

UNDERGRADUATE CATALOG

2023–2024



LINDENWOOD
UNIVERSITY



2024/2025 ACADEMIC CALENDAR

All statements in this publication are subject to change without notice.

FALL 2024		For important updates on Lindenwood University campus residential life, check-ins, FAQ's, etc., please visit Residential Life webpage .	
Term	Type	Title	Date
FA 24 & FA I 24	U & G	Academic Period Begins	Aug. 26
FA 24 & FA I 24	U & G	Last day to register for or add classes or choose audit at 5 p.m.	Aug. 30
		Labor Day holiday - No classes held	Sept. 2
FA 24	U	4-week grades due at 5 p.m.	Sept. 23
FA I 24	U	Midterm grades due at 5 p.m.	Sept. 23
FA I 24	U & G	Last day to withdraw with "W".	Sept. 29
		Fall Break - No classes held	Oct. 7 - 8
FA I 24	U & G	Academic Period Ends	Oct. 20
FA 24	U	Midterm grades due at 5 p.m.	Oct. 21
FA I 24	U & G	Final grades due at 5 p.m.	Oct. 21
FA II 24	U & G	Academic Period Begins	Oct. 21
FA , FA I, FA II 24	U & G	Spring and summer registration for active undergraduate honors, veterans, and non-traditional students (8 week and online) begins.	Oct. 25
FA , FA I, FA II 24	G	Spring and summer registration for active undergraduate students including honors, non-traditional (8 week and online), and veteran students begins.	Oct. 25
FA II 24	U & G	Last day to register for or add classes or choose audit at 5 p.m.	Oct. 25
FA , FA I, FA II 24	U	Spring and summer registration for active seniors begins.	Oct. 28
FA , FA I, FA II 24	U	Spring and summer registration for active juniors begins.	Oct. 29
FA , FA I, FA II 24	U	Spring and summer registration for active sophomores begins.	Oct. 31
FA , FA I, FA II 24	U	Spring and summer registration for active freshmen begins.	Nov. 1

FA 24	U & G	Last day to withdraw with "W".	Nov. 3
FA, FA I, FA II 24	U & G	Spring and summer registration for new incoming students begins.	Nov. 8
FA II 24	U	Midterm grades due at 5 p.m.	Nov. 18
FA II 24	U & G	Last day to withdraw with "W".	Nov. 24
FA 24 & FA II 24	U & G	Thanksgiving holiday	Nov. 27 - 29
FA 24	U & G	Final Exams	Dec. 9 - 13
FA 24		Deadline for making up Incomplete grades from previous term at 5 p.m.	Dec. 13
FA 24 & FA II 24	U & G	Academic Period Ends	Dec. 13
FA 24 & FA II 24	U & G	Final grades due at 5 p.m.	Dec. 16
		Winter Break - Campus Closed	Dec. 23 - Jan. 1

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SPRING 2025		For important updates on Lindenwood University campus residential life, check-ins, FAQ's, etc., please visit Residential Life webpage.	
Term	Type	Title	Date
SP 25 & SP I 25	U & G	Academic Period Begins	Jan. 13
SP 25 & SP I 25	U & G	Last day to register for or add classes or choose audit at 5 p.m.	Jan. 17
		Martin Luther King Day - No classes held	Jan. 20
SP 25	U	4-week grades due at 5 p.m.	Feb. 10
SP I 25	U	Midterm grades due at 5 p.m.	Feb. 10
SP I 25	U & G	Last day to withdraw with "W".	Feb. 16
		Celebration of Teaching Day - No classes held	TBD
SP I 25	U & G	Academic Period Ends	Mar. 9
SP 25	U	Midterm grades due at 5 p.m.	Mar. 10
SP I 25	U & G	Final grades due at 5 p.m.	Mar. 10
		Spring Break	Mar. 10 - 14
SP II 25	U & G	Academic Period Begins	Mar. 17
SP, SP I, SP II 25	U & G	Fall registration for active undergraduate honors, veterans, and nontraditional students (8 week and online) begins	Mar. 21
SP, SP I, SP II 25	G	Fall registration for active graduate students (on-ground and online) begins	Mar. 21
SP II 25	U & G	Last day to register for or add classes or choose audit at 5 p.m.	Mar. 21
SP 25	U & G	Last day to withdraw with "W"	Mar. 23
SP, SP I, SP II 25	U	Fall registration for active seniors begins.	Mar. 24
SP, SP I, SP II 25	U	Fall registration for active juniors begins.	Mar. 25
SP, SP I, SP II 25	U	Fall registration for active sophomores begins.	Mar. 27
SP, SP I, SP II 25	U	Fall registration for active freshmen begins.	Mar. 28
SP, SP I, SP II 25	U & G	Fall registration for new incoming students begins.	Apr. 4
		Honors Convocation	Apr. 6
SP II 25	U & G	Midterm grades due at 5 p.m.	Apr. 14
		Good Friday - No classes held	Apr. 18

SP II 25	U & G	Last day to withdraw with "W".	Apr. 20
SP 25	U & G	Final Exams	May 5 - 9
SP 25	U & G	Deadline for making up Incomplete grades from previous term at 5 p.m.	May 9
SP 25 & SP II 25	U & G	Academic Period Ends	May 9
	U & G	Commencement Ceremonies - See website for commencement information.	TBD
SP 25 & SP II 25	U & G	Final grades due at 5 p.m.	May 12

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Summer 2025		For important updates on Lindenwood University campus residential life, check-ins, FAQ's, etc., please visit Residential Life webpage .	
Holiday		Memorial Day - Campus Closed	May 26
Holiday		Juneteenth - Campus Closed	June 19
Holiday		Independence Day - Campus Closed	July 4
Term	Type	Title	Date
SU 4-Week I 25	U & G	Academic Period Begins	May 19
		Last day to register for or add classes or choose audit at 5 p.m.	May 23
		Last day to withdraw with "W".	June 4
		Academic Period Ends	June 15
		Final grades due at 5 p.m.	June 16
SU 4-Week II 25	U & G	Academic Period Begins	June 16
		Last day to register for or add classes or choose audit at 5 p.m.	June 20
		Last day to withdraw with "W".	July 2
		Academic Period Ends	July 13
		Final grades due at 5 p.m.	July 14
SU 4-Week III 25	U & G	Academic Period Begins	July 14
		Last day to register for or add classes or choose audit at 5 p.m.	July 18
		Last day to withdraw with "W".	July 30

		Academic Period Ends	Aug. 10
		Final grades due at 5 p.m.	Aug. 11
SU 6-Week I 25	U & G	Academic Period Begins	May 19
		Last day to register for or add classes or choose audit at 5 p.m.	May 23
		Last day to withdraw with "W".	June 12
		Academic Period Ends	June 29
		Final grades due at 5 p.m.	June 30
SU 6-Week II 25	U & G	Academic Period Begins	June 30
		Last day to register for or add classes or choose audit at 5 p.m.	July 4
		Last day to withdraw with "W".	July 24
		Academic Period Ends	August 10
		Final grades due at 5 p.m.	August 11
SU 8-Week I 25	U & G	Academic Period Begins	May 19
		Last day to register for or add classes or choose audit at 5 p.m.	May 23
		Last day to withdraw with "W".	June 22
		Academic Period Ends	July 13
		Final grades due at 5 p.m.	July 14
SU 10-Week I 25	U & G	Academic Period Begins	June 2
		Last day to register for or add classes or choose audit at	June 6
		Last day to withdraw with "W".	July 13
		Academic Period Ends	August 10
		Final grades due at 5 p.m.	August 11
SU 12-Week I 25	U & G	Academic Period Begins	May 19
		Last day to register for or add classes or choose audit at 5 p.m.	May 23
		Last day to withdraw with "W".	July 7
		Deadline for making up Incomplete grades from previous term at 5 p.m.	Aug. 8
		Academic Period Ends	August 10
		Final grades due at 5 p.m.	August 11

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INTRODUCTION

This catalog contains a description of the Lindenwood University undergraduate programs. A separate catalog is devoted to the descriptions and requirements of graduate programs. This catalog outlines policies and procedures for undergraduate students, explains each academic program and its specific requirements, and describes in alphabetical order each undergraduate course offered. All statements in this publication concerning policies, program requirements, fees, and other matters are subject to change without notice. The statements in this catalog are for informational purposes only and should not be viewed as the basis of a contract between a student and the university.

Lindenwood University strives to make higher education accessible to both traditional and nontraditional students and serves both full- and part-time students. The university offers a variety of programs leading to baccalaureate, master's, specialist, and doctoral degrees.

Lindenwood University reserves the right to make changes at any time without prior notice. Therefore, the electronic version of the *catalog* may change from time to time without notice. The governing document at any given time is the then-current version of the *catalog*, as published online, and then-currently applicable policies and information are those contained in that *catalog*.

Program Formats

Undergraduate academic programs are offered on a 16-week schedule with embedded 8-week terms (Fall/Spring) with the exception of the Summer term schedule, which is offered in 4, 6, 8, or 12-week format depending on the program.

Lindenwood University offers undergraduate academic programs leading to a Bachelor of Arts (BA), Bachelor of Applied Science (BAS), Bachelor of Fine Arts (BFA), Bachelor of Music (BM), Bachelor of Science (BS), and Bachelor of Social Work (BSW). In all colleges, individualized degrees may be developed on a contract basis for interdisciplinary studies or specialties.

History

Lindenwood University was founded in 1832 by pioneering educators Mary Easton Sibley and George Sibley. The Sibleys sought to establish an institution that educated students across disciplinary fields, provided a solid core curriculum, and promoted the desire to serve the community. The Sibleys envisioned a college that would educate the “whole person” by encouraging students to pursue the liberal arts as well as focused studies. Their vision survives to this day.

Mission Statement

Mission

Real Experience. Real Success.

Enhancing lives through quality education and professional preparatory experiences.

Vision

The Next Great Learner-Centric University

Lindenwood University, a nationally recognized institution of higher learning, delivers comprehensive student-centric learning and community engagement through innovative, relevant, and forward-thinking academic and experiential programs.

Our Core Values

At Lindenwood, our purpose is to support our students in reaching their educational and professional goals, achieving our mission of providing real experiences that lead to real success.

- **We put our students first.** We have an unwavering commitment to providing the highest quality education, service, and experience by connecting with our students at every interaction in their educational journey and beyond.
- **We thrive together.** As team members, we foster a community founded on collaboration, authenticity, support, and understanding.
- **We do what is right.** We work hard and hold ourselves accountable for our decisions, actions, and words.
- **We have grit.** We relentlessly pursue innovation, adaptability, and continuous learning, even in the presence of challenges.

Institutional Learning Outcomes

Lindenwood University is committed to preparing its graduates for a world of increasing complexity, innovation, and change. Institutional Learning Outcomes articulate the learning priorities for Lindenwood students, and as such they help to shape the curriculum and co-curricular experiences. Lindenwood University uses a set of seven Lindenwood Graduate Attributes as its institutional level outcomes for student learning. More information about Lindenwood Graduate Attributes can be found here. www.lindenwood.edu/about/graduate-attributes.

Accreditation

Lindenwood University is a member of and/or accredited by the following organizations:

The Higher Learning Commission
230 South LaSalle St., Suite 7-500
Chicago, IL 60604-1411
phone: (800) 621-7440/ (312) 263-0456
fax: (312) 263-7462
info@hlcommission.org

The Accreditation Council for Business Schools and Programs
11520 West 119th St.
Overland Park, KS 66213
phone: (913) 339-9356
fax: (913) 339-6226
www.acbsp.org

Commission on Accreditation of Allied Health Education Programs
phone: (727) 210-2350
www.caahep.org

The Commission on Accreditation of Athletic Training Education
2001 K. St. NW, 3rd Floor North
Washington, DC 20006
phone: (512) 733-9700
www.caate.net

Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions
phone: (214) 703-8445
www.coaemsp.org

Council for the Accreditation of Educator Preparation
1140 19th St NW, Suite 400
Washington, DC 20036
(202) 223-0077
www.caepnet.org

The Council for Higher Education Accreditation
One Dupont Circle NW, Suite 510
Washington, DC 20036
phone: (202) 955-6126
fax: (202) 955-6129
chea@chea.org

The Council on Social Work Education
1701 Duke St., Suite 200
Alexandria, VA 22314-3457
phone: (703) 683-8080
fax: (703) 683-8099
info@cswe.org

The Missouri Department of Elementary and Secondary Education

PO Box 480
Jefferson City, MO 65102
phone: (573) 751-4212
fax: (573) 751-8613
www.dese.mo.gov

Lindenwood is fully endorsed by the following organization:
The Society for Human Resource Management
1800 Duke St.
Alexandria, VA 22314
phone: (800) 283-7476
www.shrm.org

Out of State Licensure and Certification -Student Right to Know

www.lindenwood.edu/about/consumer-information/state-authorization-for-distance-learning/

Proficient Graduates

Success

Lindenwood University has an excellent placement rate for its graduates because it educates the whole person. A degree from Lindenwood means that its holder is adept at reading, writing, speaking, and problem-solving—all the traits by which society judges a person's education level and general competence.

Liberal Arts Education

The university's General Education (GE) program assures that every Lindenwood graduate has been exposed to the essential knowledge amassed by humankind across the ages and has acquired the basic thinking and communication skills needed for both adapting to and shaping the world. Lindenwood's broad-based curriculum in the arts and sciences produces free men and women—enlightened, self-determining, productive citizens of a democracy.

Commitments

Assessment

The faculty, administration, and staff of Lindenwood University are dedicated to sustaining excellent educational programs and learning environments. Therefore, we are also committed to mission-based, comprehensive, and data-driven assessment for the purpose of continuous institutional improvement and effectiveness.

Given the above commitment, the Culture of Continuous Improvement statement below serves as a compass in guiding our assessment and continuous improvement efforts. The statement describes the type of institutional culture that is needed to live out that commitment.

A Culture of Continuous Improvement: Defining Characteristics

1. The institution publicly affirms its commitment to effectiveness and continuous improvement and, in so doing, recognizes the need for accountability to its stakeholders.
2. The institution values effectiveness and continuous improvement in all facets and levels of its operations (e.g., individual professional development, classroom teaching and learning, program review, measurement of graduate success, student and employee satisfaction, governance).
3. Comprehensive and integrative assessment is conducted for the purpose of continuous improvement.
4. The leadership of the institution understands, values, and provides strong support for efforts related to assessment and continuous improvement.
5. Assessment *for* learning and *of* learning are valued, supported, and recognized.
6. Efforts to improve teaching are valued, supported, and recognized.
7. All aspects of the assessment process are conducted with a spirit of collaboration among colleagues within all programs and departments. There is collective investment in the commitment to effective teaching and learning and to overall institutional effectiveness.
8. Both faculty and staff value inquiry and the important role of evidence in the decision-making processes associated with continuous improvement. Multiple forms of direct and indirect evidence are used to make decisions annually.
9. Assessment processes and results are integrated within the institution's planning and budgeting processes – the institution commits the necessary resources to support its assessment program, and assessment results inform both planning and budgeting.
10. The institution understands the critical importance of sustainable and transparent assessment practices, including documenting and sharing intended outcomes and objectives, appropriate methods of assessment, the results of assessment, and initiatives to “close the loop” wherein the results are used for continuous improvement.

Notice of Non-discrimination

Lindenwood University does not discriminate on the basis of race, color, national origin, age, sex, sexual orientation, gender identity, gender expression, pregnancy, religion, disability, veteran status, genetic information or other status protected under applicable law. This policy extends to its admissions, employment, activities, treatment, educational programs, and services. Lindenwood

University is committed to a policy of non-discrimination. Any kind of discrimination, harassment, intimidation, or retaliation based upon a person's protected status is unacceptable. For the purpose of this policy, discrimination, harassment, intimidation, or retaliation may be defined as any attempt on the part of individuals, groups, or recognized campus organizations to deny an individual or group those rights, freedoms, or opportunities available to all members of the Lindenwood University community.

The following persons have been designated to handle inquiries regarding Lindenwood University's non-discrimination policies:

Dr. Heather Black
Assistant Vice President, Student Affairs
hblack@lindenwood.edu
(636) 255-2275
209 S. Kingshighway
Evans Commons 3040
St. Charles, MO 63301

Dr. Deb Ayres
Senior Vice President, Human Resources
dayres@lindenwood.edu
(636) 949-4405
209 S. Kingshighway
Stumberg Hall 9
St. Charles, MO 63301

The following persons have been designated to handle inquiries regarding Lindenwood University's disability services.

Mrs. Janet Owens
Manager, Student Support and Accessibility Program
jowens1@lindenwood.edu
(636) 949-4768
209 S. Kingshighway
Library and Academic Resources Center 355
St. Charles, MO 63301

Any person may also direct inquiries to the U.S. Department of Education's Office for Civil Rights. Lindenwood University is an equal opportunity employer.

Lindenwood University complies with the Civil Rights Act of 1964, as amended; the Equal Pay Act of 1963; the Age Discrimination in Employment Act of 1967; the Americans with Disabilities Act of 1990; Drug Free Schools and Communities Act of 1989 (Public Law 101-226) as amended; the Drug-Free Workplace Act of 1988 (Public Law 101-690); the Student Right-to-Know and Campus Security Acts of 1990 (final regulations published 1995, as revised 1999); and the Campus Securities Disclosures Section 485 of the Higher Education Amendments of 1992 (final regulations published 1994, with technical corrections published 1995, as revised 1999); the Equity in Athletics Disclosure Act (the Higher Education Amendments of 1992, as revised in the Amendments of

1998); and the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment), as amended, including Section 507 of the Patriot Act of 2001 and seeks to provide a healthy, safe, and secure environment for students and employees.

Diversity, Equity, and Inclusion

Lindenwood University is proud of its diverse population of faculty, staff, and students from all corners of the world. We intentionally design our policies in such a manner that all stakeholders (whether students, employees, or visitors) will be treated respectfully, fairly, equitably, and with dignity and inclusiveness in the pursuit and achievement of the objectives of their relationship with the university.

Additionally, we strive to ensure the opportunities afforded by the university for learning, personal advancement, and employment are offered to all without discrimination, and that we always provide a safe, supportive, and welcoming environment for all students, employees, and visitors. Upholding a culture of *diversity, equity, and inclusion* means that people of different cultures, races, colors, genders, ages, religions, orientations, affiliations, sexual orientations, socio-economic backgrounds, disabilities, or countries of origin shall not be mistreated or discriminated against on the basis of their differences. Therefore, all Lindenwood policies, facilities, resources, activities, and privileges, irrespective of individual differences, are made available and accessible to everyone in our campus community.

At Lindenwood University, we will strive to

- Offer collaborative and integrated academic, co-curricular and sporting programs that provide mutually beneficial experiences to our diverse body of students.
- Pursue and promote mutual understanding, respect, and cooperation among our students, teaching and non-teaching staff, contractors, suppliers, and visitors to our community who represent the aforementioned differences.
- Encourage and promote the empowerment and advancement of minority groups within our community through academic and social activities, offering activities of special interest to them, and affording them equal-opportunity integration within our community.
- Respect the knowledge, skills, and experiences that every person in our community brings to the university.
- Design and operate flexible and easily accessible services, facilities, and activities whose procedures appropriately recognize the needs of everyone in our community.
- Make every effort to ensure that our current and future contractual agreements and obligations fully reflect and embrace our commitment to the philosophy and culture

of *diversity, equity, and inclusion* as delineated in this statement.

- Encourage all faculty and staff members to promote *diversity, equity, and inclusion* throughout our community.
- Protect every member of our community against all forms of discrimination.

Lindenwood University System

Lindenwood University

Lindenwood's St. Charles, Mo., campus, located at 209 S. Kingshighway in the heart of St. Charles, is the original campus founded by George and Mary Sibley in 1832. Historic buildings grace the tree-lined walks and house classrooms, administrative offices, and student residences.

Campus Life

Athletics

Intercollegiate, intramural, and recreational sports are an important part of the Lindenwood extracurricular life. Intramural and recreational sports offer exercise and healthy competition to all students in the community, while intercollegiate athletics provide competitive opportunities within national organizations.

Intramural sports such as dodgeball, softball, volleyball (indoor and outdoor), soccer (indoor and outdoor), basketball, flag football, and more are available for all students to participate in. Students can sign up for any intramural sport or event via the LindenRec app or at www.imleagues.com.

Lindenwood University is currently reclassifying from NCAA Division II to D-I. The University sponsors baseball, men's and women's basketball, men's and women's cross country, football, men's and women's golf, men's and women's ice hockey, women's indoor and outdoor track and field, women's lacrosse, men's and women's soccer, softball, women's tennis, men's and women's volleyball, women's beach volleyball, and women's wrestling in D-I.

Intercollegiate athletics programs not associated with the NCAA compete under the Student Life Sports (SLS) umbrella. These programs include men's and women's archery, men's and women's bowling, cheerleading (competitive and sideline), dance (Lion Line, Lionettes, and Golden Line), men's and women's ice hockey, roller hockey, men's and women's rugby, shotgun sports (American and International Trap and Skeet, and Sporting Clays), and weightlifting (Olympic).

Lindenwood Student Government

All undergraduate and graduate students are encouraged to participate in Lindenwood Student Government.

Lindenwood Student Government works to provide a structure for student expression and self-governance. Members of student government play a strong role in the academic and administrative decision-making process of the university through representation in various planning committees. For more information about Lindenwood Student Government, visit the office, located in Evans Commons Room 3040, or call (636) 949-4983. Students may access the Lindenwood Student Government website by visiting the Student Life page of the Lindenwood website at www.lindenwood.edu/student-life. Students can email questions to lsgpresident@lindenwood.edu.

Student Organizations

Students may complement their academic experiences by becoming involved with some of the 60-plus student clubs and organizations on campus geared toward academic interests, special interest groups, fraternities and sororities, honor societies, departmental clubs, religious organizations, and recreational clubs. For more information on student organizations, including joining or creating an organization, access InvolveU under "Portals" on the Lindenwood website, stop by the Student Involvement Office in Evans Commons Room 3040 or visit the Student Life page of the Lindenwood website at www.lindenwood.edu/student-life.

Leadership Development

All undergraduate and graduate students are provided with educational and engaging opportunities to explore, strengthen, and elevate their leadership skills. Opportunities such as Leadership Series, Networking Hours with Lindenwood Student Government, and Elevate Leadership Certification are available through Student Involvement. For more information, visit the office, located in Evans Commons Room 3040, or call (636) 949-4983.

LUTV All-Digital Television Channel

Qualified students may conduct practicums in the context of St. Charles County's only higher education television venue. The purpose of the station is to offer learning opportunities for Lindenwood's broadcast students, who operate the station under the supervision of the College of Arts and Humanities faculty. The channel offers original programming designed to provide educational experiences and cultural enrichment. LUTV is available on Charter Cable and online through the Lindenwood website.

Radio KCLC FM 89.1 (HD-1 and HD-2)

Students may also participate in the operation of the Lindenwood all-digital radio station, KCLC-FM (HD-1), through the College of Arts and Humanities. A 50,000-watt stereo facility, KCLC is the principal local radio

station in St. Charles County and plays a major role in community affairs, providing entertainment programming, local news gathering, and sports broadcasting. KCLC-FM (HD- 2) is the secondary digital signal, which provides another format for the community and additional student opportunities. Both stations are available on the Internet.

Student Resources

Library and Academic Resources Center

This new state-of-the-art, 100,000-square-foot building offers a wealth of amenities. In addition to a variety of academic support services, the new space offers students community spaces, a multimedia lab, gaming spaces with access to multiple gaming platforms, a theater, group study rooms, classroom spaces, a vastly expanded archives, Help Desk staff, a Starbucks location, quiet study spaces, and tutoring, all supported by Wi-Fi throughout.

In addition to the services mentioned above, over 23 million book titles are available through the library in conjunction with its membership in Missouri's statewide academic library consortium, MOBIUS. MOBIUS gives enrolled students physical and electronic access to public and academic library collections in Missouri, as well as access to the collections of the Colorado Alliance of Research Libraries (CARL). In order to take advantage of these resources, students must obtain a valid Lindenwood student ID.

The library subscribes to more than 90 online databases that are accessible through the library's website. A number of the databases provide full-text access to research materials. In addition to the databases, the library has purchased supplementary electronic tools that easily facilitate navigation of these online resources. A valid student ID is also required to access the library's databases.

Additional services available through the Library and Academic Resources Center include

- Access to reference librarians in person, via email, by telephone, or chat.
- Computer lab.
- Laptop checkout for the day.
- Hardcopy journal collections.
- An interlibrary loan service for any items not available at the Library and Academic Resources Center or through MOBIUS.

For current hours, students may contact the library at library@lindenwood.edu, by visiting www.lindenwood.edu/library, or calling (636) 949-4820.

The Writing Center

The Lindenwood University Writing Center, located in Suite 221 of the Library and Academic Resources Center, offers tutorial assistance to students, staff, and faculty working on writing pieces. Students are highly encouraged to make appointments on the Writing Center website. By scheduling an appointment through the Writing Center website, students can meet with tutors who are prepared to help students from all disciplines create and revise pieces of writing. In-person, virtual, and emailed feedback options are offered. Common issues tutors address include organization, sentence clarity, development, grammar, and usage.

The Math Success Center

The Math Success Center, located in LARC 121, is a haven for students seeking to conquer their mathematical challenges. Whether unraveling complex equations or mastering fundamental concepts, our skilled Math Tutors are dedicated to aiding students on their mathematical journey.

Tutoring Services

Peer tutoring from many academic areas is available to help students who need help understanding course material. Peer tutors are student workers available the appropriate academic buildings. An available tutor list identified by topic and location can be found at www.lindenwood.edu/tutor. Students may also contact SASS at sass@lindenwood.edu or call (636) 949-4699 with additional tutoring services questions. Students are also encouraged to ask their classroom professors about possible tutoring assistance.

Lindenwood also offers online tutoring from www.tutor.com which is available to any Lindenwood student. Online tutors are available in a variety of subjects to work with students 24 hours a day, depending upon the subject area. Completed drafts of writing assignments may also be submitted to www.tutor.com for detailed, personalized feedback. Students may access online tutoring through Canvas.

Student Academic Support Services (SASS) and Student Ombudsperson

Students who experience problems of any type are encouraged to visit the Office of Student Academic Support Services (SASS). SASS assists students in the resolution of obstacles that impede academic progress. SASS staff can assist with inter-office facilitation, institutional guidance, academic mentoring, and dispute resolution. Associate Vice President of Advising and Retention Experience also works as a liaison between students and other university offices and serves as the official university-student ombudsperson. SASS is located in the Library and Academic Resources Center,

Suite 346, and can be contacted at sass@lindenwood.edu or (636) 949-4699.

Wellness Center

The Wellness Center provides integrated health services guided by the Substance Abuse and Mental Health Administration. www.samhsa.gov.

The Wellness Center, Student Counseling and Resource Center, and the Chaplain's Office are housed in Evans Commons on the third floor. In the Wellness Center, BJC Student Health Center serves on-campus students and full-time undergraduate students for a variety of medical conditions, from illnesses and injuries to physical examinations, well woman examinations, STD testing/HIV testing, birth control counseling, minor procedures, anxiety and depression consultations and immunizations. The clinic has an on-site nurse practitioner to confidentially assist students with their healthcare needs. Walk-ins are welcome, but students with appointments take first priority.

The mission of The Student Counseling and Resource Center at Lindenwood University is dedicated to helping students at Lindenwood University achieve the kinds of academic success, personal growth, and balance that lead to rich, full, and healthy lives. We approach wellness, mental, physical, and spiritual health through a multidisciplinary approach of social justice, equity, diversity, and inclusion for all students. The vision of the SCRC is to promote better health outcomes and raise awareness for promoting the 8 dimensions of wellness, the mission of the SCRC, and the mission of Lindenwood University. The SCRC is housed in Evans Commons on the third floor. Practicum and intern students also assist in meeting the demands of the SCRC. The SCRC offers confidential counseling and referrals for resources on and off campus that assist students in meeting SAMHSA's eight dimensions of wellness. The SCRC offers group counseling on various topics. Additionally, the SCRC partners with multiple campus organizations, offices, faculty, and staff for referrals and collaboration of workshops to educate students, faculty, and staff about wellness. Appointments for the SCRC can be made directly at (636) 949-4522.

The job of Lindenwood University's Chaplain is to respond to the needs of our community, to those of various faith traditions or no tradition, who are asking the "big questions," and to help them find answers. The Chaplain works with the Wellness Center to assist students in meeting their spiritual needs. Lindenwood University provides an ecumenical environment that welcomes and supports all religious traditions. Students may access our Sacred Space, for daily prayers and meditation, located in Evans Commons, Room 3110. Sibley Chapel hosts regular non-denominational Christian religious services. The University Chaplain, Rev. Dr. Nichole Torbitzky, is available to meet with anyone for counsel, spiritual

direction, or pastoral care. The Chaplain's Office is located in McCluer Hall, Room 202. Appointments can be made through (636) 949-4651.

Campus Accessibility for Students with Disabilities

The guiding philosophy of Lindenwood University is to make programs and facilities as accessible as possible to students with disabilities. The manager for student support and accessibility acts to ensure the accessibility of programs and assists and supports students with disabilities. Students who need assistance or accommodations for certified disabilities should contact the student support and accessibility manager at (636) 949-4768.

Students are encouraged to serve as their own advocates and to be responsible for obtaining special services offered by the university. If the manager is unable to satisfy a reasonable request, that request may then be directed to the office of the director of student support services, located in the Library and Academic Resources Center, suite 346.

Office 365

Important messages including information about academic standing and financial aid are sent via the university's internal email system. Students will be held accountable for any information or due dates sent via the campus email system. Office 365 accounts are provided for all students and may be accessed from the Lindenwood homepage.

On-Campus Printing

Students are entitled to print an allotted number of pages per term at no cost from any on-campus computer. Resident students may print up to 500 pages per term; commuter students may print up to 300 pages per term. Once the total number of allotted pages has been reached, students may opt to purchase additional printing capabilities through the student portal for \$3 per 100 pages.

University Policies

Abuse of Student Portals

Any student, who gains unauthorized entrance to another student's portal, makes changes to another student's schedule via the student portal, or otherwise tampers with or compromises private or privileged communications will be expelled from Lindenwood University. Additionally, such actions will be brought to the attention of law enforcement officials and may be prosecuted through the legal system.

Cancellations Due to Inclement Weather

Only the president (or, in the president's absence, the provost or associate provost) has the authority to cancel

classes in the event of severe weather. Should weather create potentially hazardous conditions, Lindenwood University will evaluate the situation and take into consideration the safety of faculty, staff, and students as well as the services that must be provided despite the inclement weather. After this careful evaluation and depending on the hazardous weather conditions (e.g., tornado, snow/ice, etc.), an alert will be sent to students, faculty, and staff via a Rave system text message and email message, as necessary. This alert will detail the appropriate action required of faculty, staff, and students and will specify the essential services that must be provided despite the inclement weather. Instructors are expected to schedule a make-up class meeting when evening classes are cancelled due to inclement weather.

In the unlikely event that the normal work and/or class schedule are to be altered, an announcement will be posted on the university's website (www.lindenwood.edu). An announcement will also be distributed via email and the Rave system. Separate announcements may be made regarding evening classes (those classes starting at or after 4 p.m.).

The university strives to maintain its teaching, research, and service activities in accordance with established schedules and operational demands. To this end, suspension or cancellation of classes due to inclement weather will be avoided whenever possible. Because certain essential functions of the university must be provided at all times, campus operations will not be suspended in the event of severe weather even though classes may be cancelled.

Campus Tobacco Use

Tobacco use is prohibited on campus and in all campus buildings. Tobacco includes, but is not limited to, cigarettes, cigars, pipes, water pipes (hookah), electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and any non-FDA approved nicotine delivery device.

Filing a Grievance

The university has specific grievance procedures related to grade appeals, financial aid and other academic or financial policies specifically outlined in this academic catalog. If a student has a grievance that falls outside of the established policies, students may submit a formal complaint to the student ombudsperson at complaints@lindenwood.edu. More information about the current complaint procedures can be found at www.lindenwood.edu/about/consumer-information/student-right-to-know/student-complaint-procedure/.

Lindenwood University shares information from students' formal written complaints with the Higher Learning Commission as part of its normal accrediting process. This information is shared in such a manner as to shield the individual identities of all complainants. No letters or

documents revealing the identities of individual complaints will be shared without the express written permission of the complainants.

Firearms Policy

No person is permitted to carry firearms or other weapons, either concealed or visible, on Lindenwood property or to any Lindenwood class. The only exception to this policy applies to duly sworn, on-duty law enforcement officers. Off-duty police officers may carry concealed weapons to their Lindenwood classes only if authorized to do so by their employer and the states of Missouri or Illinois.

Recording and Electronic Devices

During classroom instruction and testing, the use of cameras, video, audio taping devices, or any other kinds of electronic devices (including telephones, Google glasses, and Bluetooth devices) is allowed only after obtaining written permission from the instructor; otherwise, the use of such devices is prohibited.

Electronic devices used for prosthetic or accessibility purposes may be used only after the faculty member has received a signed accommodation letter from the accessibility officer. Any recordings made during class may not be redistributed to anyone not a member of the class without the express written permission of the instructor and all student subjects of the recording.

Recorded video sessions of a class may be used within that class as long as the videos are password protected. Recordings that involve students cannot be used in future classes. Video sessions of lectures recorded outside of the classroom by the instructor that do not involve students may be used by the instructor in future classes. Students may download electronic course materials for personal use only.

Photo Usage

As a student at Lindenwood University, you may be photographed on campus or at campus events, and those photographs may be used on Lindenwood's website, social media sites, and in promotional materials for the university.

ADMISSION, APPLICATION, AND FEES AND FINANCIAL ASSISTANCE

Undergraduate Admissions

Admission Standards

The university expects applicants to have sound academic preparation for college. Each applicant's academic record is carefully examined to determine whether the student has the potential to succeed at Lindenwood.

Lindenwood University consciously seeks a diverse student body and welcomes applicants from all socioeconomic, religious, and ethnic backgrounds. The university also values geographical diversity and welcomes international students.

Selection Criteria

Candidates applying to Lindenwood University are evaluated by the Office of University Admissions. Lindenwood recommends that applicants have completed at least 16 units of high school study in academic areas from an accredited institution before applying for admission. (One year in a subject is considered an academic unit.) While no single program of academic preparation is required for admission to Lindenwood, a university preparatory curriculum is preferred; a student's high school records should reflect four years of study in English and English literature and at least three years of study in natural science, mathematics, and social studies. The university also recommends two years of study in a foreign language as well as some study in the areas of fine and performing arts.

Applicants who are offered admission to Lindenwood University are admitted with the provision that all high school graduation requirements will be completed prior to attending the university. A final high school transcript must be submitted to the Lindenwood Office of University Admissions after the applicant's high school graduation and must include the applicant's date of graduation. Transfer students must also submit all official transcripts as a provision of acceptance.

Application

U.S. Citizen and Permanent Resident Application

To be considered for admission to the university, an applicant's file must include each of the following documents:

- Online application.
- Official transcripts indicating graduation from the last high school attended or from a home school program. A GED certificate may be provided in lieu of the high

school transcript. Candidates who do not have a high school diploma or its recognized equivalent and who meet the requirements outlined by the U.S. Department of Education may submit, in lieu of such documents, a passing score on the Ability to Benefit (COMPASS) exam. Students interested in taking the exam should discuss this possibility with an admissions representative.

- Official college transcript(s) from all institutions attended.
- Lindenwood University is a test-optional university. At time of application, students may decide whether they wish for test scores (ACT or SAT) to be considered for admission. For students submitting test scores as part of their application file, Lindenwood will accept self-reported test scores. Freshman applicants can list test scores on their Common Application, and these scores will meet the requirement for admission. Freshmen who supply self-reported test scores for admissions will be required to submit official test scores prior to the start of term.
- Freshman applicants can list test scores on their Common Application, and these scores will meet the requirement for admission. The Lindenwood code for reporting purposes is 2324 for the ACT and 6367 for the SAT. Applicants who have been out of high school for five or more years, applicants with 24 or more transferable college level credits, or those given approval by the director of admission may not be required to submit scores from standardized tests, although such scores are recommended. Satisfactory standardized test scores are required for all students majoring in education.
- Transfer students applying for undergraduate semester programs with less than 24 hours of transferable college credits are also required to meet the freshman admission standards by submitting official test scores and high school transcripts.

Once the application is submitted, an admissions counselor will contact the applicant to answer any questions and assist in the admission process. The application materials may be mailed to Lindenwood University, The Office of University Admissions, 209 S. Kingshighway, Saint Charles, MO 63301 or submitted online at admissions@lindenwood.edu. Applicants can also upload their admissions documents directly to their online application using the Application Status Page. Applicants may call (636) 949-4949 with any admissions related questions. Upon review of a completed admissions file, Lindenwood University will review all applicants for acceptance. Additional documents may be requested based on application submission and criteria review.

Transfer Student Application: U.S. Citizens and Permanent Residents

Applicants seeking to transfer university credits awarded at another institution must submit all official transcripts from the college or university previously attended directly to the Lindenwood Office of University Admissions.

Note that while there is no limit on the number of credit hours that may be transferred to Lindenwood, not all credits may transfer, and some credits may transfer only as electives. Please note the following additional terms, conditions, and requirements regarding the transfer of credit to Lindenwood University:

- Lindenwood University Accepts transfer credits from institutions accredited by the following institutional accrediting agencies:
 - Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges (ACCJC)
 - Higher Learning Commission (HLC)
 - Middle States Commission on Higher Education (MSCHE)
 - New England Commission of Higher Education (NECHE)
 - Northwest Commission on Colleges and Universities (NWCCU)
 - Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
 - WASC Senior College and University Commission (WSCUC)

Credits completed at other institutions or accredited by other institutional accrediting agencies not listed above will be reviewed on a case-by-case basis upon request.

- All credit hours accepted in transfer must be from regionally accredited colleges and universities, or as approved upon further review by Academic Services on a case-by-case basis.
- In order to count toward graduation, all transferred credits must be earned at the 10000-level or above. Preparatory courses will not be accepted for transfer by the university.
- Courses taken between the 10000- and 40000-level for which a passing grade has been earned and that contain content and credit similar to that of a Lindenwood course will be transferred onto the student's transcript as equivalents of Lindenwood courses and credits. (Only credit hours will be transferred; grades earned at other colleges will be made available on the student's transcript for advising purposes but not computed into the Lindenwood University GPA.)

- Lindenwood academic departments will determine the equivalency of each transferred course relative to the department's respective degree requirements. If the content of a transferred course is unlike any course offered at Lindenwood but within the university's programmatic range of studies, elective course credit may be granted.
- If the transfer credit is unrelated to any Lindenwood program, a maximum of 12 hours of technical credit may be granted. The appropriate department will determine whether and how the evaluated transfer credit may be used to meet major and minor requirements.
- Credits accepted from another institution that correspond to 30000-level Lindenwood courses or higher will be recognized as fulfilling the university requirement that students complete 42-credit hours at or above the 30000-level. Such courses will also count toward the 120 credit hours required for graduation.
- Lindenwood will accept grades of D or better in transfer except for courses equivalent to ENGL 15000, EPP 15000, and ENGL 17000, which must be transferred with a grade of a C or better.
- A student transferring to Lindenwood University with a D in a major course or a major course prerequisite may be required to retake the course at Lindenwood University, as dictated by the policies of the department in which the student is completing a major. Decisions concerning requirements to retake courses will be left up to the department head (or college dean if the department head is unavailable) who has authority over the major. If a transferred course in which a D is earned is retaken, the transferred course credit will be removed from the transcript.
- Grades of P (pass) and other equivalent non-qualitative grades will be accepted in transfer and may count for either general education or elective credit.
- Due to the impact of the COVID-19 Pandemic, grades of P (pass) and other equivalent non-qualitative grades earned in Spring or Summer 2020 terms will be accepted in the transfer process to satisfy the prerequisite where a minimum grade of C or better is required.
- Due to the impact of the COVID-19 Pandemic, grades of P (pass) and other equivalent non-qualitative grades earned in Spring or Summer 2020 terms will be accepted in the transfer process to satisfy a major or minor course requirement.

Notes: (1) Appeals of transfer credit evaluations should be submitted in writing to the registrar.

(2) For information about transferring credit for experiential learning or proficiency exam credit, please see Earning Credits

by Examination, or Earning Credits through Experiential Learning or Professional Experience.

In addition to the terms outlined above, the following criteria must be met in order for students to qualify for graduation:

- A transfer student must successfully complete a total of 30 credit hours in residence at Lindenwood University, with the successful completion of the last 24 credits leading to a degree being taken within the Lindenwood University system.
- A transfer student must complete the greater of 18 credit hours or 40 percent of the courses required for major, minor, concentration, emphasis, certificate, or track at Lindenwood University, but a department or college may require a higher minimum number of hours to be taken at Lindenwood University in the major, minor, concentration, emphasis, certificate, or track area to earn a degree.

International Student Application

To be considered for admission to the university, all international students are required to submit the following documents:

- Online student application or Common Application.
- Official transcripts indicating graduation from the last high school attended, along with official transcripts of any college or university attended, if applicable. Transcripts from U.S. schools must be original and sent directly from the U.S. institution. Transcripts from international schools must be in their original language and accompanied by a certified English translation. For procedures to receive transfer credit see *Application for the Transfer of International Credit*. These documents will not be returned to the student. They will become part of the student's official file at Lindenwood University.
- Official TOEFL, IELTS, or Duolingo score. For score reporting, the Lindenwood University code is 6367.
 - Required minimum TOEFL score: 61 (Internet-based)
 - Required minimum IELTS score: 5.5
 - Required minimum Duolingo score: 85
- Or official ACT or SAT scores; Send the scores through www.ACT.org (2324) or www.collegeboard.org (6367).
 - Required minimum ACT score: 20
 - Required minimum SAT score: 1020

Notes: (1) Students who studied and completed at least four years of rigorous academic study in any of the following countries, may be eligible for an International Test Score waiver: Anguilla,

Antigua, Barbuda, Australia, Bahamas, Barbados, Bermuda, British Virgin Islands, Canada (with the exception of Quebec), Cayman Islands, Dominica, England, Grenada, Guyana, Ireland, Jamaica, New Zealand, Northern Ireland, Scotland, Seychelles, Shetland Islands, St. Kitts-Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, United States (with the exception of Puerto Rico), US Virgin Islands, and Wales. Students who have completed their studies in an American or British School abroad may also be eligible for a waiver if at least four years of rigorous academic study has been completed AND if their scores meet or are above the required standard. If not eligible for the waiver, student must supply at least on standardized test score to be considered for undergraduate admission.

- Passport (clear, readable copy of the identification page).
- Affidavit of Support form: This form is to verify the information of your sponsor along with their contact information. This form also states if you are bringing dependents (spouse or children) with you while you are attending Lindenwood. This form needs to be accompanied with proof of financials. This form is for legal purposes for Lindenwood only. The form can be accessed here: Affidavit of Support | Office of Admissions and Services for International Students (lindenwood.edu)
- Proof of available finances,
 - Certified Bank Statement or Letter
 - Bank statement or letter verifying the total, available, liquid funds (Savings, Checking, Fixed Deposit, or Educational Savings Plan/Loan accounts)
 - Be in US dollars or clearly state monetary unit
 - Be in English (or accompanied by a certified English translation)
 - Be from within the last 6 months
 - Be certified by a bank official (needs to be stamped or signed by the bank or bank official).

*Notes: (1) The minimum TOEFL, IELTS, Duolingo, ACT, and SAT scores listed above are requirements for admission to the university. Upon arrival, students will also undergo on-site English language testing to determine English language proficiency. Depending upon results of the testing will determine your course placement. (2) For information regarding the transfer of credit for particular coursework, go to *Academic Procedures Transferring Credit* (p. 41).*

The student application or Common Application should be completed online and all required application materials should be scanned in PDF format and uploaded to the application, if that is not possible, please email the documents to internationaladmissions@lindenwood.edu.

Application for the Transfer of International Credit

If an international candidate wishes to transfer credit to Lindenwood from an international institution, the applicant must apply for a course-by-course evaluation one of the following credential evaluation companies.

- ECE (Educational Credential Evaluators): Official transcripts from college or university, if the degree was received from an international institution the transcripts and proof of the undergraduate diploma or degree confirmation must be submitted in the student's native language along with an unofficial English translation. For more information about transcript evaluation, contact ECE at www.ece.org.
- WES (World Education Services): Official transcripts from college or university, if the degree was received from an international institution the transcripts and proof of the undergraduate diploma or degree confirmation must be submitted in the student's native language along with certified English translation. For more information about transcript evaluation, contact WES at www.wes.org.

No application for the transfer of international credit will be complete until the evaluation is provided. Applicants should list Lindenwood University as the recipient of the evaluation. ECE and WES will also provide a copy of the evaluation directly to the applicant. Applicants should keep a copy of the evaluation for their records.

Notes: (1) Students must request a course-by-course evaluation (not a document-by-document evaluation) in order to transfer credit to Lindenwood for particular coursework. (2) The cost for the evaluation of international transcripts will be incurred by the applicant.

Transfer Student Application: International Students Transferring from Other U.S. Programs

In addition to submitting the materials required for admission, international students wishing to transfer to Lindenwood from a SEVIS-sponsored school should also submit the following documents:

- Official transcripts from the college or university previously attended, sent directly to Lindenwood University.
- The SEVIS transfer process will be emailed directly to the student. Please follow the instructions listed in the email.

Note: The terms, conditions, and requirements regarding the transfer of credits to Lindenwood University for international students correspond with the criteria listed in Transfer Student Application: U.S. Citizens and Residents.

International students must arrive on the designated date prior to the start of classes each semester to move into housing. Upon arrival, international students will be required to attend a mandatory orientation session to the

university and an introduction to academic programs and requirements.

Health Insurance for International Students

Students are required to be insured while studying in the United States. Lindenwood University provides insurance through Wellfleet Insurance Company. Students can find information regarding the Student Health Insurance plan through the website. Students are automatically enrolled in the health insurance program and will be required to pay the annual premium for the health insurance.

Health Requirements for Incoming Students

In accordance with the Missouri Senate Bill 197, all applicants and students who took a term off and are now returning (except students born before 1957 and any student who is enrolled in an online degree program) must provide proof of the following immunizations prior to enrolling in the subsequent term:

- Meningococcal Vaccination or waiver
- Tuberculosis (TB) Screening Questionnaire

Financial Assistance

Financial aid is available to all qualified students. Financial need may be met through a combination of state, federal, and institutional aid. Federal grants are outlined elsewhere in this catalog. Institutional awards and grants are offered in the areas of academics, leadership, athletics, and the fine arts.

The financial aid program assists students with financial need who would otherwise be unable to receive an education. The primary responsibility for paying the student's education expenses rests with the student and the student's family, and the university expects both the student and parent(s) to make a realistic contribution to meet these costs; financial aid is a supplement for those students and families who cannot afford the entire cost of a university education.

Financial aid is provided in the form of an award, grant, or loan and/or work funds that will help meet this need. Upon completion of all documentation necessary to establish eligibility, financial assistance will be posted to student's accounts at least once each term.

To be considered for financial assistance, a student must complete the FAFSA online at www.studentaid.gov/h/apply-for-aid/fafsa. The Lindenwood school code is 002480. Lindenwood University does not require students to fill out any supplementary fee-based forms to determine eligibility for institutional financial aid.

All students wishing to receive Title IV aid must complete the FAFSA, and must complete any required verification.

Institutional Aid

The mission of the Lindenwood University Grant System is to make it possible for the student to earn a college degree when that aspiration would otherwise be financially prohibitive for the student. The intent is for Lindenwood and the student to share equitably in covering the cost of the student's college education.

A variety of scholarships and grants are awarded to students who have excelled in fields of study, community activities, the arts, or athletic competitions. Lindenwood University's admissions and student financial services staff can advise prospective students of the full program of grant and scholarship availability. Although Lindenwood University grants and scholarships are credited in total at the beginning of each term, they are actually earned as charges are incurred.

Lindenwood University encourages students to apply for any outside scholarships for which they may be eligible. Scholarships or tuition benefits from outside private and nonprofit institutions or organizations are another way to help finance undergraduate education. Students must report all anticipated outside resources, including scholarships, grants, fellowships, tuition benefits, veteran benefits, or any other type of financial resources to the Office of University Admissions. Lindenwood admissions/student financial services counselors can advise prospective students and families of the policies and procedures regarding grants and scholarships.

In certain cases, outside awards may reduce eligibility for other financial aid or loans. Under NCAA rules, athletes must report the reason for their external awards, whether given based on athletic ability or based on some other criteria, such as academic merit or interest, non-athletic talent, ethnicity, residency, employment affiliation, etc. In certain circumstances, NCAA student-athletes may not be eligible to accept outside awards.

In no case may the total award exceed the cost of attendance (housing, food, tuition, books, personal, travel and fees).

Student Employee Programs

Lindenwood University employs students through regular part-time and full-time jobs and through the Federal Work Study Program. Jobs are offered at 10, 15, and 20 hours per week for part-time student workers. Some student worker opportunities are skill based and others are filled on a first-come, first-serve basis. Wages vary by position and skill level. Lindenwood's Student Employee Program operates on a three-tier model. Each tier is designed to serve a particular function and is paid an hourly wage in accordance with that function. Employment lengths vary by position. Lindenwood University is an "at-will" employer and student employees may be released prior to their service end date without cause or notice. Student

workers are paid on a bi-weekly payroll cycle and receive their checks through direct deposit.

Taxability of Scholarships and Grants Disclosure

Lindenwood University currently applies institution-granted scholarships/grants to student accounts in the following order: 1) tuition, 2) fees, 3) books, 4) room, and 5) board. If a student receives scholarships during the calendar year that exceed the cost of tuition, fees, books, supplies, and equipment, the amount that exceeds those costs should be reported by the student as taxable income. The university is required to send information to students and the Internal Revenue Service (IRS) about the student's payments toward tuition charges, grants, and scholarships on Form 1098T. Students are responsible for using this information as well as their own records to complete their tax returns.

Non-U.S. citizens and non-permanent resident aliens may be subject to U.S. taxation. The university uses Sprintax to gather required information about international students in order to facilitate the tax-withholding determination. Any portion of institution granted scholarships/grants that exceed the cost of tuition, fees, books, supplies, and equipment may be subject to a taxation rate of up to 14 percent for students who have an F, M, J, or Q visa, while all other visa types may be subject to a taxation rate of up to 30 percent. Non-U.S. citizens and non-permanent resident aliens may contact the non-resident employee compliance specialist at (636) 219-1273 to discuss questions about Sprintax or taxation.

Federal Financial Aid

Federal Pell Grant Program

The United States government sets the maximum Pell Grant award amount every year, which is \$7,395 for 2023-2024.

- Pell Grants are available to eligible undergraduate students.
- Financial need is based on information submitted on the FAFSA.
- Students must be working on their first bachelor degree.
- Grant recipients may receive Pell Grants for up to 12 semesters or the equivalent.

If you have already met or exceeded 12 semesters of eligibility you will no longer be able to receive Pell Grants even if you meet all other criteria. Equivalency is calculated by adding together the percentage of Pell Grants you received each year. For example: Your annual maximum Pell Grant eligibility in 2022–2023 was \$6,895; however, you only received \$3,448 because you were only enrolled for one semester and would have used 50% of

your 600% (12 semesters equal 600%, your lifetime limit). If the next year you enroll in both semesters and receive your full amount of Pell Grants, you would use 100% of your Pell Grant eligibility and 150% of your lifetime limit.

Federal Supplemental Equal Opportunity Grant (SEOG)

The SEOG program is a supplemental grant for undergraduates with exceptional financial need. Because it is a grant, it does not need to be paid back. Pell Grant recipients with the lowest expected family contributions will be considered first for a SEOG award. Awards are automatically assigned until all funds are awarded. If you are awarded these funds they will show up on your financial aid offer.

Federal Work-Study Program (FWS)

This program provides work opportunities for needy students. Eligibility is dependent on the extent of financial need, as determined by an analysis of the FAFSA. If a student is awarded work-study funds as part of the financial aid package, that student may seek employment on campus. Ordinarily, a student will work 20 hours per week while attending school.

Federal Loan Programs/Direct Subsidized Federal Stafford Loan

For more information on federal loans previous loan and grant history, you may visit studentaid.gov/. Federal Direct Subsidized Loan

- Low interest federal loan for qualified students. • Repayment (principal and interest) begins six months after a student graduates, withdraws, or drops below half-time status.
- Loan must be repaid within 10 years at payments of no less than \$50 per month. Other payment options are available.
- Loan amounts are up to \$3,500 for freshmen, \$4,500 for sophomores, and \$5,500 for juniors and seniors.

Unsubsidized Federal Stafford Loan

This federal loan has the same terms and conditions as the Direct Subsidized Loan.

- Loan amount of \$2,000 awarded to ALL students per year.
- In addition to the guaranteed \$2,000 unsubsidized loan, additional unsubsidized loan monies are available to students who are not eligible for the full subsidized Federal Direct Loan amount.
- Independent freshmen and sophomores may borrow an additional \$4,000 above regular Federal Direct Loan limits and independent juniors and seniors may borrow

an additional \$5,000 above regular Federal Direct Loan limits

Dependent students whose parents have been denied a PLUS Loan (credit reviewed annually) qualify for an additional unsubsidized Federal Direct Loan of \$4,000 in their freshman and sophomore years and \$5,000 in their junior and senior years. This is in addition to the \$2,000 unsubsidized loan awarded to all students.

Federal Parent Loans (FPLUS)

Parents of dependent students may borrow the difference between the student's cost of attendance and financial aid awarded.

- Repayment begins within 60 days of second disbursement or may be deferred until 6 months after the student graduates, withdraws, or drops below half-time.
- Loan amounts vary and cannot exceed the cost of attendance minus other financial aid received.
- To apply, the dependent student will need to complete the FAFSA and you will need to request the loan at studentaid.gov/

Loan Repayment

Student loans are funds borrowed by students to pay educational expenses. Student loans must be repaid, as outlined in university literature. A sample loan repayment schedule may be obtained by contacting the Financial Aid Office.

Student loan entrance and exit interviews are required for the Federal Stafford Loan Program (required by 34 CFR 685.304). The terms and conditions under which borrowers under the Direct Loan Program may defer payments of their loan principal and interest are reviewed during the exit interview. Additional information regarding deferment of loan repayment may be obtained by contacting the student loan guarantor or the Office of Student Financial Services.

Veterans' Benefits

Veterans and service members who believe they may be eligible for benefits can receive information and applications through the Veterans Affairs Center. Educational assistance may be provided to widows or children of veterans who have fallen in service or who are disabled because of service-related injuries. Spouses and children of disabled veterans may also be eligible for assistance as determined by the United States Department of Veterans Affairs.

It is the responsibility of the students to notify the VA certifying official of any changes in their class schedules, degree, or major. The VA school certifying official must promptly report changes to the Department of Veterans

Affairs when notified that a veteran is making unsatisfactory progress or has withdrawn from a class or from studies.

The Department of Veterans Affairs requires that institutions report specific information, and as a condition of being certified to receive benefits from the VA, the student receiving such benefits acknowledges the following policies, which may differ from those required of other students at Lindenwood:

- The university will notify the VA of all terminations, interruptions, or changes in semester-hour load within 30 days of occurrence. This may change the benefits available to the student.
- The student accepts the responsibility of notifying the registrar, the VA certifying official at the university, and the student’s advisor immediately in case of withdrawal from any course.
- The student accepts the responsibility of notifying instructors of any expected absence from class. A student may be withdrawn by the university for excessive absence.
- The school certifying officials shall inform the Department of Veterans Affairs that progress is no longer satisfactory with the accumulation of 12 or more hours of F grades.
- Students receiving benefits through the Department of Veterans Affairs must comply with the university’s general policies regarding withdrawal, attendance, and satisfactory progress.

This institution abides by Section 103 of the Veterans Benefits and Transition Act of 2018. This policy ensures that we will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs.

If you have any questions regarding veteran’s education benefits including federal and state tuition assistance for the reserves and National Guard components, please call the Lindenwood Veterans Affairs Center at the St. Charles campus at (636) 627-2922.

Fees and Payments

When students have accepted an offer of admission to Lindenwood by paying the enrollment deposit, students and their parents and/or guardians likewise accept all conditions of payment as well as all terms and regulations of the university. No promise or contract that differs from these terms shall bind the university unless it has been

signed by the president or his designated agent. The university reserves the right to increase or reduce fees each year according to changes in fiscal conditions.

Tuition and Fees

Traditional Undergraduate

Full-Time Block Tuition (12 - 18 credit hours)	\$19,900
Out-of-Block Tuition	\$663/credit hour

Room & Board Charges

Single - Residence Hall	\$3,690-\$4,422.50/16-week term
Single - Residence Hall	\$1,845-\$2,211.25/8-week term
Standard - Residence Hall	\$3,590/16-week term
Standard - Residence Hall	\$1,795/8-week term
Single - House	\$4,190/16-week term
Single - House	\$2,095/8-week term
Single - House 12 Month	\$14,560/year
Board	
Standard (Lion's Roam, Lion's Roar, and Lion's Pride)	\$2,260/16-week term

Non-Traditional Undergraduate

Non-Traditional Undergraduate	\$495/credit hour
Former ADP Students (2019 and previous)	\$410/credit hour

Other Fees

Academic Integrity tutorial penalty	\$25
Applied Music Course Charge*	\$200/credit hour
Barnes & Noble First Day	Varies
Campus Violation Fines	Varies
Commuter Dining Dollars (full-time undergraduate)	\$50/term
Conferral Processing/Diploma Fee	\$125

- (non-traditional undergraduate)	
Course Overload Fee (full-time students who take more than 18 hours in a term)	\$663
Culminating Project Extension Fee - undergraduate	\$55
Early College Academy Off-site	\$65/credit hour
Early College Academy On-site or Online (Lindenwood)	\$105/credit hour
Enrollment Deposit	\$300
Experiential Learning Credit	\$100/credit hour
Experiential Learning Portfolio Review Charge (one-time)	\$310
Housing Fines	Varies
ID Replacements	\$15
Lab Fee (in specified courses)	\$5-\$625/course
Late Payment Fee (per month)	\$55
Library Fines	Varies
Lion Fee (formerly One Fee) (Traditional Undergraduate)	\$850/term** Renamed Lion Fee & updated fee amount — April Addendum — 4/25/2024**
Online Student Technology Fee (annual)	\$500
Paramedicine Administration Charge	\$500
Parking Fines	Varies
Radiologic Technology Credit Transfer Fee	\$500
RN to BSN Administration Charge (one-time)	\$250
Student Teaching Administration Charge	\$300

Study Abroad Administration Charge	\$310
Study Abroad Trip Charges	Varies
Wellfleet Student Insurance	Varies

*Applied music fees are applied to individual lessons in piano, voice, orchestral instruments, and organ.

**Studio course fees are applied to courses such as ceramics, color theory, photography, and figure drawing.

Notes: (1) Provisions for “extended stay” housing and meals, degree programs, and tutoring and additional services are available upon request.

(2) Students are expected to pay tuition charges prior to the beginning of each term. Students may use financial aid (grants and loans) as payment. Student Aid Reports and loan applications should be submitted to the Office of Student Financial Services prior to the beginning of each term.

(3) The university provides complimentary internet service to resident students living in the dormitories and in certain other campus housing.

Payment Options

All tuition charges and fees are due prior to the beginning of the term. Students should consult their Student Financial Services Counselor regarding due dates or to make other payment arrangements prior to the beginning of the term. Alternatively, students may also use their student portals to remit payment. Payment options include the following items:

- Direct Corporate Invoicing is available for students who work for companies that require an invoice from Lindenwood University in order to process tuition assistance. It is the student’s responsibility to ensure that the employer’s tuition voucher is submitted to the Bursar’s Office before the payment deadline of each term. Failure to submit the necessary paperwork to the Bursar’s Office by the published payment deadline may result in late fees.
- The Corporate Promissory Note is available to students who work for companies that have tuition reimbursement plans. Proof of employment and a copy of the company’s reimbursement policy must be on file in the Bursar’s Office. The amount of the promissory note cannot exceed the amount the employer pays for tuition for each term. The due date for all promissory notes is 30 days following the conclusion of the term for which the note applies. A monthly late charge will be assessed after this date. Also, the student will forfeit the privilege of executing a promissory note in any

future term if payment is not received in full by the due date. By signing a promissory note, students give Lindenwood University permission to contact their employers if the note is not paid by the date due. Any payment or financial aid received prior to the promissory note due date will be applied to the balance appearing on the student's account. In addition, all transcripts and documents must be submitted to the Office of University Admissions to ensure that federal and state aid programs can be administered.

- Lindenwood offers monthly payment plans. The Tuition Payment Plan is an alternative to paying each term's tuition and fees (including on-campus housing expenses) in full by the due date. Students are able to enroll in a payment plan online in their student portal.

Per 16-Week Enrollment Fee	\$20.00
Credit/Debit Card Fee	**2.95% Domestic, minimum fee of \$3
Credit/Debit Card Fee	4.25% Foreign, minimum fee of \$3
ACH Payment Fee (Online Check)	No additional Fee

*Percentage updated after publishing – May Addendum – 5/8/2024***

Delinquent Accounts

Students must meet all financial obligations to the university in order to qualify for continued enrollment or graduation. Each term, students must pay all money due to the university, including tuition, fees, parking fines, library fines, and any other financial obligation. A student with a delinquent account can expect the following consequences:

- Enrollment for the subsequent term will not be allowed.
- Final grades for the current term will be withheld.
- Unless otherwise prohibited by law, transcripts will not be issued for students who have unsatisfied financial obligations with the University.
- A diploma will not be issued.

The university reserves the right to withdraw any student who fails to meet financial obligations to the university. Students who are withdrawn for nonpayment are liable for all charges on their student accounts at the time of withdrawal.

St. Charles City-County Library District Fines

The university, in cooperation with the St. Charles City-County Library District, will collect any fines or assessments due the library and bill them to the student's account. Any sums due will be treated like any other student fee.

Withdrawal and Refund Calculation

Within the first week of a term, a student may drop classes via the student portal without having to obtain the signature of a faculty member. No grade of W will appear on the student's transcript because of dropping classes during this week, and the classes will be dropped as "never attended."

In the event that a student wishes to withdraw from a course or courses or from the university altogether, the following conditions apply with respect to the refund of charges.

- Any student who withdraws from the university prior to the start of the second week of a term is eligible for a refund of charges for that term except the initial enrollment deposit, book vouchers, books, and other course materials. The refund of residential charges will be pro-rated.
- Any student who withdraws from all courses after the start of the second week of the term is eligible for a refund of the tuition and lion fee charges (including course-overload charges) for the courses the student attended upon the start of the term. Refunds are granted according to the schedule in the tables below.

Refunds for 12- & 16-Week Courses

Time of Withdrawal	Tuition Refund
Through week 1 of term (By Sunday 11:59 p.m. CST, Week 1)	100 percent
During week 2 of term (By Sunday 11:59 p.m. CST, Week 2)	75 percent
During week 3 of term (By Sunday 11:59 p.m. CST, Week 3)	50 percent
During week 4 of term (By Sunday 11:59 p.m. CST, Week 4)	25 percent
After week 4 of term	No refund

Refunds for 8 Week-Courses

Time of Withdrawal	Tuition Refund
Through week 1 of term (By Sunday 11:59 p.m. CST, Week 1)	100 percent

During week 2 of term (By Sunday 11:59 p.m. CST, Week 2) 50 percent

During week 3 of term (By Sunday 11:59 p.m. CST, Week 3) 25 percent

After week 3 of term No refund

Refunds for 4- & 6-Week Courses

Time of Withdrawal

Tuition Refund

Through week 1 of term (By Sunday 11:59 p.m. CST, Week 1) 100 percent

During week 2 of term (By Sunday 11:59 p.m. CST, Week 2) 50 percent

After week 2 of term No refund

- Any part-time or non-traditional student (enrolled in 11 or fewer credit hours) who withdraws from one or more courses after a term has begun is eligible for a refund of the tuition charges for those courses according to the schedule in the table above.
- Full-time undergraduate traditional students (enrolled in 12 to 18 credit hours) whose full-time academic status is not affected by the withdrawal from a course or courses they have already attended are not eligible for any refund of tuition for the withdrawal from those courses. If by withdrawing from the course, a student is no longer enrolled full-time they should consult their Student Financial Services Counselor to determine potential loss of aid eligibility.
- Any student wishing to completely withdraw from Lindenwood University after week one of classes should submit a completed withdrawal form, signed by the student's advisor or the Student and Academic Support Office (SASS) to the Office of Academic Services.

Notes: (1) Calculations of the return of Title IV aid for withdrawals occurring during the first two weeks of a term will be based on the last date of attendance for the term in which the student withdraws. Students who initiate a withdrawal from the university after the first two weeks of the term will be eligible for a refund of Title IV aid based on the date that the withdrawal form was submitted to Academic Services. A student who remains enrolled beyond the 60 percent point of the term will not be entitled to a return of Title IV aid.

(2) Any student who earns the grade of AF in all coursework within a term will be considered unofficially withdrawn for that term and will be subject to a Title IV refund calculation. Based on this calculation, a portion of Title IV aid may be unearned and required to be returned to the appropriate agency.

Students should refer to their Housing Contract for terms and conditions. Application, lab, and miscellaneous fees are nonrefundable.

Appeals of Refund Calculation

Appeals of withdrawal and refund calculations or other institutional charges from students and parents who feel that individual circumstances warrant exceptions from published policy should email businessofficeappeals@lindenwood.edu. In order to appeal a decision, the student must submit a written request including any evidence that would substantiate the appeal.

Refund Distribution of Financial Aid

Once the withdrawal date is determined, A Title IV refund calculation will be performed. All unearned Title IV aid funds will be returned to the respective programs within 45 days of the determined date of withdrawal.

Funds will be returned in the following order:

1. Unsubsidized Federal Direct Loans
2. Subsidized Federal Direct Loans
3. PLUS Federal Direct Loan
4. Federal Pell Grant
 - a. Once the institution has determined that a student has completely withdrawn, a Return of Title IV funds calculation will be performed within 30 days. The institution will notify the student in writing of their revised eligibility after the Return of Title IV funds calculation is completed. If the student owes unpaid tuition and fees, the student will receive an updated invoice from the institution.
5. Iraq and Afghanistan Service Grant (IASG)
6. Federal Supplemental Educational Opportunity Grant
7. TEACH Grant

After the Office of Financial Aid has a withdrawal date the Return to Title IV calculation will begin as follows:

Step 1: Determine the percentage of aid earned by calculating the percentage of the period that the student completed.

Step 2: Determine the amount of earned aid by applying the percentage to the total Title IV aid that was or could have been disbursed.

Step 3: Determine the amount of unearned aid by subtracting earned aid from disbursed aid or determine the amount of a post-withdrawal disbursement by subtracting disbursed aid from earned aid.

Step 4: If unearned funds must be returned, determine the school's and the student's shares; or if a post-withdrawal disbursement is due, determine the sources from which it will be funded.

Step 5: If unearned funds must be returned, allocate unearned aid to programs from which student was funded;

or if a post-withdrawal disbursement is due, send student applicable notification.

Step 6: Return Lindenwood University's share and any funds repaid by the student or if the calculation results in an amount that exceeds Lindenwood's portion the student will be notified to repay those funds; or make the post-withdrawal disbursement.

If the student did not receive all the funds earned, they may be due a post-withdrawal disbursement. If the post-withdrawal disbursement includes loan funds, the student will be offered to the student within 30 days. The institution must get the student's permission before the funds can be disbursed. The student may choose to decline all or part of the loan funds, so they do not incur additional debt. Students who wish to have loan funds credited to their account will need to make the request in writing to the Office of Financial Aid within 14 calendar days of receiving their notification letter. If the post-withdrawal disbursement is from Pell, then the money will be applied to any outstanding tuition, fees, room or board. If there is a credit balance it will be sent to the student within 14 days of being created. If the calculation results in an amount that exceeds Lindenwood's portion the student will be notified to repay those funds to the Department of Education.

There are some Title IV funds that a student may have been scheduled to receive that cannot be disbursed to a student once they have completely withdrawn because of other eligibility requirements. For example, if a student is a first-time, first year undergraduate student and has not completed the first 30 days of their program before they withdraw, they will not receive any Federal Direct Loan funds that they would have received if they had remained enrolled past the 30th day.

Cash Disbursements

When a student officially or unofficially withdraws from school and has received a cash disbursement for educational expenses that exceeds non-institutional costs of education up to that time, the student owes the excess amount to the Title IV program(s) that helped meet the student's educational costs. Lindenwood University will follow the same procedures used in the refund policy to determine which Title IV program(s) will receive the student-owed repayment. The university will notify, bill, and collect the amount owed the Title IV program(s) from the student.

Maintaining Financial Aid Eligibility

Satisfactory Academic Progress (SAP) for Financial Aid

Undergraduate Students

Satisfactory Academic Progress (SAP) ensures students are able to complete their academic program in a timely

manner while achieving and maintaining compliance with minimum standards. Federal regulations mandate that all students are required to meet SAP standards as they work toward a degree in order for them to qualify for financial assistance. This policy pertains to both those students receiving Title IV funding and non-Title IV recipients. SAP is evaluated on a payment period basis (generally this will be at the end of fall, spring and summer semesters) after grades are posted and will affect the eligibility for the upcoming payment period.

Satisfactory Academic Progress is determined by the following criteria:

- Quantitative Measurement
 - Pace of Progression (Credit Hours)
- Qualitative Measurement (GPA)
 - Maintain a minimum cumulative grade point average.

Students must complete attempted hours according to the following (Quantitative Measurement):

- Completion of 67 percent of cumulative hours attempted,
 - *i.e. 12 hours attempted, 8 hours must be completed ($8/12 = 67$ percent).
- Grades of "I," "W," or "F" are considered attempted hours.
- Transfer credit hours accepted by Lindenwood University will count as both attempted and completed hours.
- Once a student completes coursework for an "I" grade, or a grade is changed, academic progress will be reviewed again by the Office of Student Financial Services.

Students must maintain a minimum cumulative grade point average of 2.0 (Qualitative Measurement).

Maximum Time Frame

Degree requirements must be completed within a maximum time frame. Federal law requires a maximum time frame of no more than 150 percent of the published length of the program. Hours earned at Lindenwood University and accepted transfer hours are included in this time frame.

SAP Monitoring

A student's SAP will be evaluated at the end of each payment period. The cumulative academic record at Lindenwood University is considered when SAP is evaluated regardless of whether the student received financial aid. Students who are not successfully completing courses at the pace and GPA outlined are placed on Financial Aid Warning for the following payment period

and will be notified by the Office of Student Financial Services. If SAP is not still being met after the warning period, then the student will receive notification from the Office of Student Financial Services that the student is no longer eligible to receive financial aid and will need to be meeting SAP before Financial Aid is offered again. This evaluation will include a measurement of student's progress set forth in the qualitative standards (GPA) and quantitative standards (credits).

Financial Aid Warning

Students may receive financial aid during the semester they are on warning. If the student fails to meet SAP at the end of their warning payment period, the student will be ineligible for financial aid.

After the warning period, any student not making Satisfactory Academic Progress (SAP) for financial aid will receive a letter from the Office of Student Financial Services stating that the student is no longer eligible to receive aid from any program.

At this point, that student will have two options.

- Attend Lindenwood using the student's own financial resources and without federal financial aid, until the minimum requirements of the Institute's Federal Satisfactory Academic Progress policy have been met.
- Submit an appeal stating the reason(s) why they have not met the minimum standards along with any supporting documentation that verifies the circumstances that affected their ability to meet the minimum standards. Additional information on the appeal process is provided below.

Appeal Process

A student may submit a written statement of appeal for additional federal assistance if the student feels that their special circumstances prevented them from meeting the minimum standards of Federal Satisfactory Academic Progress. Note that a student may only submit up to two SAP appeals during their academic career at Lindenwood.

Reasons for appeal might include:

- Medical, family, or emotional difficulty
- Documented learning disability
- Other special significant or unusual circumstances (poor time management is not a significant or unusual circumstance)

Students must submit the following to the Office Student Financial Services:

- The Satisfactory Academic Progress Appeal Request Form
- A detailed statement of their reason for not meeting SAP standards

- What has changed that will enable them to meet SAP standards
- Third party documentation supporting their statement such as, but not limited to:
- Letter from doctor, minister, counselor, or instructor
- Hospital records
- Death certificates

The SAP Appeals Committee will review the request, the written statement, and any other submitted documentation to determine if the student can meet SAP standards by the end of the next semester in tandem with the Office of Academic Services. If the committee determines that the student cannot meet the required standards after completion of one semester, the student will need to agree to an Academic Plan for Improvement.

All students will be notified in writing of the Appeals Committee's decisions. Please note that if approved, only one semester of financial aid eligibility can be offered without an approved Academic Plan for Improvement. The student must meet the minimum standards of SAP by the end of the approved semester to retain eligibility. If the student does not improve the deficiencies within the approved semester(s), the student will no longer be eligible to receive financial aid. Students will continue to be ineligible for financial aid until the minimum requirements are met or an Academic Plan for Improvement is approved.

State Financial Aid

Several grants are available to Missouri residents who attend eligible institutions in the state of Missouri. Lindenwood University is an eligible institution.

Access Missouri Financial Assistance Program

The Access Missouri Financial Assistance program is a need-based grant available to eligible full-time Missouri resident undergraduate students. Please visit the Missouri Department of Education website at www.dhe.mo.gov/ppc/grants/accessmo.php for a list of eligibility criteria.

Missouri Higher Education Academic Scholarship Program

The Missouri Higher Education Academic Scholarship program is available to Missouri residents who have a composite score on either the ACT or SAT tests that places them in the top three percent of all Missouri students taking those tests. The scholarship is renewable for up to four years for Missouri residents who enroll as full-time undergraduate students and maintain a 2.5 cumulative GPA at an approved institution for the period of the scholarship. Lindenwood University is an approved eligible institution. Students will be notified by the

Missouri Department of Higher Education as to their eligibility.

Vocational Rehabilitation

Vocational rehabilitation assistance may be available for students with disabilities. Students should contact their regional office of vocational rehabilitation concerning benefits.

Montgomery GI Bill®, MOGUARD, and ROTC

Lindenwood assists qualified students in obtaining financial assistance for their education through the various military funding sources. Missouri National Guard, Reservists, and Reserve Officer Training Corps members may be eligible for special financial incentives and entitlements such as Lindenwood ROTC GRANT, ARNG Federal Tuition Assistance, MOARNG State Tuition, Monthly Drill Pay, ROTC Stipend, Montgomery GI Bill®, and Kicker. Information is available from the VA school certifying official.

ACADEMIC POLICIES AND PROCEDURES/ACADEMIC SERVICES

Academic Policies

Academic Load and Enrollment Requirements

All academic credit is stated in semester credit hours. Full- and part-time student status is determined by the number of credit hours in which a student is enrolled during any given term. In credit hours, the academic load for undergraduate semester students is as follows:

Full-time

Twelve or more credit hours

Part-time

Nine to eleven credit hours: three quarter-time

Six to eight credit hours: half-time

One to five credit hours: less than half-time

Notes: (1) International students must maintain full-time student status to remain in compliance with U.S. visa regulations.

(2) Course extensions (including capstone extensions and thesis extensions) are not counted among a student's "hours enrolled." For this reason, students who are enrolled only in the completion of a thesis or capstone experience are considered less than half-time students.

(3) Missouri students expecting to qualify for Missouri State Grant funds are required by the state to be enrolled in a minimum of 12 hours per semester both at the time the funds are requested and at the time the funds are received.

Academic Overload

Any full-time traditional student who wishes to take up to 18 hours may do so without seeking any additional approvals. Students wishing to take 19-24 credit hours must petition for academic course overload. Note: Any student that exceeds the number of hours included in the block tuition rate will incur additional tuition charges.

Honors Overload

With administrative authorization, full-time traditional students with cumulative grade point averages above 3.5 may take courses up to 24 credit hours of undergraduate coursework at no extra charge as long as the traditional student matriculated prior to the 2021-2022 academic year. Students that matriculate during the 2021-2022 or any future academic years will not be eligible for the honors overload. In addition, the honors benefit shall apply to early access graduate courses.

International Student Enrollment Requirements

International students studying at Lindenwood University adhere to specific enrollment requirements in accordance with their F-1 visa status.

For international students enrolling in online courses:

8 CFR § 214.2(f)(6)(i)(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credits per term may be counted toward the full course of study requirement if the class is taken on-line or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An on-line or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, or satellite, audio conferencing, or computer conferencing.

- One online course will count towards full-time status.
- Lindenwood University policy states that undergraduate students cannot be enrolled in the same number of online as on-ground classes.

Undergraduate On-Ground and Online Course Combinations

Enrollment Status	Number of Online & On-Ground Courses
Enrolled in 12 credit hours	Three on-ground and one online
Enrolled in 15 credit hours	Three on-ground and two online
Enrolled in 18 credit hours	Four on-ground and two online, etc.

Graduate On-Ground and Online Course Combinations

Enrollment Status	Number of Online & On-Ground Courses
Enrolled in six credit hours	One on-ground and one online
Enrolled in nine credit hours	Two on-ground and one online

For international students wanting to take an approved reduced course load:

Reduced Course Load (RCL) is when a student is authorized to take less than full-time course load. There are several reasons that RCL can be authorized for an international student:

1. Illness or medical reason.
2. Improper course level placement.
3. Initial difficulty with reading requirements.
4. Initial difficulty with the English language.
5. Unfamiliarity with the US teaching method.
6. To complete course of study in current term.

Each of the items listed have specific requirements in order to be authorized. Please read the requirements on the Study in the States – reduced course load website before selecting the reason.

RCL can be requested by submitting the Reduced Course Load form to the (P)DSO located in the Center for Diversity Inclusion (DCI) office prior to the second week of the term. If the student needs to have a RCL authorized in mid-term, the form should be submitted prior to completing the add/drop form. Reduced Course Load form can be found on the International Services Website or can be requested by emailing internationaladmissions@lindenwood.edu.

For international students taking courses at different location:

- International students are required to take the majority of their program courses on the St. Charles campus.
- The required courses for the international student's program cannot have more than 50 percent of the courses taught at an off-campus Learning Center.

For international students participating in Curricular Practical Training (CPT):

Curricular Practical Training (CPT) is special work authorization for international students. It allows students to participate in internships or work off of campus as long as the student is enrolled in an internship course for that term. CPT is approved for students in their junior year of their program.

- CPT is term based, meaning that it is only authorized for the term that the student is taking the internship course.
- Students must have CPT added to their I-20 if they are receiving compensation or participating in a paid internship opportunity. If they are non-paid/volunteer internships then CPT does not need to be authorized on their I-20.
- CPT will only be authorized for part-time while the term is in session.

- Undergraduate/Graduate students:
- During the fall and spring semesters, graduate and undergraduate students can only work part-time.
- Graduate and undergraduate semester students can work full-time during the summer session.

CPT Procedures

- Students are required to fill out all four sections of the CPT form.
- If the student has an internship procedure/packet, it will need to be included with the CPT form.
- The student can include a copy of the employer hire letter in lieu of the employer filling out the requested section of the CPT form.

Classification of Students

Academic progress is calculated in credit hours.

- To be classified as a sophomore, a student must have successfully completed at least 24 credit hours.
- To be classified as a junior, a student must have successfully completed at least 54 credit hours.
- To be classified as a senior, the student must have successfully completed at least 84 credit hours.

The classification of a student is changed only at the end of a term. A minimum of 120 credit hours (not including courses completed at the preparatory or pre-college level, numbered 01000-09999) is necessary to complete a bachelor's degree.

Attendance

All students at Lindenwood University are expected to attend all classes and all class activities for which they have enrolled. Students who miss class are expected to inform the instructor and to make up the work to the instructor's satisfaction.

At times, absence from class may be unavoidable—as in instances of prolonged illness, hospitalization, mandatory religious practices, or participation in an approved student activity. (For information regarding absence due to university-sponsored activity, see the Excused Absence Policy for Students Engaged in LU Authorized Events.) A student who has been hospitalized should submit official doctor's or hospital documentation to the accessibility manager located in the Library and Academic Resource Center, suite 346. Written verification of religious observances may be required.

In the case of unsatisfactory work due to excessive absences from class, the instructor may give ample warning to the student that the work is unsatisfactory and may report a final grade of F or AF to the registrar.

Note: Persons receiving benefits from the Veterans Administration are governed by special regulations concerning class attendance. See Veterans' Benefits, appearing earlier in this catalog.

Bereavement Policy

Rationale

In the event that a student experiences the death of a loved one during the course of an academic term, the student may request to utilize the Bereavement Policy for Students. Lindenwood recognizes the impact that a loss may have on the emotional and academic well-being of a student and wishes to support the student during this stressful time. Lindenwood also understands that grief impacts every student differently and, therefore, this policy is not an attempt to quantify the impact of the death of a loved one or in any way address the nature of the grief process. Rather, the purpose of this policy is to provide a formal process to allow grieving students the time to attend the bereavement services, as well as the opportunity to be available for their families during times of death and grief.

Policy

Under this policy, a student will be excused from class for funeral leave, subsequent bereavement, and/or travel considerations. A student is entitled up to five (5) consecutive academic days of bereavement to mourn a death in the immediate family as defined below. For a death outside the immediate family as defined below, a student is entitled up to three (3) consecutive academic days of bereavement. While this policy excuses a student from class attendance, the student remains responsible for all material covered in class and must work with each individual professor upon return to complete any required work.

The immediate family includes:

- Parent(s) or legal guardian(s)
- Spouse
- Parent
- Stepparent
- Sibling
- Child
- Stepchild
- Grandparents or grandparents-in-law
- Father-in-law
- Mother-in-law
- Brother-in-law
- Sister-in-law
- Son-in-law

- Daughter-in-law
- Grandchild

International Students

An international student will be granted up to ten (10) consecutive days if there is a death in their immediate family. The student must provide the SASS office with relevant and appropriate documentation to certify the death of a relative. Such documentation may include a copy of a death certificate, a letter from a recognized religious leader (such as an Imam), a police or consular report, official government certification or similar. All submitted documentation must be official copies in English (or be accompanied by an official translation).

Exceptions

The University reserves the right to review specific situations to determine if exceptions to the established bereavement policy are warranted. Exceptions must be discussed and agreed upon prior to the start of the leave with the Director, Student Support Services in consultation with the Associate Provost, Academic Affairs and the AVP, Student Affairs.

Scope of Applicability

This policy is applicable to all full- and part-time graduate and undergraduate students.

Process and Notification

The student or a representative (family member, room/suitemate, on-campus faculty/staff) must notify the Student Academic Support Services (SASS) Office prior to the start of the bereavement leave. The student is required to provide appropriate documentation to the SASS Office. Upon receipt of the appropriate documentation, a representative from SASS will notify the necessary and appropriate on-campus offices (faculty, success coach/academic advisor, athletic coaches, Residence Life) of a student's bereavement leave and anticipated return date. Upon return to the institution, it is the responsibility of the student to communicate with their instructors about any missed assignments and arrange to complete missed work. In keeping with this policy, instructors shall excuse the student from class according to this policy and provide an opportunity for the student to complete missed quizzes, exams, papers, other required work and/or alternative assignments. Students who have followed this policy should not incur academic penalties. Members of the faculty shall have the option to adjust course requirements at their discretion to assist the student in ways deemed appropriate including, but not limited to, the following:

- Extension of due dates
- Providing make-up exams
- Assigning alternative assignments and/or evaluations

- Assigning a grade of Incomplete
- Issuing the student a final grade for coursework earned to date without a requirement to complete remaining academic assignments (typically for situations occurring within the last two weeks of the semester)
- Other measures agreed upon by the instructor and the student

Documentation

Any student who wishes to utilize this policy is required to provide documentation to the Student Academic Support Services (SASS) Office. Acceptable documents may include a funeral program, obituary, signed letter from funeral home, or death certificate. Failure to provide documentation will result in the absences being considered unexcused.

Appeal

If an instructor fails to follow this policy, the student may appeal the instructor's decision in writing to the Associate Provost, Academic Affairs.

Counseling Services

Lindenwood University's Student Counseling and Resource Center is available to assist students and provide counseling services if so desired by the student. Students may also access free crisis and scheduled teletherapy through Uwill while away from campus and upon their return.

Academic Support

Lindenwood University's Student Academic Support Services (SASS) Office is available to assist students and provide academic support if so desired by the student.

Excused Absence Policy for Students Engaged in Military Duties

Title 38 of the U.S. Code (Law) states that an educational institution may not take the following actions when a member receives orders for a period of service:

- Assigning the member a failing grade,
- Reducing the member's grade point average,
- Characterizing any member's absence(s) as unexcused, or
- Assessing a financial penalty on a member because of a withdraw or leave of absence due to receiving orders for service.

Lindenwood University allows students participating in required military duties to be excused from class. Military duties covered under this policy include but are not limited to military deployment, required annual military training, ROTC activities and civilian deployments in support of federal operations. For service members holding Reserve

and National Guard status, weekend duty (drill) requirements should not interfere with normal school schedules. However, if a situation arises that requires absence from class due to duty/drill requirements, this absence can also be excused if the required absence is verified by the commanding officer or other affiliated Guard leader.

If circumstances permit, students should notify instructors of all absences for military duty prior to the absence. Instructors may request documentation/verification of the military duty and require that the absence be verified by the Office of Veteran Affairs. If an exigent circumstance arises, where notification is not possible prior to the absence, the student should contact the instructor and/or university as soon as possible to present documentation of the reason for the absence as well as the reason for late notification. When make-up work is pertinent, students who have provided their professors with notice should be afforded the opportunity to complete assigned work. Alternatively, students can be assigned an educationally equivalent substitutable activity at a time and place mutually agreed upon by the student and the instructor.

No adverse or prejudicial effects shall result to any student with excused absences for official university activities or military duties.

Note: Students enrolled in classes with extremely compressed meeting schedules will not be excused from class attendance if participation in the activity would cause the student to miss a significant portion of the scheduled meeting time. Students who enroll in such a class and find that they must be absent will be advised to withdraw from the class.

Excused Absence Policy for Students Engaged in Lindenwood University Authorized Events

Lindenwood University allows students engaged in official sports contests, arts events, approved field trips, approved conferences, etc., to be excused from class for university-sponsored events in which those students are officially representing the university. Students are required to communicate personally with their professors regarding their anticipated absences and to arrange for missed work in advance of their university-authorized absences. When make-up work is pertinent, students who have provided their professors with advance notice should be afforded the opportunity to complete that work or an educationally equivalent and substitutable activity at a time and place mutually agreed upon by the student and the instructor.

Note: Students enrolled in classes with extremely compressed meeting schedules will not be excused from class attendance, even for a university-authorized event if participation in the event would cause the student to miss a significant portion of the scheduled meeting time. Students who enroll in such a class and find that they must be absent will be advised to withdraw from the class.

Responsibilities Related to Excused Absence Policy

All members of the Lindenwood community have responsibilities to ensure that the Excused Absence Policy functions properly and efficiently for students, staff, and faculty. Below are the responsibilities of each party affected by or involved with the Excused Absence Policy:

Athletics Department

The Lindenwood Athletics Department will provide notice of any upcoming student-athlete absence for a sporting event or related, excused sports activity. The notice will be sent through LindenCircle. This notice is to inform faculty that the student-athlete is representing the university in an athletics event or function. It is the responsibility of the student-athletes to remind professors of their absence at least 48 hours in advance and to arrange for any missed work. Exceptions to the 48 hour rule should be noted in the LindenCircle excuse form and include last-minute travel roster substitutions, changes in schedule due to inclement weather, and/or qualifying competition.

Academic Departments

A faculty member or academic department sponsoring a special co-curricular event or outing should first complete a field trip form and submit it to the associate provost for engaged learning for approval. This form should list the name of each student attending the outing, along with a sponsor signature, confirming that all students who will be traveling have signed a travel waiver. Once the outing is approved, the associate provost will send notice via LindenCircle of the excused absence.

Professors

Professors affected by excused student absences should make reasonable accommodations for excused students who are missing class or other academic activities because of their participation in an event or other function related to their participation in a scheduled, university-authorized co-curricular event. Professors should, in advance of any such excused absences, stipulate in writing in the course syllabus their expectations of and procedures for students who must miss class for authorized reasons. Each professor's expectations and procedures should meet the parameters outlined in this Excused Absence Policy and should be reviewed with all students during the first week of class.

Students

Students who must miss class for a Lindenwood sporting event or other Lindenwood-authorized activity must, in person or via email, provide advance notice to all professors whose classes they will miss with specific details of their upcoming absence. If possible, this notice should be provided at least 72 hours in advance of the affected class meetings. If 72-hours' notice is not possible, the student should notify professors as soon as possible. This personal notice shall be given in addition to the

general notice provided by the Lindenwood Athletics Department or academic department sponsoring the event. In each case, the student is also expected to prepare thoroughly for and promptly engage in any substitute or make-up assignment or activity.

Declaration of Major

All undergraduate students must declare a major by the time they complete their fourth semester of full-time enrollment by submitting a Change of Major/Advisor form to the Office of Academic Services. This form must be completed, signed by the student and the major advisor(s).

Change in Degree Program

Students wishing to pursue a degree or program other than the one they originally sought should consult with an advisor in the new program to determine whether additional application materials must be submitted for admission to the new program. For any subsequent change in degree/major program, the same procedure should be followed as above.

Double Major/Second Bachelor's Degree/Second Bachelor's Major

It is possible for a student to earn more than one undergraduate baccalaureate degree type from Lindenwood University. These degrees may be pursued either simultaneously or sequentially. They may be earned in the same college or in two or more colleges of the university.

Degree types offered at Lindenwood include BA, BAS, BFA, BM, BS, or BSW. A student may earn a given degree type only once. For example, a student pursuing majors in accounting and sociology may not earn more than one BA. (See information on double major.)

A student who pursues multiple majors leading to different degree types may earn multiple degrees. For example, a student majoring in exercise science and social work may earn both a BS and a BSW. Students may earn any combination of degree types. (See information on second bachelor's degree.)

Pursuing Two Bachelor's Degrees or a Double Major Simultaneously with no Break in Attendance**Double Major**

If a student simultaneously completes the requirements of two majors leading towards the same degree type, the student will earn one degree, and both majors will be noted on the student's transcript. Students will receive one diploma. The student must complete the core requirements for both majors in addition to the general education requirements for the degree earned. (Refer to General Education Requirements by degree.)

Second Bachelor's Degree

If a student simultaneously completes the requirements of majors leading towards degrees of different types, the student will earn two degrees, with each major noted under the appropriate degree on the student's transcript. The student must complete the requirements of each major.

Pursuing a Second Bachelor's Degree or Second Bachelor's Major Sequentially after a Break in Attendance

Second Bachelor's Degree

A student who has previously earned a baccalaureate degree from Lindenwood University may return to earn a second bachelor's degree if the student is seeking a major leading to a degree type not previously earned at Lindenwood University. The student must complete the core requirements of the major. Students will be required to take only those specific general education classes that are degree requirements for their major. Upon completion of all requirements, the second degree and major will be added to the student's transcript. The student will receive a new diploma listing the degree and major earned.

Students seeking an undergraduate degree who have previously earned a bachelor's degree from another regionally accredited university based in the United States may petition to waive the Lindenwood University general education requirements. If approved, students will be required to take only those specific general education classes that are degree requirements for their major.

Students seeking an undergraduate degree who have previously earned a bachelor's degree from an international institution must submit an official transcript to Educational Credential Evaluators (ECE) or World Evaluation Services (WES) for an evaluation. The ECE/WES evaluation will be reviewed to determine the university general education requirements that the student must complete, and the requirements that the student can petition to be waived.

Second Bachelor's Major

A student who has previously earned a baccalaureate degree from Lindenwood University may return to earn a second bachelor's major if the student is seeking a major leading to the same degree type previously earned at Lindenwood University. The student must complete the core requirements of the second major. Upon completion of all requirements, the second major will be added to the student's transcript with the notation "Second Bachelor's Major." The student will not receive a new diploma as no new degree type has been earned.

Posthumous Degree

In the event of a student's untimely death, the university may grant a posthumous degree if the following criteria are met.

Undergraduate students

Eligibility:

- The student had reached senior status and had completed at least 50% of the major requirements.
- The student was in good standing with a cumulative GPA of 2.00 or higher.
- The student had no pending disciplinary sanctions.
- The academic college in which the student was enrolled recommends the awarding of a posthumous degree.

Procedure:

- Anyone can request a deceased student be considered for a posthumous degree. It is recommended that this request be made within two years of the student's passing.
- Once a request has been made, the student's academic college dean and department faculty will review the student's eligibility. If the college representatives determine that the student is eligible for a posthumous degree, the recommendation will be forwarded to the Provost.
- If approved, the Provost will direct the Registrar to award the degree and request a diploma to be sent to the next of kin.
- The statement "Awarded Posthumously" will be printed on both the student's transcript and the diploma.

Early College Academy

The Early College Academy allows high school students to earn college credit via dual credit, concurrent enrollment, and early college credit. High-school students are eligible to take most 10000-level courses and some 20000-level courses.

- Dual Credit Classes meet both high school requirements and the requirements for university credit at Lindenwood. These classes take place in the high school as part of the high school schedule. Dual credit classes are taught by high school teachers that meet credentialing requirements of the university. Participating high schools must have an agreement on file with Lindenwood.
- Concurrent enrollment classes are existing Lindenwood classes that high school students can take, either online or on-campus, in which the high school has also agreed, will count toward high school credit. These classes are taught by Lindenwood faculty and may or may not take place within a student's high school schedule. Participating high schools must have an agreement on file with Lindenwood.

- Early college credit classes are existing Lindenwood classes that high school students can take, either online or on-campus to earn college credit. These classes do not also count toward high school credit. Because these are existing university classes, they are taught by Lindenwood faculty; students are in the same classes as other Lindenwood students; and these classes are not part of the high school schedule.

Any tuition or fees paid for enrollment in the Early College Academy program are non-refundable.

Earned Credit Time Limits

Credits earned at Lindenwood University will be accepted toward a degree no matter when they were earned, except for requirements in the student's major. Credits earned in the student's major will be reviewed for approval by the department head. If any course must be repeated within a major and the course is not being offered in the normal sequence of course offerings, it may be offered as a special topics class with credit counting toward graduation. Such a course will be calculated as a part of the student's GPA.

Extra Credit

At the instructor's discretion, extra credit opportunities may be offered. Such opportunities must be equally accessible to all students enrolled in the course. Please direct any questions about this policy to the Office of the Provost.

*Policy updated after publishing – April Addendum – 4/30/2024***

Expectation of Student Work

Student work is defined as assignments, homework, and other academic activities to be completed outside of instructional time, including reading, studying, writing, research, etc. Students should expect to spend a minimum of two hours per week completing this work for each credit hour enrolled (thus, six hours of work outside of class for a three-credit-hour course), although the time spent outside of class may increase based on the topic and level of the course.

Final Exams

All courses are required to meet until the end of the scheduled academic terms defined in the university calendar. Professors are required to hold a final exam or other significant evaluative activity at the scheduled final exam time as outlined in the final exam schedule.

There are no exceptions to these requirements. Faculty members are not to change the time of the final exam, either by changing the date of the exam or by changing the time of the exam. Students must take their final exams at the designated time and place except under extenuating circumstances beyond the students' control.

In the event that classes are officially cancelled during final exams, the students' final course grades will be calculated based on the work in the course completed to that point if 75 percent of the graded work in the class has already been assigned. If 75 percent of the graded work in the class has not been assigned by the time of the final exam, a make-up exam will be scheduled.

Non-Degree Seeking Students

A student who is not seeking certification or any degree with Lindenwood University may be accepted as a non-degree, "Special Status" student. Students accepted under this status must meet university admissions standards and may not take more than 15 credit hours of regular, undergraduate, or graduate credit without being fully admitted. This policy does not apply to cooperative (workshop) credit. Students accepted with special status are not eligible for financial aid or student loans as they are not fully admitted to the university. Payment arrangements must be made with the Bursar's Office prior to attending class. Please direct any questions about this policy to the Office of the Registrar.

*Policy updated after publishing – April Addendum – 4/30/2024***

Catalog of Entry

Students are required to satisfy the degree requirements of the catalog in effect at the time of matriculation. A continuing student who desires to pursue a course of study added to the curriculum in a subsequent catalog year or who wishes to fulfill degree requirements that have changed since the student's matriculation must submit a catalog change request to the Office of Academic Services. If the request is granted, the student will be bound by all policies and requirements in the new catalog. Students who discontinue study at Lindenwood University may be required to adopt the requirements of the catalog in effect at the time of readmission depending upon the length of the absence.

Note: The university reserves the right to modify its policies (other than degree requirements) at any time. Students must adhere to all university policies that are in effect during each term of enrollment.

Academic Standards

In addition to making satisfactory academic progress to maintain financial aid eligibility, students must also meet an additional set of academic expectations in order to remain in good academic standing with the university. Failure to meet these standards will result in academic probation, academic suspension, or dismissal from the university.

Maintaining Good Academic Standing

Academic standing is assessed at the end of each academic standard term. To remain in good academic standing, undergraduate students enrolled in three or more credit hours in a given term must maintain a minimum cumulative GPA of 2.0. Students whose cumulative GPA falls below 2.0 will be placed on probation. Students whose cumulative GPA remains below 2.0 after the subsequent term will be permitted to continue on probation as long as the term GPA is 2.0 or higher. Students are removed from probation when the cumulative GPA reaches 2.0. A student on probation who earns a term GPA below 2.0 will be placed on suspension.

Academic Probation

Academic probation indicates that a student is not in good academic standing and is subject to suspension if the student's work does not reach a satisfactory level. Students remain on academic probation until the cumulative GPA reaches the minimum level of 2.0, as long as each term GPA is 2.0 or higher.

Academic Suspension

Academic suspension indicates that a student is not in good academic standing and has been dismissed because the student's work has not reached a satisfactory level. Academic suspension must be appealed in writing before a student may continue in a subsequent term.

Appealing Academic Suspension

Upon academic suspension, a student who wishes to resume studies must first appeal the suspension in writing. The appeal must be received and reviewed prior to the beginning of the term following the student's suspension. The Provost and an appeals committee will review the student's letter of appeal, along with the student's academic history and overall academic performance.

Continuously enrolled students whose appeals of academic suspension are granted will resume their studies on probation. Any student who discontinued studies for one term or more and who departed the university under academic suspension must appeal the suspension before being readmitted. Upon readmission, students who have discontinued enrollment for less than one year will be subject to the requirements in the catalog in effect at the time they were first admitted to the university.

Students who discontinued studies for more than one year will be subject to the requirements in the catalog in effect at the time of their return.

Note: Students will be notified of their academic suspension by email and will be provided a link with guidelines for submitting the appeal online, including a specific date by which the appeal must be received. If a student's appeal is not received by the date specified, the student will be dropped from all classes, and, if a resident, the student's campus housing will be cancelled.

Academic Integrity

Lindenwood University students belong to an educational community invested in the exploration and advancement of knowledge. Academic integrity is a critical part of that investment: all students have a fair opportunity to succeed, and as such, all students owe their classmates, instructors, administrators, and themselves the duty of scholarly and creative work untainted by plagiarism, dishonesty, cheating, or other infringements of academic integrity. In turn, instructors, staff, and administrators will also uphold these policies in order to promote student intellectual development and preserve the integrity of a Lindenwood degree.

As part of this educational community, students are expected to familiarize themselves with the university's policies on Academic Honesty in the Lindenwood University Student Handbook and to adhere to these policies at all times. Students are also encouraged to consult the resources of the university library and the Writing Center/Academic Success Center for assistance in upholding the university honesty policy.

Academic Dishonesty includes plagiarism, cheating, and lying or deception.

- Cheating is giving or receiving unauthorized aid on an examination, assignment, or other graded work. Regardless of where the aid comes from—e.g., cell phone, crib sheet, or another student—it qualifies as academic dishonesty.
- Lying/Deception refers to dishonest words, actions, or omissions directed at University personnel by a student in order to improve the academic or financial standing of any student at the University.
- Plagiarism is the fraudulent presentation of another person's ideas or work as the student's own, or the presentation of the student's own previous work as new and original.
 - When a student, whether by accident or design, does not properly acknowledge sources in any academic assignment where original work is expected, that student is stealing the ideas and effort of another.
 - For all assignments completed entirely or in part out of class, the instructor reserves the right to interview the student about the work to verify authorship. A student who is unable to demonstrate a basic understanding of the submitted work will be reported for academic dishonesty and an appropriate penalty will be applied.

Consequences of Academic Dishonesty

The penalty for the first reported offense of academic dishonesty will be determined by the instructor and may

result in a reduced or failing grade on the work/test, failure in the course, or other appropriate penalty. Upon a first report of dishonesty, the student is also required to complete an online Academic Integrity Tutorial. A charge for the tutorial will be applied to the student's Business Office account. For undergraduate students, a second offense will result in failure of the class, and a third offense will lead to expulsion from the university. Graduate students will be expelled after a second offense is reported.

Any questions concerning this policy should be directed to the Associate Provost, Academic Operations and Student Success who maintains confidential records of academic dishonesty reports. These records are accessible only to limited personnel in the office of the Provost and are not linked to the student's academic or financial records at the University. Beginning Fall 2023, to ensure compliance with NCAA policies, information about academic integrity cases involving NCAA athletes (to include only the student name, sport, charge and brief summary) will be shared with the Assistant Athletic Director for Academic Success and Development.

Dismissal

The university reserves the right to dismiss a student who fails to adhere to university academic and social standards at any time. Students can be dismissed for any of the reasons outlined below:

(1) The student is unable to meet academic standards for the university or specific academic program. (2) The student's continuance at the university is considered a danger to the student's own health or well-being or the health or well-being of others. (3) Lindenwood University supports an environment of respect for the dignity and worth of all members of the Lindenwood community. Students may be dismissed for failure to uphold the social standards and regulations of the university. Violations include but are not limited to:

- Harassment
- Bullying
- Bias incidents
- Sexual Misconduct
- The use of improper language
- Failure to respect campus authority
- Aggressive or inappropriate actions directed toward university employees, external partners of the university or other students
- Disruptive behavior within the campus or classroom setting

- Failure to adhere to any other relevant student conduct policy as outlined in the Lindenwood Student Guidebook.

Students dismissed from the university in the middle of a term will be withdrawn from the classes in which they are enrolled and will not be allowed to complete classes in which they received an Incomplete (I) grade in previous terms.

If expelled or dismissed from the university, a student is still responsible for all tuition, room, board, and other charges incurred for that term, subject to the withdrawal and refund policies set forth in the University Academic Catalog.

Academic Honors

Dean's List

Following the end of the fall and spring semesters, the provost announces the names of undergraduate students who were enrolled full-time and achieved a grade point average of 3.5 or above.

General Honors

The Lindenwood faculty awards general honors to those undergraduate students who have completed all degree requirements with academic distinction. In order to be eligible for general honors, a student must have completed a minimum of 50 credit hours in residence at Lindenwood University. (Transferred credits and experiential learning credits do not count toward in-residence credit hours.) Students whose Lindenwood cumulative grade point averages fall within certain ranges are eligible for honors as follows:

- The student who achieves a cumulative grade point average between 3.70 and 3.85 receives the degree cum laude.
- The student who achieves a cumulative grade point average between 3.86 and 3.93 receives the degree magna cum laude.
- The student who achieves a cumulative grade point average of 3.94 or above receives the degree summa cum laude.

Service Learning Honors

Students who acquire 500 hours of qualified community service will receive a designation on their permanent academic transcript to recognize their achievement. In addition, they will receive special recognition in commencement publications and receive a service cord that they can wear at graduation. When entering Service Hours, it is critical that in the Description field, that you state exactly what you were doing. You must also include the name of the agency and a contact person so that the hours can be verified. Graduating seniors must have

achieved 500 documented, approved hours by March 1 of each year to allow time for verification and inclusion in commencement publications (July 1 for August conferral; November 1 for December conferral). Click here to learn more about the criteria to satisfy the requirement. Contact the Office of Service Learning and Responsible Citizenship at servicelearning@lindenwood.edu if you have any questions.

University Honors Academy

The Honors Academy provides an enriched experience for undergraduate students who want to be part of an engaged community of scholars. The Academy challenges students to go beyond regular undergraduate requirements and cultivate depth and breadth in their education.

The Honors Academy offers undergraduate students from all majors a distinctive opportunity to be recognized for excellence in their coursework. Upon graduation, these students earn University Honors. Graduating with University Honors is the highest recognition Lindenwood awards at graduation. This achievement is announced at graduation and recipients wear Honors cords at commencement. “University Honors” also appears on the student’s diploma and transcript. Acceptance into the Honors Academy is by application only. First-year students, transfer students, current students, and returning students with minimum cumulative GPAs of 3.5 are eligible to apply. At time of application, current students are also required to have a minimum of four semesters left to degree to have ample time to complete the 24 Honors credit hours required for University Honors. Students must be formally admitted to Lindenwood University to apply for admission to the Honors Academy.

There are two types of Honors courses. In Honors-designated courses, every student is automatically enrolled for Honors credit. A student must earn a final grade of AH or BH to receive Honors credit in these courses. In addition, any undergraduate course may be taken for Honors credit with the permission of the instructor. To earn Honors credit in a regular undergraduate course, students and instructors must agree on a project that enhances the course and makes it equivalent to an Honors course. To earn Honors credit for this type of a course, students must complete the Honors Course Agreement and earn a final grade of A.

To graduate with University Honors, a student must earn at least 24 Honors credit hours at various course levels and have an overall university GPA of 3.5 or above. The 24 Honors credit hours may include up to 12 credit hours of Honors transfer credit. Acceptance of transfer credit toward the completion of a student’s Honors credit requirement is at the discretion of the Honors Academy

Honors Academy students who do not maintain at least a 3.5 university GPA and/or are not completing Honors courses or courses for Honors credit every academic year

may be removed from membership at any time at the discretion of the Honors Academy.

Academic Procedures

Transferring Credit

Transferring Credit while a Lindenwood Student

A student at Lindenwood who wishes to take courses at another college or university while pursuing a degree at Lindenwood must first obtain permission for the transfer of these courses from the student’s academic advisor, the dean of the college in which that course resides, and the registrar. A Prior Approval form may be obtained from the Office of Academic Services. Credits accepted in transfer do not affect the student’s grade point average at Lindenwood University.

Transferring Credit from U.S. Institutions

New students wishing to transfer credit from a regionally accredited university should submit official transcripts from each university attended to the Office of University Admissions. Evaluation of transfer credit will be made by Academic Services. For the evaluation of credit, official transcripts must be sent directly from the U.S. institution to Lindenwood University.

For more information regarding the transfer of credit go to *Admission, Application, and Fees & Financial Assistance*. (p. 20)

Transferring Credit from International Institutions

Students with transfer credit from an international institution must submit official transcripts from the international university attended to University Admissions by uploading with their application or emailing internationaladmissions@lindenwood.edu. The transcripts must be in their original language and must be accompanied by a certified English translation, provided by the student.

Applicants should contact ECE at www.ece.org or WES at www.wes.org for more information about how to get transcripts evaluated. Students should list Lindenwood University as the recipient of the transcript evaluation. WES will also provide a copy of the evaluation directly to the applicant. The applicant should keep this copy.

Note: Evaluations or translations of transcripts from companies other than WES are not accepted by the university and will not be considered.

The transcript translation documents will not be returned to the student. The transcript and the translation will become part of the student’s official file at Lindenwood University. If the applicant intends to transfer credits into an undergraduate program, the applicant will incur the cost for the evaluation. For further information regarding the

transfer of international credit, please contact internationaladmissions@lindenwood.edu.

For more information regarding the transfer of credit go to *Admission, Application, and Fees & Financial Assistance*. (p. 41)

Academic Renewal

Academic Renewal allows returning students to remove previous course work from calculation of their GPA after an extended absence. A returning student seeking to resume a program of study or begin a new program of study after a prolonged absence is eligible for Academic Renewal under the following conditions:

- The student must have been absent from the Lindenwood University system for at least three consecutive academic years.
- The student must not have obtained a degree at Lindenwood or any other institution of higher education in the years between taking leave from Lindenwood and applying for academic renewal.
- The student must declare a major or program of study.
- The student must be enrolled in and complete at least one academic term at full-time status, earning a minimum undergraduate GPA of 2.5 or graduate GPA of 3.5 before applying for Academic Renewal.

In addition to the conditions outlined above regarding student eligibility, Academic Renewal is subject to the following conditions:

- Academic Renewal can only be applied once.
- Academic Renewal can only be applied to academic terms completed prior to the student's leave of absence.
- Academic Renewal can only be applied to courses taken at Lindenwood University.
- For undergraduate students, up to three terms can be selected for Academic Renewal; for graduate students, up to two terms can be selected.
- Once implemented, the Academic Renewal cannot be removed.
- Students approved for Academic Renewal are subject to the degree requirements listed in the catalog that is active at the time they are reinstated.
- No course from a term selected to be removed from GPA calculation can be used to satisfy an academic requirement (e.g., toward graduation, prerequisites, or certifications).
- All courses from terms will be removed from calculation of the student's GPA regardless of the grades earned. However, these courses will not be entirely erased. All courses taken by the student will

still appear on their transcript. A note will appear on the student's transcript for each redacted term.

- A student may not apply for Academic Renewal in their final semester.

Students considering applying for Academic Renewal must inform an academic advisor of their intent to do so. The advisor will consult with the student regarding which academic terms to remove from calculation of the student's GPA. The student should submit a petition for Academic Renewal to the Office of Academic Services signed by the student's academic advisor and college dean. The student will be notified of a decision within 30 days of submission of the petition.

Notes: (1) Applying for Academic Renewal can affect a student's eligibility for financial aid. Students are encouraged to contact the Office of Student Financial Services (sfs@lindenwood.edu) before applying for Academic Renewal.

(2) Students on the GI Bill® should contact the VA certifying official before applying for Academic Renewal.

Grading System

Lindenwood University operates under the 4.0 grading system. The grade point average is computed by dividing the total number of quality points earned by the total number of semester hours attempted. An A carries four quality points; thus, a course worth three semester hours in which a student earned an A would merit a total of 12 quality points. A grade of B carries three quality points; a grade of C carries two quality points; and a grade of D carries one quality point. A grade of F or AF (attendance failure) carries no quality points and no credit. Only grades earned at Lindenwood are used in computing the GPA.

A grade of A represents work of outstanding quality; it indicates that the student has shown initiative, skill, and thoroughness and has displayed originality in thinking. A grade of B is awarded for work of high quality, well above average. The grade of C indicates average work and satisfactory completion of course requirements. The grade of D indicates minimally satisfactory completion of course requirements. A grade of F or AF indicates unsatisfactory coursework, and no credit is given.

Note: Honors courses will indicate in the course title that the student completed the course for honors credit and/or the student will receive an AH which equals a grade of A with Honors.

Attendance Failure (AF)

A student is given this grade if they stop attending a particular class prior to the published deadline to receive a grade of W but does not withdraw from the course. The grade of AF is treated as a grade of F in the calculation of the student's grade point average.

Audit (AU)

A student may enroll in any lecture course as an auditor. Students are not permitted to audit skill courses such as studio or laboratory courses involving extensive supervision by an instructor. Auditors will be expected to attend all classes. No credit may be earned or later claimed by a student who audits a course. A student has one week into a regular term and two class meetings into a summer session to make a change in registration to audit a class or to take it for credit. The audit fee is 50 percent of the posted tuition for a course.

Incomplete (I)

A grade of I (incomplete) is given at the end of a term only for incomplete coursework due to exceptional circumstances beyond the student's control, such as an extended illness, hospitalization, or death of a close relative requiring absence from class for a significant period. When assigning an incomplete grade, the professor should consider whether the student is capable of successfully completing the course. Incompletes should be offered only toward the end of the term for students who were progressing satisfactorily in the class before the exceptional circumstances arose.

A grade of I (incomplete) must be resolved prior to the end of the subsequent term; otherwise, the incomplete will be converted to an F. Any request to extend the time needed to resolve the grade of incomplete must be submitted to the Office of Academic Services no later than two weeks before the date the grade is due. Requests will then be sent to the appropriate college dean and the assistant provost to be considered for approval.

No Grade (N)

An administrative grade of N is assigned by the registrar when final course grades have not been submitted prior to making grades accessible to students. Under normal circumstances, the N grade will be cleared within two weeks after the end of the term. Faculty members are not authorized to submit a grade of N.

Pass/Fail (P/F)

Some academic activities such as practica, internships, residencies and thesis projects are graded on the basis of pass/fail. In these cases, the grade of P denotes successful completion of the assigned requirements for the aforementioned academic activity courses.

Satisfactory/Unsatisfactory (S/U)

A grade of S indicates that a student completed satisfactory work in an academic activity. This grade does not have points associated with the course and will not be included in computation of the grade point average. A grade of U indicates that a student completed unsatisfactory work in an academic activity. This grade does not have points

associated with the course and will not be included in computation of the grade point average.

Withdrawal (W)

A grade of W indicates that the student withdrew from a class with no effect to the student's GPA. To withdraw from a course with a grade of W, students must complete, sign, and submit a withdrawal form before the last day to withdraw with a W, with the signature of the academic advisor. The deadline to withdraw is set at the two-thirds mark of the term.

The only circumstance in which the student will not be charged for a course is if the student never attends a class session. If the student attends one class session or more, the student will be charged a determined percentage of the course's tuition cost. The percentage applied to the student's account depends on how many classes the student attends and the withdrawal date. For further information, please contact either the Student Financial Services or the Office of Academic Services.

Note: A student who is a first responder may elect to withdraw from a course with a grade of W at any time during the term if documentation is provided verifying that the student's first responder duties were the cause of absences exceeding the number of allowable excused absences. This policy applies to academic withdrawal only.

Administrative Withdrawal

When it is in the best interest of a student or of Lindenwood University for a student to withdraw, a student may be given a W and put on administrative hold. This action of administrative withdrawal results in removal of all credits associated with the affected classes and places the student on administrative suspension. Before re-enrolling at the university, the student on administrative suspension must write a letter of appeal to the Associate Vice President, Student Affairs at studentaffairs@lindenwood.edu. An administrative withdrawal does not affect the student's grade point average.

Adding, Dropping, and Withdrawing from Courses***Adding Courses***

Within the first week of a semester, a student may add or drop classes via the student portal without having to obtain the signature of a faculty member. Students may not add a course via the student portal after 5 p.m. on Friday of the first week of the term. Students may add a class during the second week of class only under extenuating circumstances and with signatures of the course professor, dean of the appropriate college, and the registrar. A Petition for Policy Exemption is required in addition to a drop/add/enrollment form to add a course after the deadline.

Dropping Courses during Week One

During the first week of a term, a student can drop classes through the student portal without requiring an advisor's

signature. Importantly, no W grade will be recorded on the student's transcript for the dropped class; instead, it will be marked as "never attended".

Withdrawing with a Grade of W

To withdraw from a course with a grade of W, students must complete, sign, and submit a withdrawal form before the last day to withdraw with a W, with the signature of the academic advisor. The deadline to withdraw is set at the two-thirds mark of the term.

Late Withdrawals

Late withdrawals will be approved only under extreme, documented circumstances. A late withdrawal requested due to a low grade in the class, lack of interest in the subject matter, a different learning style from that of the classroom professor, or a change of major/requirements will not be granted.

If a student believes that extraordinary circumstances require withdrawing from a class after the deadline, the student must complete the following steps:

- Write a letter fully specifying the reasons for the withdrawal.
- Gather supporting documentation (physical report, court documents, hospital documents, etc.).
- Meet with the academic advisor for a signature on a Petition for Late Withdrawal.
- Meet with the dean of the college for a signature on the petition.
- Submit the signed petition, along with the letter and documentation, to the associate provost or registrar.
- If approved for a late withdrawal, the student will receive a W.

Notes: (1) Students are not permitted to withdraw from a course to attend another course if the second course has already had two class meetings.

(2) A student who is a first responder may elect to withdraw from a course with a grade of W at any time during the semester if documentation is provided verifying that the student's first responder duties were the cause of absences exceeding the number of allowable excused absences. This policy applies to academic withdrawal only.

(3) Calculation of the return of Title IV aid will be based on the last date of attendance for the term. This may result in a balance due to the university for which the student will be responsible.

(4) Petition for Late Withdrawal may be denied based on implications of the financial aid cycle.

Repeating a Course

An undergraduate student may repeat any course in which they earn a grade of C or lower. Only the highest grade earned will be used in the calculation of the grade point average. Repeating a course does not remove the previous

grade from the transcript. Additional credit hours are not earned when a student repeats a course. A student's eligibility for federal financial aid may be affected if they choose to repeat a course. The university is under no obligation to offer a course aside from its usual schedule to accommodate a student repeating the course.

Appealing Grades

Students who wish to appeal a final grade must first contact the course instructor. If the matter cannot be resolved through the instructor, the student may appeal in writing to the appropriate college dean. If resolution is not reached at that time, the student may appeal in writing to the provost. An Academic Grievance Committee may be convened to review a grade appeal before a recommendation is made to the provost for review.

Information concerning these procedures is available through the Provost's Office. Notice of intent to file a grade appeal must be made in writing to the appropriate college dean or assistant provost within six weeks of receipt of the grade. Changes under this procedure will be made only during the term immediately following the term in which the disputed grade was given.

Lindenwood University shares information from students' formal written complaints with the Higher Learning Commission as part of its normal accrediting process. This information is shared in such a manner as to shield all individual identities of complainants. No letters or documents revealing the identities of individual complainants will be shared without the express written permission of the complainants.

Leave of Absence (LOA)

Lindenwood University allows students to take a Leave of Absence for one academic semester. The Leave of Absence involves a notification process that requires submission of the Leave of Absence form to the SASS office along with attached supporting documentation from qualified/appropriate sources. Individuals in a Leave of Absence status do not intend to make academic progress toward the completion of their degree. Students must be enrolled at least half-time for one term (6 credit hours for undergraduate and 3 credit hours for graduate) and complete at least one term successfully prior to applying for a Leave of Absence. Students must be in good academic standing and making satisfactory academic progress within the parameters set in the university catalog. Taking a leave of absence means you agree not to take classes at any other higher education institution during your leave. Reasons for a leave of absence include (but are not limited to):

- Medical issues (physical or mental)
- Family circumstances such as death, pregnancy or parental leave

- Circumstances regarding someone you aren't related to but are close to
- Financial concerns
- Military service

A leave of absence could have implications to your financial aid up to and including going into repayment if you have student loans. Students are encouraged to speak with their financial aid counselor to discuss Title IV implications as a result of an LOA.

When returning from a Leave of Absence, students can begin the reentry process with their advisor. Students returning after the leave of absence period has expired must be readmitted to the university by submitting a new application to the Office of University Admissions. Upon review of the new application, the admissions office will update the student's profile in preparation for their return to Lindenwood. Students not enrolled for one calendar year and eligible to return to Lindenwood will do so under the current catalog of re-entry and will be directed to contact their advisors to enroll once the readmit process has been approved.

Readmission for Service Members

Readmission for Service Members

Students may be temporarily unable to attend classes or be required to suspend their studies in order to perform military service. Lindenwood University encourages such students to resume their education once a military service obligation has ended and adopts this policy to ensure the timely readmission of such students.

In accordance with federal regulations, 34 C.F.R. § 668.18 and the Department of Defense (DoD) Voluntary Education Partnership Memorandum of Understanding (MOU), the university will promptly readmit servicemembers who seek readmission to a program that was interrupted due to a uniformed service obligation.

This policy shall apply to: (1) servicemembers who are unable to attend classes for more than 30 consecutive days; and (2) servicemembers who are unable to attend classes for less than 30 days when such an absence would result in a withdrawal from the university.

A student is eligible for readmission under this policy if, during an absence, the student performs uniformed service, voluntary or involuntary, in the Armed Forces, including the National Guard or Reserve, active duty, active duty for training or full-time National Guard (under federal authority). The cumulative length of all absences for uniformed service (service time only) must not exceed five years.

A student must provide oral or written notice of a uniformed service obligation to the Office of Veterans Affairs as far in advance as possible, unless precluded by

military necessity. Such notice does not need to indicate when the student will return to the university.

The student must also give oral or written notice of his/her intent to return to Lindenwood University within three years after the completion of the period of service. Immediately upon the student's return to school, the student must provide notice that he/she may be entitled to the tuition and enrollment benefits outlined in this policy. The returning student may be required to provide supporting documentation.

Notification under this section must be provided, by the student, to the Office of Veterans Affairs VAquestions@lindenwood.edu or 636.627.2922

A returning student readmitted to the same program must be charged the same tuition and fees in effect during the last academic year the student attended, unless veterans' education benefits or other servicemember education benefits will pay the amount in excess. For a student admitted to a different program, and for subsequent academic years, the returning student may not be charged tuition and fees in excess of what other students in the program are charged.

A returning student will be permitted to reenroll in the next class(es) scheduled in the same academic program, unless the student requests a later date of reenrollment or agrees to a different program. A returning student will be readmitted into the same academic program the student was enrolled in prior to the military service obligation. If the exact program no longer exists, the student must be admitted to the program that is most similar, unless the student requests or agrees to admission to a different program. Returning students will be reenrolled with the same enrollment status, number of completed credit hours, and academic standing as the last academic year of attendance. If the student is returning to a cohort program, the university will coordinate with the student to determine an appropriate reentry date to ensure the student can successfully resume their studies.

If the university determines that a returning student is not prepared to resume the program or is unable to complete the program, the university must make reasonable efforts to enable the student to resume or complete the program at no additional cost to the student. If such efforts are unsuccessful or place an undue hardship on the university, the university is not required to readmit the student.

In accordance with federal regulations, returning students who receive a dishonorable or bad conduct discharge from the Armed Forces (including the National Guard and Reserves) are not eligible for readmission under this policy. However, servicemembers who receive dishonorable or bad conduct discharge may remain eligible for readmission even though they will not be entitled to the benefits outlined in this policy.

Students who have been away less than one calendar year may complete a Returning Student Form and work with the Office of Veterans Affairs and their Academic Advisor to enroll in courses.

Students who have been away more than a calendar year will need to apply for re-admission to jumpstart the process and will work with the Office of Veterans Affairs and their Academic Advisor to complete a Catalog Revert Application if needed.

Please direct any questions about this policy to the Office of the Provost.

*Policy added after publishing — July Addendum — 7/15/2024. ***

Advanced Placement (AP Credit)

Lindenwood University accepts Advanced Placement (AP) credit earned in most areas of study. Students who take AP exams should request scores to be sent to the Office of Academic Services for an evaluation of credit. Credit will be awarded based on the score received (3-5) and approval of the academic college affected.

Earning Credits for Prior Learning and Experience

Earning Credit by Examination

Internal Examination

In addition to the standardized CLEP/DANTES exams described below, students may seek credit for (or waiver of) university coursework by means of taking and passing internally administered proficiency exams. Students should approach their respective departments to learn more about the proficiency exams that have been created for this purpose within their college. A student who passes an internally administered proficiency exam may (1) request to have the course waived, in which case no credit will be granted or (2) request credit for the exam and have the appropriate credit posted to the transcript for a fee of \$100 per credit hour. In this case, the student's cumulative grade point average is not affected because only credit (no grade) is recorded for a course completed in this manner.

External Examination (CLEP or DANTES)

Lindenwood University accepts College Level Examination Program (CLEP) and Defense Activity for Non-Traditional Education Support (DANTES) credit earned in several areas of study. Lindenwood students who take CLEP or DANTES exams should request official score reports be sent to the Office of Academic Services for an evaluation of credit. Credit will be awarded based on the current minimum score matrix available on the university's Academic Services webpage and approval of the academic college affected.

Effective July 1, 2023, students no longer pay a per credit hour posting fee to receive credit for CLEP or DANTES

exams completed on or after July 1, 2023.

Notes: (1) Students may not use CLEP and/or DANTES credit in the place of the following requirements or courses: student teaching, internships, studio courses, laboratory courses, or private music lessons.

(2) Students may not receive credit for courses they have previously audited or attended unofficially.

(3) CLEP and/or DANTES credit will not be awarded to non-native English speaking students who complete a CLEP exam in their native language.

(4) Lindenwood University does not currently administer College Board Examinations; the student must arrange to have test results sent directly to Lindenwood for evaluation.

(5) Students may only earn up to 27 credit hours of experiential learning from all sources. Credit earned from CLEP and/or DANTES examinations is included in the 27 credit hour experiential learning credit limit.

Missouri Seal of Biliteracy Policy

Students who have earned the Missouri Seal of Biliteracy may receive up to 12 hours of college credit. Six of the credits awarded through this process will be accepted as Foreign Language coursework within Lindenwood's General Education curriculum (GE-HC: Foreign Language / Human Diversity).

The number of credits granted will be determined by the score attained and by the specific assessment used to confer the Seal at the granting school:

- STAMP4S Exam: With a score of at least Intermediate Mid in all test areas, 6 hours of credit; with a score of at least Intermediate High in all test areas, 9 hours of credit; with a score of at least Advanced Low in all test areas, 12 hours of credit.
- AAPPL Exam (ACTFL Assessment of Performance toward Proficiency in Languages): With a score of at least Intermediate 3 in all test areas: 6 hours of credit; with a score of at least Intermediate 4 or 5 in all test areas: 9 hours of credit; with a score of at least Advanced: 12 hours of credit.
- Other exams may be accepted dependent upon available subject matter expertise in the relevant language(s).

Transcription fees for credits awarded will be waived.

Note: Students who have earned the Missouri Seal of Biliteracy in Spanish and wish to continue their Spanish coursework at Lindenwood University must take the University's Spanish placement test (online and at no cost to students) to determine at which level they will continue their Spanish language study.

Experiential Learning

For some students, professional experience or life experience may be accepted as university credit and be recorded as such onto the student's Lindenwood transcript. Credit earned in this fashion is referred to as credit for experiential learning.

The following skills or experiences may be considered equivalent to university credit for purposes of receiving experiential learning credit:

- Professional skills acquired on the job.
- Participation in business seminars.
- Experience in community affairs.
- Professional training in particular fields.
- Non-credit-bearing coursework that contain academic content.

Notes: (1) Credit is awarded only for university-level knowledge and the learning gained from the experience. Experiential learning credit is not granted for non-university level learning, having completed routine professional tasks, having acquired outdated or forgotten knowledge, or for private experiences.

(2) Limits for experiential credits earned may be imposed on the acquisition of such credit for certain technical skills and specialties.

(3) Credit is not given for learning that duplicates a university course the student has already taken.

Students may request to receive up to 27 hours of credit for experiential learning, depending on the requirements of their degree programs. The total number of credit hours awarded for experiential learning may vary according to the time spent on particular activities and the nature of the learning experience. Some national and state certifications and licensures may be eligible for more than 27 hours based on industry standards and levels of assessed learning.

Students may satisfy some of the requirements for their majors through experiential learning credit; however, a student must complete the greater of 18 credit hours or 40 percent of all coursework toward the major must be taken at Lindenwood University.

Note: Lindenwood cannot guarantee how any other university might interpret transfer credit earned from the Experiential Learning Credit program.

Experiential Learning Not Requiring a Portfolio

Students having the experience or credentials below may apply for experiential learning credit without submitting an additional portfolio of supporting documentation. (Any documentation that is required for the final approval of credit is listed along with each item below.) The application for university credit for the following

credentials will be evaluated upon presentation of proof of the required certification or transcripts.

The American Council on Education (ACE): Lindenwood University accepts the recommendations for credit as set by (ACE). To earn experiential learning credit, the student must provide the ACE transcript or certificate verifying that the experience or training is or has been recognized by ACE.

- Certified legal assistant: Up to 24 hours of credit may be awarded. Copy of certificate required.
- Certified professional secretary in selected business and economic areas: Up to 14 hours of credit may be awarded. Copy of completion certificate required.
- Emergency Medical Technician (EMT-B): Up to nine credit hours may be awarded for the completion of training and certification for EMT. Student must present official current license.
- Information Technology Certifications: Up to 27 credit hours may be awarded for current certifications from ITIL, Cisco, Microsoft, CompTIA, EC Council, copy of certification or official transcript required.
- Life insurance license (completion or training) and certification for life insurance licensure: Up to three hours of credit may be awarded. Students may be eligible for an additional three credit hours in an area of specialization. Copy of license required.
- Medical Laboratory Technician (MLT): Official transcript from accredited school of MLT or school of radiology and completion of an accredited course of medical laboratory science required.
- Nursing (RN-BSN Track): Thirty-two (32) credits will be granted to students entering the RN-BSN nursing degree track based on the candidate's professional experience as a licensed registered nurse. Proof of current and unencumbered registered nurse licensure in the state of declared primary residency is required for admission to this track and before awarding credits. A \$250 administrative fee is charged instead of a per-credit cost for experiential credit. All students in this track will be charged the fee regardless of how previous nursing education credit was obtained.
- Paramedicine: Forty-five (45) credits will be granted to students entering the paramedicine degree (experienced track) based on the candidate's professional experience as a licensed paramedic. Proof of current national registry or state paramedic license is required for admission to this track, and prior to awarding credits. A \$500 administrative fee is charge in lieu of a per credit charge for experiential credit. All students in this track will be charged the fee regardless of how previous paramedic education credit was obtained.

- **Radiologic Technology:** Up to sixty (60) credits may be granted with successful completion of the national license exam, becoming certified, and registered with the American Registry of Radiologic Technologists (AART). Proof of licensure and registry are required before awarding credits. A \$500 Radiologic Technology Credit Transfer Fee is charged instead of a per-credit cost for experiential credit.
- **Real estate broker's license:** Up to three hours of credit may be awarded. Copy of license required.
- **Real estate sales license:** Up to three hours of credit may be awarded. Copy of license required.
- **Respiratory Therapist (RT):** Up to 12 hours of credit may be awarded for the completion of training and certification in respiratory therapy. Official transcript from accredited school of RT required.
- Up to 27 Lindenwood experiential credit hours may be awarded to undergraduate students who have completed a certified police officer training academy. After submitting police academy training certificates along with transcripts verifying contact hours, students will be awarded Lindenwood credit hours as follows:
 - 200 - 499 Academy contact hours = 12 Lindenwood credit hours awarded
 - 500 - 799 Academy contact hours = 15 Lindenwood credit hours awarded
 - 800 - 899 Academy contact hours = 21 Lindenwood credit hours awarded
 - 900 and above Academy contact hours = 27 Lindenwood credit hours awarded

Hours for In-Service training are not accepted, and experiential learning credit will only be applied as free electives and not toward any requirements for the Criminology and Criminal Justice (CCJ) program of study unless a given student has declared CCJ as the minor. For students who have graduated from an academy with 900 or more contact hours, a total of 15 credit hours may be applied toward the police academy emphasis area of the CCJ degree. The remaining credits will apply toward experiential learning free electives. Additionally, credits will not be applied retroactively, meaning students who complete a police academy training program, while enrolled, as a student at Lindenwood University, will not satisfy the experiential learning credit requirements. Experiential learning is reserved for those who have completed services and gained experience in the appropriate area. However, students may enroll in the St. Louis County and Municipal Police Academy partnership course and earn 15 credit hours of the police academy emphasis area of the CCJ degree, even if the student chooses to attend a separate accredited police academy, as described above for the emphasis area.

- **Stockbroker's license completion of training and certification for a stockbroker's license (series 6 or 7):** Up to six hours of credit may be awarded. Copy of completion certificate required.
- **Certified Surgical Technologist (CST):** Up to thirty (30) credits may be granted with successful completion of the National Board for Certification for Surgical Technology and Surgical Assisting (NBSTSA). Proof of certification is required.
- **YMCA leadership development courses:** Up to five credit hours may be awarded. Submission of YMCA transcript required.

Training courses offered by specific companies or corporations may also be awarded credit for experiential learning. For a list of these companies and eligible courses, check with the registrar or the experiential learning coordinator.

Students who wish to have experiential learning credit posted to their Lindenwood transcript must pay a fee of \$100 per credit hour. Credit will not be applied to the transcript until the fees are paid.

The following organizations have agreements with the university that permit the application of experiential learning credit as follows:

- **Military Service:** Students seeking an experiential learning award for military experience, formal courses taken in the military, or for proficiency in a military occupational specialty must provide official military records. Military credits are posted to a student's transcript at no charge, based on the recommendations of the American Council of Education. For credit derived from military experience or from formal courses taken through the military, veterans should submit a DD Form 95, DD Form 214, Joint Services Transcripts, depending on the branch of the military, or a transcript of in-service training.

Experiential Learning Requiring a Portfolio

If the student does not have one of the professional credentials listed on these pages or does not have credit from a course that is specifically listed as being accepted for experiential learning credit, that student may be required to create a portfolio in order to earn university credit for the experience before that credit is posted to the student's Lindenwood transcript.

The portfolio must validate the student's experience by providing proof (by certificate, diploma, syllabi, letters of testimony, and/or samples of work accomplished) that such experience led to university-level knowledge. An essay describing the knowledge gained in the learning experience must accompany all other documentation provided.

The experiential learning coordinator will help the student develop a portfolio. The coordinator will identify potential

experiences that may be posted to the student's transcript as university credit and discuss the organization of the portfolio with the student.

Students wishing to receive experiential learning credit in their majors must apply for this credit before taking courses in their majors. Once the portfolio has been approved, the student will be charged a portfolio fee of \$310 plus \$100 per credit hour. Credit will not be applied to the transcript until payment is received. Financial aid may be applied to experiential learning, but the student must be enrolled in classes at the time the request for funding is made.

Earning Graduate Credit as an Undergraduate Student

With the approval of the dean of the appropriate college, traditional day undergraduate students may take up to 9 credit hours at the graduate level during their senior year at no additional charge. These hours will count toward a graduate degree if one is ultimately pursued but not toward the student's undergraduate degree. Under this option, the student must be enrolled in at least 12 credit hours at the undergraduate level for each semester that the student is taking graduate credit and have a minimum undergraduate 3.0 GPA. A maximum of 6 graduate credits may be earned per semester. Students in the early access program must maintain a 3.0 in all master's credits.

Note: Some LU colleges may have additional requirements for admission to their Early Access programs. Please review the college-specific section of the catalog for more information.

Preparing for Graduation

Students are responsible for tracking their own academic progress and eligibility for graduation. Specifically, in order to track the progress through a degree, each student must maintain a checklist of all requirements, including major and minor requirements, general education requirements, free electives, number of courses completed at or above the 3000-level, and total number of credit hours completed. The academic advisor will confirm that all degree requirements have been met; however, ultimate responsibility for tracking the student's progress through a program and assuring that all degree requirements for graduation are met lies with the student. Only the provost and the registrar have the authority to certify that all requirements for graduation have been fulfilled and post a notification of degree completion on a student's transcript.

In addition to tracking their own progress through academic programs, students must submit an Application for Degree. This form is available in the student portal to submit online to the advisor. The application must be signed by the student and the student's academic advisor and be submitted to the Office of Academic Services at academicservices@lindenwood.edu. Failure to submit an

application by the appropriate deadline may postpone the posting of the student's degree.

The recommended application deadlines are as follows:

<i>Conferral</i>	<i>Application Deadline</i>
March 30	January 15 of same year
May 30	February 1 of same year
August 15	June 1 of same year
October 30	September 15 of same year
December 30	September 15 of same year

Academic Services

Requesting Transcripts

All transcript requests must be placed via the online service provider. Students will have three options to select from this service, US Postal Service, electronic, or pick-up from campus. The cost of transcripts are \$9.50 per copy. Price per copy may change without notification.

Official transcripts are sent directly to a college, employer, or other agency and bear the university seal. Student copies may be sent directly to the student and are identified as such. The fee for either type of transcript is the same.

In accordance with federal law (The Family Educational Rights and Privacy Act), student transcripts are issued only at the written request of a student. A transcript will not be released without the student's signature appearing on the request. Transcript requests are not accepted by telephone or email.

A transcript is a picture of the student's complete record at Lindenwood University. Partial transcripts are not issued. Transcripts of work completed at other colleges must be obtained directly from those institutions.

Note: All information in each student's university record is considered confidential and is issued only to authorized individuals.

Requesting Grade Reports

Grade reports are available through the student portal, as are unofficial transcripts, class schedules, and information regarding ledger statements and financial aid. Because grade reports are available online to all students, Lindenwood University no longer mails grade reports to students.

Students who need a copy of their grades for employer reimbursement may print a copy from the student portal. If a student's workplace will not accept the printed copy, the student should submit a written request to Academic Services (academicservices@lindenwood.edu) and a copy

will be sent to the employer. The request must include the mailing address to which the report should be sent, student ID, term for which grades are requested, the signature of the student making the request, and a contact telephone number.

If students have any questions about their email accounts or their student portals, they can contact helpdesk@lindenwood.edu.

The Family Educational Rights and Privacy Act

In conformance with the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment), Lindenwood University has established a system to ensure that students have complete access to their educational records and the right to challenge information they believe to be inaccurate or misleading. Information about these procedures can be obtained from the Office of the Registrar. Unless specifically prohibited by the student, Lindenwood University may release “directory information” at its discretion for government-mandated reporting, news releases, and other purposes that it believes serve the student’s interest. This includes

- Full name
- Local and home addresses
- Local and home telephone numbers
- Email address
- Date and place of birth
- Most recent educational institution attended
- Enrollment status
- Class level
- Dates of attendance
- Degrees, awards, and honors received
- Participation in officially recognized activities and sports
- Weight and height of athletic team members
- Photographs

Students may withhold information from some of these disclosure requests by editing FERPA options within their student portal during the first week of each term. All requests for non-disclosure will be honored by the university for only one term; therefore, authorization to withhold student information must be filed during each term of attendance. Students have a right to voice any concerns to the U.S. Department of Education.

FERPA permits the disclosure of Personally Identifiable Information (PII) from students’ education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials,

disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student

- To other school officials, including teachers, within Lindenwood University system whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(3) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student’s enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U.S. comptroller general, the U.S. attorney general, the U.S. secretary of education, or state and local educational authorities, such as a state post-secondary authority that is responsible for supervising the university’s state-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of federal- or state-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§99.31(a)(3) and §99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))

- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- If it is information the school has designated as "directory information" under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against the student. (§99.31(a)(14))
- To parents of a student regarding the student's violation of any federal, state, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

Definitions:

- A "school official" is not defined in the statute or regulations, Lindenwood University interprets the term to include parties such as: professors; instructors; administrators; health staff; counselors; attorneys; clerical staff; board members; members of committees and disciplinary boards; and a contractor, volunteer or other party to whom the school has outsourced institutional services or functions.
- A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill a professional responsibility.

ACADEMIC REQUIREMENTS

Lindenwood University offers academic courses of study at the undergraduate level leading to a Bachelor of Applied Science, Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, and Bachelor of Social Work. Specific degree requirements are listed in the sections of the catalog that describe each degree program. In addition to standard degrees, contract degrees (interdisciplinary majors created by the student in conjunction with an advisor and the relevant college or departments) may be approved.

Areas of Study

Lindenwood University's definition of areas of study is below.

- **Major:** A major represents the primary field of specialization selected by a degree-seeking undergraduate student. A major requires a minimum of 30 credit hours in a subject area for completion. Required coursework can be offered by a single department or multiple departments. Majors include introductory coursework that may be part of the General Education program, as well as upper level coursework. All undergraduate students must complete a major in order to obtain a bachelor's degree from Lindenwood University.
- **Minor:** A minor represents a subset of a major. A minor requires a minimum of 15 credit hours in a subject area for completion. Required coursework can be offered by a single department or multiple departments. Minors include introductory coursework that may be part of the General Education program, as well as upper-level coursework. Coursework for a minor may also include coursework for a major in another field. Undergraduate students are not required to complete a minor in order to obtain a bachelor's degree from Lindenwood University.
- **Certificate:** A certificate represents a structured set of courses designed to provide students with specific skills suited to different potential careers. A certificate requires a minimum of 12 credit hours for completion and may include labs, internships, and/or clinicals. Only degree-seeking Lindenwood undergraduate students are eligible to earn an undergraduate certificate. ***Beginning Fall 2024, only the Human-Centered Artificial Intelligence (AI) Certificate may be pursued as a transcribed standalone certificate available to non-degree seeking students.***
- **Track:** A track is a predetermined course of study as outlined by a student's program major or minor.
- **Emphasis:** An emphasis is an additional set of courses or a course of study that is focused on one area of a major or minor.

Bachelor's Degree Requirements

The requirements for a bachelor's degree are as follows:

- Successful completion of a minimum of 120 credit hours (not including preparatory coursework, numbered 01000-09999), at least 42 of which must be earned in courses numbered 30000-level or higher.
- Successful completion of the requirements for one of the undergraduate majors offered by the university. The greater of 18 credit hours or 40 percent of the courses required for the major, and at least 40 percent of the courses required for a minor, certificate, emphasis, or track must be taken in residence at Lindenwood University.
- A minimum cumulative grade point average of 2.0 for all courses taken within the Lindenwood University system, as well as a minimum cumulative grade point average of 2.0 for all courses satisfying the student's major, minor, emphasis, track, or certificate, with at least the greater of 18 credit hours or 40 percent of the credits earned for the major, minor, emphasis, or track being earned within the Lindenwood University system. Overall cumulative GPA is a continuous representation of grades received for all courses taken within the Lindenwood University system.
- Successful completion of a total of 30 credit hours in residence at Lindenwood University, with the successful completion of the last 24 credits leading to a degree being taken within the Lindenwood University system.
- Successful completion of all general education (GE) course requirements for a bachelor's degree, including grades of C or higher in ENGL 15000/EPP 15000 and ENGL 17000 (whether taken at Lindenwood or accepted in transfer).

Notes: In addition to the requirements listed above, traditional undergraduate students who are first-time freshmen or transfer students with fewer than 24 credit hours of transferable credit who have not successfully completed a freshmen seminar course must enroll in and complete a First-Year Seminar course in their first semester at the university. Online freshman must complete UNIV 10100 during their first semester of enrollment.

Contract Degree Requirements

The contract degree program is designed to serve students whose educational or personal objectives cannot be met through one of the standard Lindenwood programs but for

which the university can provide faculty and other resources. The basic requirements for all bachelor's degrees shall be maintained, including the required 120 credit hours necessary for graduation and all applicable general education requirements. In addition, the student for whom a contract degree is created shall have completed at least 30 semester hours of credit at Lindenwood and be in good academic standing. Successful completion of the requirements for one of the undergraduate majors offered by the university. The greater of 18 credit hours or 40 percent of the courses required for the major, and at least 40 percent of the courses required for a minor, certificate, emphasis, or track must be taken in residence at Lindenwood University. Standard grading practices shall be maintained for the contracted degree student.

Procedures for creating a contract degree are outlined below.

- The student works with an advisor to develop a degree plan; both the student and the advisor will sign the proposed plan.
- The student submits the completed, signed plan to the college dean(s) for critique.
- Once the proposed contract degree has been approved by the advisor and college dean, the student submits the proposed plan to the registrar.
- The registrar submits the proposed contract degree to the Academic Processes Committee for review by the APC and the provost.
- The approved contract degree proposal is recorded and reported to the student and an advisor by the registrar within 30 days of the submission of the contract to the APC committee.
- Any changes of degree requirements by the student and/or advisor after initial approval nullify the contract.
- The up-to-date contract degree program is included in the student's file in the Office of Academic Services.

General Education (GE) Program

The purpose of the General Education Program is to initiate, develop, demonstrate, and integrate Lindenwood's Graduate Attributes within various areas of knowledge and study. The General Education Program prepares all graduates for personal success in a world of increasing complexity, innovation, and change.

GE Course Requirements

The table below summarizes the general education course and credit hour requirements for bachelor's degrees completed at Lindenwood. The requirements have been approved by the university. However, students should compare the requirements listed below against the particular GE requirements of their respective majors.

Some programs require a particular course for the completion of the general education requirements, and other colleges or departments have narrowed the list of courses required for GE credit within specific majors. Before selecting courses, students should consult with their advisor and the catalog for major-specific direction regarding general education requirements.

Students must complete at least three-credit-hours in each of the 14 areas below, for a total of at least 42 credit hours of general education coursework.

Students transferring into Lindenwood after completing the CORE 42 core curriculum at a Missouri institution will not be required to take further general education courses at Lindenwood, unless a general education course is also required for completion of a degree requirement. If a transfer student has taken some CORE 42 courses but has not completed CORE 42, individual courses that comprise the CORE 42 are guaranteed to transfer one-to-one, according to the MOTR (Missouri Transfer) Codes maintained by the Core Curriculum Advisory Committee of the Missouri Department of Higher Education and Workforce Development. However, transfer students who have not completed at least six credit hours of Human Diversity (HD) coursework must do so within major or elective coursework before graduation.

Courses Designated

Core

Composition I	GE-Communication ENGL 15000 or EPP 15000
Composition II	GE-Communication ENGL 17000
Math	GE-Math
U.S. Government or History	GE-Human Culture: U.S. History/Government

Natural & Social Science/Math

Social Science	GE-Social Science
Natural Science with Lab	GE-Natural Science with Lab
Social or Natural Science Elective	GE-Social Science or GE-Natural Science, GE-Natural Science with Lab
Social Science, Natural Science, or Math Elective	GE-Math, GE-Social Science, GE-Natural Science or GE-Natural Science with Lab

Human Culture

Arts	GE-Human Culture: Arts
Literature	GE-Human Culture: Literature
Human Culture Elective I (non-literature, non-arts)	GE-Human Culture: U.S. History/Government, World History, Foreign Language, Foreign Culture, Religion, Philosophy
Human Culture Elective II	GE-Human Culture (any)

Electives

GE Elective I	GE (any)
GE Elective II	GE (any)

Human Diversity *Note: Students may fulfill their GE-Human Diversity requirement with any course that meets a GE-Human Diversity requirement, including those that simultaneously fulfill another GE requirement.*

Human Diversity I	GE-Human Diversity
Human Diversity II	GE-Human Diversity

COURSES AND PROGRAMS

Course Numbering

Courses at Lindenwood are numbered sequentially.

- 01000-09999: Preparatory coursework, with credit hours not counting toward the cumulative total number of credit hours required to earn a bachelor's degree
- 10000-19999: Introductory courses open to all students, normally not having prerequisites
- 20000-29999: Specialized courses open to all students, which may or may not have prerequisites
- 30000-39999: Advanced courses which may or may not have prerequisites
- 40000-49999: Senior level courses normally having prerequisites
- 50000-59999 Graduate level courses; occasional senior level courses. Certain 3+2 or 4+1 programs may allow graduate level courses to satisfy undergraduate level degree requirements. See the individual programs for details.
- 60000-79999: Master's, Thesis, EdS, EdD, and graduate workshops
- 80000-99999: Doctoral level courses and graduate workshops

Course Offering Frequency

The schedule of course offerings is dependent on student enrollment and availability of qualified instructors. The university reserves the right to cancel any course when enrollment is below minimum requirements or a qualified instructor is not available. It is up to the discretion of the individual college of the timeline of when/how a course is to be offered. Students should contact their advisor if they have questions about when a specific course will be offered.

The enrollment limit and prerequisite(s) of a course may be overridden by a dean (or others who are designated signatories) of the college the course is within. The student will need to complete a paper enrollment form including the authorized signature of the dean allowing the override and the student's advisor. The form can be emailed to academicservices@lindenwood.edu for processing.

Course Instructional Method

Lindenwood at all times reserves the right at its sole discretion and determination to adjust, alter and/or otherwise change the methods and modes of course and/or instructional delivery and/or completion of students' education, in part or in whole, based on any number of

factors, and students acknowledge and agree to this possibility.**

*Updated after publishing – July Addendum – 07/09/2024***

Asynchronous Learning

An instructional approach that refers to learning that occurs when the instructor and the students all engage with the course content at different times (and from different locations). Asynchronous online learning is commonly facilitated by media such as e-mail and discussion boards, and is facilitated in a way that ensures regular and substantive interactions between learners and instructors, even when participants are not online at the same time.

Hyflex Learning

An instructional approach that combines on-ground (face-to-face) and online learning (on-ground, hybrid, & semi-hybrid courses) to provide regular and substantive interaction between students and instructors. Each class session and learning activity is offered in-person, synchronously online, and asynchronously online. Students can change their mode of attendance weekly or by topic, according to need or preference.

Synchronous Learning

An instructional approach that refers to all types of learning in which learners and instructors are in the same place (physical or virtual), at the same time, in order for instruction and learning to take place. This includes face-to-face classes and live online meetings when the whole class or smaller groups get together. Synchronous learning that occurs in online courses is often facilitated by media such as videoconferencing, shared documents, and live chat, and is facilitated in a way that ensures regular and substantive interactions between learners and instructors.

Student Requirements for Asynchronous, Hyflex, and Synchronous Learning

Hardware

- Computer with 2.58 GHZ or higher processor speed and at least 4 GB RAM.
- Webcam or camera on a mobile device.

Operating Systems

- Windows 7 and newer.
- Mac OSX 10.6 and newer.
- Linux - chromeOS.
- High-speed Internet connection (six Mbps or higher).

Software

- Microsoft Office 2016 or newer.
- Microsoft Office 365 is provided free of charge to all Lindenwood University faculty, staff, and students. Information on download and installation can be found at Academic Support Resources Information Technology Office 365.
- The latest version of Adobe Acrobat Reader or Preview to open and view .pdf documents.
- The latest version of Java.
- Mobile Operating Systems (Optional)
- iOS 10 and newer.
- Android 7 and newer.

Attendance

Attendance in an online course is based on submission of one or more academic activities, such as discussion board participation, quiz, exam, paper, or other graded assignment. Logging into a course, submitting the institutional ethics agreement, or submitting an introductory video does not constitute academic attendance.

Student Authentication and Video Content

Lindenwood takes academic integrity very seriously; therefore, compliance with student authentication requirements is a condition of enrollment in all online and hybrid courses. As per the Higher Education Opportunity Act (Public Law 110–315), student authentication is defined as “processes to establish that the student who registers for a distance education course or program is the same student who participates in and completes the program and receives the academic credit.”

The methods of student authentication incorporated into a particular course can be found in its syllabus. Examples include but are not limited to live or video proctoring, authentication technology, video assignments, video conferences, and extensive writing assignments.

To facilitate authentication measures, all students in any online or hybrid course must have ready access to a webcam or camera on a mobile device. Students who enroll in online or hybrid courses must also have a current photo, confirmed by a valid form of identification, within Lindenwood's student information system.

Students who refuse to complete initial authentication requirements by the end of the add period or who reject or refuse to complete the Ethics Agreement will be dropped from the course. Students who refuse to complete subsequent authentication requirements will be withdrawn from and charged for the course and subject to other financial consequences if the change moves them from full-time to part-time status. Authentication costs are

disclosed prior to enrollment via fees included in course schedules.

Distance-delivered Course

Courses in which **at least 75 percent** of the instruction and interaction occurs via electronic communication, correspondence, or equivalent mechanisms, with the faculty and students physically separated from each other. Requirements for coming to campus for orientation, testing, or academic support services do not exclude a course from being classified as distance education.

Distance Learning

Course in which **100 percent** of the instruction and interaction is provided through video conferencing. Class meets at a regularly scheduled day and time each week with the professor and classmates through a video conference classroom.

Hybrid Course

A hybrid course combines scheduled synchronous and asynchronous learning activities to provide regular and substantive interaction between students and instructors. A hybrid course usually has **fewer than 75 percent** of its activities occurring in a face-to-face format.

*Note: For VA: *Hybrid training must have at least one session that meets the definition of a standard class session (i.e. one 50-minute class,) but does not have to meet weekly.*

On-Ground Course

(Also called Face-to-Face or In-Person) An instructional method where **100 percent** of the course content and learning materials are delivered and is taught in person to a group of students, or in some cases to an individual student. This allows for synchronous interaction between a learner and an instructor who are physically located in the same physical environment.

Online Course

A type of ‘distance delivered course’ in which **100 percent** of the instruction and interaction for a particular course occurs via electronic communication, correspondence or equivalent mechanisms, where there is regular and substantive interaction between the students and instructor, and where the faculty and students are physically separated from each other. In an online course, there are no required face-to-face sessions and no requirements for on-campus activity.

Note: For VA, when a course is taken solely online, the course must be certified to VA as distance training.

Online courses might be assigned a lab fee (determined by each individual college) if they utilize a proctoring service for testing.

There is no limit on the number of online courses a semester undergraduate student can take per semester, except students with F-1 visas. For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one class or three credit hours per term, may be counted toward the full course of study requirement if the class is taken online or through distance education and does not require the student's physical attendance for classes, examination or other purposes integral to completion of the class. An online or distance education course is a course that is offered principally through the use of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave, satellite, audio conferencing, or computer conferencing.

Semi-Hybrid Course

A semi-hybrid course combines scheduled synchronous and asynchronous learning activities to provide regular and substantive interaction between students and instructors. A semi-hybrid course usually **has fewer than 50 percent** of its activities occurring in a face-to-face format.

Special Topics Course

Special topics courses, listed alphabetically according to department prefix (indicated here by "XXX"), are followed by a course number, as follows: XXX 09000-09999, XXX 19000-19999, XXX 29000-29999, XXX 39000-39999, XXX 49000-49999, XXX 59000-59999, XXX 69000-69999, XXX 79000-79999. These courses are offered to cover special topics within a college or department. Special topics courses may be worth one to six credit hours and may be repeated, in some cases. Departments may designate specific course numbers for special topics courses if the courses meet general education or major requirements. Lab fees may be required.

Tutorial

A tutorial is a class listed in the catalog taught to a student on an individual basis. The content of the course is the same as the material taught in the regularly scheduled class. The contact time requirement for a tutorial is one documented contact hour per week during which the subject matter will be discussed and student progress evaluated. Only instructors who have previously taught the class in the regular session will be approved to teach a tutorial unless permission is granted by the dean. Only students with a true need will be considered for a tutorial, and it is up to the academic college and the instructor whether to grant a tutorial. It is strongly recommended that undergraduate students who are granted tutorials have at least a 2.5 cumulative GPA. Graduate students should have at least a 3.0 cumulative GPA to qualify for a tutorial course.

To enroll in a tutorial course, the tutorial proposal form must be completed, signed, and submitted to the Office of Academic Services no later than the third week of the term

in which the work is to be done. An add/drop/enrollment form and a syllabus must be attached.

Independent Study

An independent study is an innovative, nonstandard class involving independent research/study on the part of the student under the guidance of an instructor. The contact time requirement for an independent study is one documented contact hour every two weeks. It is strongly recommended that undergraduate students who are granted independent studies have at least a 2.5 cumulative GPA. Graduate students should have at least a 3.0 cumulative GPA to qualify for an independent study course. Independent study courses cannot be used to meet an undergraduate general education requirement.

To enroll in an independent study course, the Independent Study Proposal form must be completed, signed, and returned to the Office of the Registrar no later than the third week of the term in which the work is to be done. An Add/Drop/Enrollment form and a one- to two- page course outline prepared by the student after consultation with the instructor must be attached.

Internships

Internships are available in many areas of study and provide the opportunity for students to obtain academic credit through an out-of-classroom work experience. Academic colleges' standards vary by program. Students interested in applying for internships should contact their advisor for additional information. Internships are billed at the current tuition rate per credit hour. Internships may earn between zero and 12 credit hours depending on the program. Credit hours for internships are listed in course descriptions. Some degree programs may necessitate additional fieldwork and written documentation. Students, however, must meet the minimum standards set forth in this policy to be awarded credit for the internship.

Curriculum Practical Training (CPT)

CPT is special work authorization for international students. It allows international students to participate in internships or work off campus as long as they are enrolled in an internship course for that term. Lindenwood does not offer any Day-1 CPT programs. CPT is approved based on the number of credits completed and with the advisor's request.

- CPT is term based, meaning that it is only authorized for the term that the student is taking the internship course.
- Students must have CPT added to their I-20 if they are receiving compensation or participating in a paid internship opportunity. If they are non-paid / volunteer internships, then CPT does not need to be authorized on their I-20.

- CPT will only be authorized for part-time while the term is in session.
 - Undergraduate/Graduate students:
 - During the fall and spring semesters students can only work part-time.
 - Semester students can work full-time during the summer session.
- See Co-curricular Employment for International Students for more information.

CPT Procedures

- Students are required to fill out all four sections of the CPT form.
- If the student has an internship procedure/packet, it will need to be included with the CPT form.
- The student can include a copy of the employer hire letter in lieu of the employer filling out the requested section of the CPT form.

Program Types

Blended Program

A type of 'distance-delivered program' in which the required courses are offered as a combination of courses in different modalities, such as courses that are online, hybrid, hybrid, on-ground, etc. Blended programs (also known as hybrid programs in other institutions) require the same level of regular and substantive interaction between the students and the instructor as required for all courses.

Consortium Program

Lindenwood University belongs to a consortium of colleges and universities in the Greater St. Louis area. The consortium includes Fontbonne University, Maryville University, Missouri Baptist University, and Webster University. Full-time traditional undergraduate Lindenwood students may enroll in courses offered at colleges and universities in the consortium and count those hours as part of their Lindenwood degree programs. Students must be enrolled full-time at Lindenwood University during the same term of enrollment at colleges and universities in the consortium. No additional tuition cost is involved for combined enrollments between 12 and 18 hours. Lab fees will be charged at the host university.

Online Program

A type of 'distance-delivered program' in which 100 percent of the instruction and interaction for a particular program occurs via electronic communication, correspondence or equivalent mechanisms, where there is regular and substantive interaction between the students and the instructor, and where the faculty and students are physically separated from each other. There are no required face-to-face sessions within the courses and no requirements for on-campus activity.

Study Abroad Program

Lindenwood University recognizes the value that studying abroad brings to a student's education and encourages students to take advantage of study abroad opportunities. The student has the following study abroad options:

- Faculty-led courses for short-term study abroad, such as courses offered during throughout the year.
- Lindenwood semester abroad programs through our partner universities or study abroad providers.
- Summer opportunities to take classes abroad, complete an internship or conduct field research.
- An established program supervised by another American college or university, with academic credits being transferred back to Lindenwood.
- Independent study (either under the direction of a member of the Lindenwood faculty or by a host institution) that has been recognized by the sponsoring member of the Lindenwood faculty. A student who embarks on such study must send an official transcript through ECE (Educational Credential Evaluators) for evaluation before the credits can be accepted by Lindenwood.

The student must meet the following requirements to be eligible for a study abroad program:

- Be in good academic, social, and financial standing with Lindenwood University.
- Either have facility in the spoken language of the host country or be planning to study the language as a part of the approved study abroad coursework if this is required for the program.
- Meet course- or program-specific prerequisites.

All responsibility for travel, finances, application for admission to a foreign institution (where applicable), and the making of any other necessary arrangements rests with the student. For some programs, a student's enrollment in a program of study abroad is considered enrollment at the home institution for the purposes of applying for assistance under the Title IV programs. Students should consult the Office of Student Financial Services for additional information. Any student planning to take a course from any institution other than Lindenwood should complete a Prior Approval form before leaving. This will guarantee that the credit will be accepted by Lindenwood.

Any study abroad coursework must be approved by the department at Lindenwood that will recommend credit. The academic advisor will help the student make appropriate course choices. Final approval of the program and the credit to be granted after completion of the study abroad period rests with the assistant director of the study abroad program after consulting the associate provost of curriculum and experiential learning. Questions about

student study abroad opportunities may be directed to the assistant director of study abroad at studyabroad@lindenwood.edu.

Note: In order to participate in study abroad programs, students must be degree-seeking students at Lindenwood University. Specific programs may have additional requirements. Deadlines for application vary according to the program, and it is the responsibility of the student to be informed as to those deadlines.

Student Modality

Modality refers to the way that students receive instruction. Lindenwood University is proud to offer two modalities for our degree programs: online and on-ground. Students are admitted as either online or on-ground students and are expected to complete the majority of their coursework via modality under which they were admitted. If an undergraduate student is considering shifting their mode of study from on-ground, classroom instruction to online learning (or from online to on-ground), they should be aware of a few potential ramifications.

Students who transition from on ground to online will lose eligibility of certain Lindenwood University grants and scholarships.

Tuition costs will change from a flat rate to a per-credit-hour-rate.

Student athletes should contact their coach before changing from on-ground to online.

Veterans who are interested in changing to online education should contact the university's Veteran Affairs office.

For international students, switching to all online classes could jeopardize your visa status; international students should contact the Office of Admissions and Services for International Students with any concerns about taking on-ground classes.

Once a student has conferred with the necessary offices, they can download and complete the Petition for Change of Modality form with their advisor and email it to academicservices@lindenwood.edu.

COLLEGE OF ARTS AND HUMANITIES

Kathi Vosevich, PhD, Dean

Mission:

Preparing for every future.

Make your own way. Tell your own story.

The College of Arts and Humanities advances the mission of Lindenwood University by offering students high-quality academic, creative, and experiential programs to succeed in their careers and lives.

Join the College of Arts and Humanities and engage with world-class scholars, writers, designers, and visual and performing artists in state-of-the-art facilities. You'll get a personalized experience and build lasting professional relationships, as you develop highly valued power skills, such as critical thinking, creativity, effective communication, and empathy. Explore and showcase your talents while crafting a successful and meaningful future.

Art History, AI, and Visual Culture

Department title revised after publishing — June Addendum — 6/11/2024

ART HISTORY AND VISUAL CULTURE, BA

36 credit hours

Requirements

Major Coursework

3 credit hours of coursework from the following option:

AAD 10600	Design Foundations	3
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Art History Coursework

9 credit hours of coursework from the following options:

ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
ARTH 22700	Global Art History III: From Colonial Vistas to Avant-Garde Horizons	3

Pre-1800 Art History Coursework

6 credit hours of coursework from the following options:

ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 35800	Medieval Art	3
ARTH 38300	Renaissance Art	3
ARTH 38400	Classical Myth	3

FBD 37200	History of Costume to 1900	3
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Post-1800 Art History Coursework

6 credit hours of coursework from the following options:

ARTH 35400	Nineteenth-Century Art	3
ARTH 36100	Twentieth-Century Art/Modern	3
ARTH 36200	Twentieth-Century Art/Contemporary	3
ARTH 36500	History of Photography	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3
ARTH 38000	History of Digital Art	3
CINE 34000	History of World Cinema	3
FBD 37300	History of Costume from 1900	3

Art History Elective Coursework

6 credit hours of coursework from the following options:

ARTH 35400	Nineteenth-Century Art	3
ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 35800	Medieval Art	3
ARTH 36100	Twentieth-Century Art/Modern	3
ARTH 36200	Twentieth-Century Art/Contemporary	3
ARTH 36300	Early Modern Gender Studies	3
ARTH 36401-36499	Topics in Non-Western Art	3
ARTH 36500	History of Photography	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3
ARTH 38000	History of Digital Art	3
ARTH 38300	Renaissance Art	3
ARTH 38400	Classical Myth	3
ARTH 38600-38699	Special Topics	1-3
ARTH 38700-38799	Special Topics	1-3
ARTH 38800-38899	Special Topics	1-3
ARTH 38900	Art Theory and Criticism	3
ARTH 42000	Directed Research	3
CINE 33600	Asian Cinema	3
CINE 34000	History of World Cinema	3
FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3

Capstone Coursework

6 credit hours of coursework from the following options:

ARTH 41000	Research Methods of Art History	3
CAH 44444	Internship	1-6

3 credit hours in ARTH 41000.

3 credit hours (minimum) in CAH 44444.

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

ARTH 10100	Art History Practicum	0
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No duplication of coursework is permitted within the program.

Additional Requirements

- Passing scores on periodic assessments of program-level student learning outcomes.
- Foreign Language is strongly recommended.

Study abroad courses may satisfy degree requirements with permission of the department head. Students should consult their advisor.

ART HISTORY AND VISUAL CULTURE, BA PRE-ART CONSERVATION EMPHASIS

70-73 credit hours

Requirements

Major Coursework (Minimum grade of C)

3 credit hours of coursework from the following option:

AAD 10600	Design Foundations	3
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Art History Foundation Coursework (Minimum grade of C)

9 credit hours of coursework from the following options:

ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
ARTH 22700	Global Art History III: From Colonial Vistas to Avant-Garde Horizons	3

Pre-1800 Art History Coursework

6 credit hours of coursework from the following options:

ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 35800	Medieval Art	3
ARTH 38300	Renaissance Art	3

Post-1800 Art History Coursework

6 credit hours of coursework from the following options:

ARTH 35400	Nineteenth-Century Art	3
ARTH 36100	Twentieth-Century Art/Modern	3
ARTH 36200	Twentieth-Century Art/Contemporary	3

Additional Art History Coursework

3 credit hours of ARTH coursework numbered 30000-level or higher.

Research Methods Coursework

3 credit hours of coursework from the following option:

ARTH 41000	Research Methods of Art History	3
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Museum Studies Coursework

6 credit hours of coursework and 400 total clock hours from the following option:

CAH 44444	Internship	1-6
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Chemistry Coursework (Minimum grade of C)

19 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4

An additional (5th) science course for 3-4 credit hours is recommended to supplement or strengthen understanding of the fundamental principles underlying conservation for those continuing on for graduate certification. This course can count towards the General Education elective requirement.

Studio Art Coursework I (Minimum grade of C)

12 credit hours of coursework from the following options:

AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20000	Painting I	3
AAD 33100	Figure Drawing I	3

Studio Art Coursework II

3 credit hours of coursework from the following options:

AAD 18101	Digital Photography I	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3
AAD 23400	Fibers I	3
AAD 24100	Ceramics I	3

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

ARTH 10100 Art History Practicum 0
No duplication of coursework is permitted within the program.

Additional Requirements

- CHM 23000 can be used to satisfy one of the GE-Natural Science requirements.
- HIST 11100 or HIST 11200 is preferred to satisfy the GE-Human Culture: US History/Government requirement.
- Passing scores on periodic assessments of program-level student learning outcomes.

Study abroad courses may satisfy degree requirements with permission of the department head. Students should consult their advisor.

PRE-ART THERAPY, BA

48 credit hours

Requirements

Major Coursework

21 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10600	Design Foundations	3
AAD 12000	Digital Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3

Psychology Coursework

9 credit hours of coursework from the following options:

PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3
PSY 30300	Abnormal Psychology	3

Psychology Elective Coursework

3 credit hours of coursework from the following options:

PSY 20800	Child Psychology	3
PSY 23500	Death, Dying, Life, & Living	3
PSY 29000-29999	Special Topics in Psychology	1-6
PSY 30800	Psychology of Women & Gender	3
PSY 30900	Personality	3
PSY 31200	Psychology of Aging	3
PSY 31300	Psychology of Adolescence	3
PSY 39000-39999	Special Topics in Psychology	1-6

Studio Art Coursework

12 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
AAD 18101	Digital Photography I	3
AAD 20000	Painting I	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3
AAD 22600	Digital Art I	3
AAD 23400	Fibers I	3
AAD 33000	Drawing II	3
AAD 33100	Figure Drawing I	3

Practical Application Coursework

3 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
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Notes: 1) Study abroad courses may satisfy degree requirements with permission of the department head. Students should consult their advisor. 2) MTH 14100 is required for this degree, but will also fulfill the General Education Math (GE-Math) requirement. 3) This degree provides coursework necessary to continue on and receive a graduate degree, which is necessary to be a licensed art therapist and practice. See requirements of specific graduate institution should additional coursework be recommended, such as a course in art therapy or art education.

ART HISTORY AND VISUAL CULTURE MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3

Pre-1800 Art History Coursework

3 credit hours from the following options:

ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 35800	Medieval Art	3
ARTH 38300	Renaissance Art	3

Post-1800 Art History Coursework

3 credit hours of coursework from the following options:

ARTH 35400	Nineteenth-Century Art	3
ARTH 36100	Twentieth-Century Art/Modern	3
ARTH 36200	Twentieth-Century Art/Contemporary	3

ARTH 36300	Early Modern Gender Studies	3
Elective Coursework		
6 credit hours of coursework from the following options:		
ARTH 22700	Global Art History III: From Colonial Vistas to Avant-Garde Horizons	3
ARTH 35400	Nineteenth-Century Art	3
ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 35800	Medieval Art	3
ARTH 36100	Twentieth-Century Art/Modern	3
ARTH 36200	Twentieth-Century Art/Contemporary	3
ARTH 36300	Early Modern Gender Studies	3
ARTH 36401-36499	Topics in Non-Western Art	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3
ARTH 38300	Renaissance Art	3
ARTH 38400	Classical Myth	3
ARTH 38600-38699	Special Topics	1-3
ARTH 38700-38799	Special Topics	1-3
ARTH 38800-38899	Special Topics	1-3
ARTH 38900	Art Theory and Criticism	3
ARTH 42000	Directed Research	3
ARTH 46500	Art History Internship	3-6
CAH 44444	Internship	1-6
CINE 34000	History of World Cinema	3

HUMAN-CENTERED ARTIFICIAL INTELLIGENCE MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following:

CAH 20501	Fundamentals of Applied AI	3
CAH 30501	Intermediate Generative AI Tools and Human-Centered AI Applications	3
DCS 36000	Information Literacy	3
DCS 38700	Emerging Platforms and Analytics	3

Elective Coursework I

3 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 34000	Truth, Reality, & Virtual Reality	3

Elective Coursework II

3 credit hours of coursework from the following options:

CAH 36500	Digital Research	3
CAH 44444	Internship	1-6

HUMAN-CENTERED ARTIFICIAL INTELLIGENCE CERTIFICATE

12 credit hours

Beginning Fall 2024, only the Human-Centered Artificial Intelligence (AI) Certificate may be pursued by matriculating, degree-seeking students and as a transcribed standalone certificate available to non-degree seeking students.

The Certificate in Human-Centered Artificial Intelligence equips students with the knowledge and skills to explore the emerging field of generative AI. Through a combination of foundational courses in applied AI and prompt engineering, along with advanced courses in generative AI tools and human-centered AI applications, students will gain a comprehensive understanding of principles, techniques, and ethical considerations of AI. The certificate focuses on practical application, allowing students to develop hands-on experience in implementing human-centered AI models and designing AI systems that enhance user experiences. Graduates of this certificate will be prepared to apply human-centered AI techniques to solve real-world problems and contribute to the ethical development of AI technologies.

Requirements

Certificate Coursework

6 credit hours of coursework from the following options:

CAH 20501	Fundamentals of Applied AI	3
CAH 30501	Intermediate Generative AI Tools and Human-Centered AI Applications	3

Elective Coursework I

3 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 34000	Truth, Reality, & Virtual Reality	3

Elective Coursework II

3 credit hours of coursework from the following options:

CAH 36500	Digital Research	3
CAH 44444	Internship	1-6

Art, Production, and Design

ART AND DESIGN, BA

48 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Art and Design Elective Coursework

12 credit hours of coursework from the following options:

Note that students pursuing 9-12 Art teaching certification must complete AAD 20000, AAD 22100, AAD 23400, and AAD 24100.

AAD 10100	Emerging Technologies	3
AAD 11000	Programming Logic	3
AAD 11600	Drag and Drop Web Design	3
AAD 18101	Digital Photography I	3
AAD 20000	Painting I	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3
AAD 22600	Digital Art I	3
AAD 23400	Fibers I	3
AAD 24100	Ceramics I	3
AAD 25000	Typography I	3
AAD 30600	Imaging and Illustration	3
AAD 31500	Printmaking II	3
AAD 32200	Motion Graphics	3
AAD 32500	Adobe Certification in InDesign	3
AAD 32900	Concept Design	3
AAD 33000	Drawing II	3
AAD 33100	Figure Drawing I	3
AAD 33310	3D Printing	3
AAD 33400	Fibers II	3
AAD 33600	3D Graphics	3
AAD 33610	Digital Art II	3
AAD 33700	Digital Painting	3
AAD 34000	Ceramics II	3
AAD 35001	Digital Photography II	3
AAD 35500	Visual Branding	3
AAD 35600	Typography II	3
AAD 36000	Advanced 3D	3
AAD 36100	Web Design II	3

ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
ARTH 36500	History of Photography	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3

Practical Application Coursework

6 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

3 credit hours of coursework from the following option:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200	Art and Design Seminar	0
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No duplication of coursework is permitted within the program.

Recommended GE Coursework

AAD 18101 Digital Photography I (3)

ARTH 22300 Global Art History I: Rise of Cities and Empires (3)

ARTH 22500 Global Art History II: Canvases and Courts of Power (3)

COM 11000 Public Speaking (3)

ENGL 23000 Business Communications (3)

ART AND DESIGN, BA K-12 EDUCATION CERTIFICATION PREPARATION

See the requirements in the College of Education and Human Services section of this catalog. (p. 153)

Students seeking (Grades K-12) certification must (1) earn a bachelor of arts in art and design and (2) complete the requirements for a minor in education (Grades K-12).

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

ART AND DESIGN, BFA DIGITAL ART EMPHASIS

66 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Emphasis Coursework

24 credit hours of coursework from the following options:

AAD 18101	Digital Photography I	3
AAD 22600	Digital Art I	3
AAD 31100	Extended Realities (XR/AR/VR)	3
AAD 33610	Digital Art II	3
AAD 33700	Digital Painting	3
AAD 34600	Digital Art III	3
AAD 44600	Digital Art IV	3
ARTH 38000	History of Digital Art	3

Art and Design Elective Coursework

6 credit hours of coursework from the following options:

AAD 10100	Emerging Technologies	3
AAD 25000	Typography I	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3
AAD 32500	Adobe Certification in InDesign	3
AAD 32900	Concept Design	3
AAD 33600	3D Graphics	3
AAD 35001	Digital Photography II	3
AAD 35500	Visual Branding	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
ARTH 35400	Nineteenth-Century Art	3
ARTH 35600	Baroque Art	3
ARTH 35700	Ancient Art	3
ARTH 36100	Twentieth-Century Art/Modern	3

ARTH 36200	Twentieth-Century Art/Contemporary	3
ARTH 36500	History of Photography	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3
ARTH 38300	Renaissance Art	3
ARTH 38400	Classical Myth	3
CAH 43000	Arts Entrepreneurship	3
FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3

Practical Application Coursework

6 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

3 credit hours of coursework from the following options:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200	Art and Design Seminar	0
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No duplication of coursework is permitted within the program.

Recommended GE Coursework

AAD 18101 Digital Photography I (3)

ARTH 22300 Global Art History I: Rise of Cities and Empires (3)

ARTH 22500 Global Art History II: Canvases and Courts of Power (3)

COM 11000 Public Speaking (3)

ENGL 23000 Business Communications (3)

ART AND DESIGN, BFA GRAPHIC DESIGN EMPHASIS

69 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3

AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Emphasis Coursework

27 credit hours of coursework from the following options:

AAD 11600	Drag and Drop Web Design	3
AAD 25000	Typography I	3
AAD 30100	Print Design and Production	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3
AAD 32500	Adobe Certification in InDesign	3
AAD 35500	Visual Branding	3
AAD 35600	Typography II	3
ARTH 36900	History of Graphic Design	3

Art and Design Elective Coursework

6 credit hours of coursework from any AAD, FBD, GAM, and / or ARTH courses not previously used as a requirement.

Practical Application Coursework

6 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

3 credit hours of coursework from the following option:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200	Art and Design Seminar	0
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No duplication of coursework is permitted within the program.

Note that certain courses are recommended to students in this program for satisfying General Education requirements. Students should consult with their advisor.

ART AND DESIGN, BFA PHOTOGRAPHY EMPHASIS

63 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Emphasis Coursework

21 credit hours of coursework from the following options:

AAD 18101	Digital Photography I	3
AAD 31100	Extended Realities (XR/AR/VR)	3
AAD 33700	Digital Painting	3
AAD 35001	Digital Photography II	3
AAD 36001	Digital Photography III	3
AAD 46001	Digital Photography IV	3
ARTH 36500	History of Photography	3

Art and Design Elective Coursework

6 credit hours of coursework from the following options:

AAD 11600	Drag and Drop Web Design	3
AAD 22600	Digital Art I	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3
AAD 33600	3D Graphics	3
AAD 33610	Digital Art II	3
AAD 35500	Visual Branding	3
AAD 36100	Web Design II	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3

Practical Application Coursework

6 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

3 credit hours of coursework from the following option:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200 Art and Design Seminar 0

No duplication of coursework is permitted within the program.

Note that certain courses are recommended to students in this program for satisfying General Education requirements. Students should consult with their advisor.

ART AND DESIGN, BFA STUDIO ART EMPHASIS

66 credit hours

The Studio Art emphasis is based on flexibility and customization, which allows students to follow a course of study that provides basic knowledge and experience in the major studio disciplines, plus directed focus on preferred subjects. The major disciplines include Drawing, Painting, Printmaking, Sculpture, Ceramics, and Fibers.

Additionally, students have the opportunity to include in their program a wide array of related courses like Web Design, Digital Art, Photography, Graphic Design, and Art History. The skills developed in the Studio Art emphasis expand students' knowledge of the intersection of arts and contemporary practices and issues. That knowledge increases their creativity, the skills increase productivity, and ensure a broad pathway into the visual arts careers.

Requirements

Major Coursework

24 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Emphasis Coursework

15 credit hours of coursework from the following options:

AAD 20000	Painting I	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3

AAD 24100	Ceramics I	3
AAD 33100	Figure Drawing I	3

Studio Art Elective Coursework

9 credit hours of coursework from the following options:

AAD 23400	Fibers I	3
AAD 30500	Painting II	3
AAD 31500	Printmaking II	3
AAD 33000	Drawing II	3
AAD 34000	Ceramics II	3
ARTH 36200	Twentieth-Century Art/Contemporary	3

Art and Design Elective Coursework

6 credit hours of coursework from any undergraduate AAD, FBD, and / or GAM courses not previously used as a requirement.

Practical Application Coursework

6 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

3 credit hours of coursework from the following option:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200 Art and Design Seminar 0

No duplication of coursework is permitted within the program.

Note that certain courses are recommended to students in this program for satisfying General Education requirements. Students should consult with their advisor.

FASHION BUSINESS AND ENTREPRENEURSHIP, BS

45 credit hours

Requirements

Major Coursework

30 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
CAH 44444	Internship	1-6
FBD 22000	Introduction to the Fashion Industry	3
FBD 31700	Digital Apparel Production Management	3

FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3
FBD 38500	Fashion Business and Entrepreneurship	3
FBD 47000	Fashion Business Capstone	3
FIN 32000	Principles of Finance	3
MGMT 26061	Business Law I	3

CAH 44444 should be taken for at least 3 credit hours.

Elective Coursework

15 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
FBD 38530	Luxury Branding, Merchandising, and Visual Display	3
FBD 38540	Apparel Buying and Trend Forecasting in a Global Economy	3
FBD 38550	Sustainability in the Global Apparel Industry	3
FBD 38560	Fashion Marketing and Global Consumer Behavior	3
FBD 38570	Fashion Writing and Global Communication	3
MRKT 35010	Principles of Marketing	3

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

FBD 10200	Fashion Business and Design Practicum	0
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Some substitutions may be possible with the permission of the department head. No duplication of coursework is permitted within the program.

FASHION DESIGN AND TECHNOLOGY, BFA

60 credit hours

Requirements

Major Coursework

60 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
FBD 20000	Introduction to Fashion Design	3
FBD 21000	Textile Science	3

FBD 31100	Apparel Design I: Draping	3
FBD 31200	Apparel Design II: Patternmaking	3
FBD 31300	Apparel Design III: Mini Collections	3
FBD 31600	Fashion Illustration	3
FBD 35000	Computer-Aided Design I: Apparel Design	3
FBD 35100	Computer-Aided Design II: Textile Design	3
FBD 35200	Computer-Aided Design III: Patternmaking	3
FBD 35300	Computer Aided Design IV: 3D Fashion Design and Technology	3
FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3
FBD 38500	Fashion Business and Entrepreneurship	3
FBD 41400	Apparel Design IV: Technical Design	3
FBD 48700	Senior Collection	3

Practical Application Coursework

3 credit hours of required practical application coursework from the following option:

CAH 44444	Internship	1-6
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

FBD 10200	Fashion Business and Design Practicum	0
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Some substitutions may be possible with the permission of the department head.

GAME DESIGN, BA

36 credit hours

Requirements

Major Coursework

21 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 33600	3D Graphics	3
GAM 10000	Introduction to Game Design	3
GAM 23000	Prototype Studio	3
GAM 30100	Team Studio I	3
GAM 36800	Game Development	3
GAM 42400	Game Design Firm	3

Elective Coursework

15 credit hours of coursework from the following options:

AAD 10100	Emerging Technologies	3
AAD 11000	Programming Logic	3
AAD 13000	Drawing I	3
AAD 14000	Visual Storytelling	3
AAD 31100	Extended Realities (XR/AR/VR)	3
AAD 31200	User Experience and Interaction Design for XR (AR/VR)	3
AAD 31300	Cinematics for XR (AR/VR)	3
AAD 32200	Motion Graphics	3
AAD 32900	Concept Design	3
AAD 33100	Figure Drawing I	3
AAD 41000	Art and Design Capstone	3
AAD 41350	Development for XR (AR/VR)	3
ARTH 37000	History of Games and Critical Theory	3
ARTH 38400	Classical Myth	3
CAH 43000	Arts Entrepreneurship	3
CAH 44444	Internship	1-6
ENGL 20900	Writing for Game Design	3
GAM 30120	Level Design	3
GAM 31000	Scripting for Games	3
GAM 32000	Audio for Games	3
GAM 33000	Game Testing	3
GAM 38600-38699	Special Topics	1-3
GAM 46900	3D Animation	3

GAME DESIGN, BA GAME ART EMPHASIS

36 credit hours

Requirements

Major Coursework

21 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 33600	3D Graphics	3
GAM 10000	Introduction to Game Design	3
GAM 23000	Prototype Studio	3
GAM 30100	Team Studio I	3
GAM 36800	Game Development	3
GAM 42400	Game Design Firm	3

Emphasis Coursework

15 credit hours of coursework from the following options:

AAD 13000	Drawing I	3
AAD 14000	Visual Storytelling	3
AAD 32200	Motion Graphics	3
GAM 30120	Level Design	3
GAM 46900	3D Animation	3

DIGITAL ART MINOR

21 credit hours

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 14000	Visual Storytelling	3
AAD 18101	Digital Photography I	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 22600	Digital Art I	3
AAD 33610	Digital Art II	3

Elective Coursework

3 credit hours of coursework from the following options:

AAD 10050	Web Design I	3
AAD 10100	Emerging Technologies	3
AAD 10600	Design Foundations	3
AAD 11600	Drag and Drop Web Design	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 33610	Digital Art II	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3

DIGITAL PHOTOGRAPHY MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 18101	Digital Photography I	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 35001	Digital Photography II	3

Elective Coursework

6 credit hours of coursework from the following options:

AAD 13000	Drawing I	3
AAD 20000	Painting I	3
AAD 22600	Digital Art I	3
AAD 30500	Painting II	3
AAD 33600	3D Graphics	3
ARTH 36500	History of Photography	3

FASHION BUSINESS AND ENTREPRENEURSHIP MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
FBD 22000	Introduction to the Fashion Industry	3
FBD 31700	Digital Apparel Production Management	3
MGMT 26061	Business Law I	3

MTH 14100 with a C or better is recommended to satisfy the prerequisite for ACCT 21010.

Elective Coursework I

3 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
FBD 38500	Fashion Business and Entrepreneurship	3

Elective Coursework II

3 credit hours of coursework from the following options:

FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3

FASHION DESIGN MINOR

21 credit hours

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

AAD 13000	Drawing I	3
FBD 20000	Introduction to Fashion Design	3
FBD 21000	Textile Science	3
FBD 31100	Apparel Design I: Draping	3
FBD 31200	Apparel Design II: Patternmaking	3
FBD 31600	Fashion Illustration	3

Elective Coursework

3 credit hours of coursework from the following options:

FBD 37200	History of Costume to 1900	3
FBD 37300	History of Costume from 1900	3

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

FBD 10200	Fashion Business and Design Practicum	0
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GAME DESIGN MINOR

18 credit hours

The minor in game design provides students of any major with a hands-on introduction to the field of game design and development. Students will develop skills in image manipulation, 3D-modeling, 3D-level design, and 2-dimensional game development, as well as the history of video games.

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 33600	3D Graphics	3
ARTH 37000	History of Games and Critical Theory	3
GAM 10000	Introduction to Game Design	3
GAM 23000	Prototype Studio	3
GAM 30120	Level Design	3

GRAPHIC DESIGN MINOR

21 credit hours

Requirements

Minor Coursework

21 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 25000	Typography I	3
AAD 30100	Print Design and Production	3
AAD 30600	Imaging and Illustration	3

STUDIO ART MINOR

21 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3

Drawing Coursework

3 credit hours of coursework from the following options:

AAD 33000	Drawing II	3
AAD 33100	Figure Drawing I	3

Elective Coursework

6 credit hours of coursework from the following options:

AAD 18101	Digital Photography I	3
AAD 20000	Painting I	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3
AAD 23400	Fibers I	3
AAD 24100	Ceramics I	3

DATA VISUALIZATION CERTIFICATE*15 credit hours**Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.***Requirements****Certificate Coursework**

9 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 35700	Infographics	3
DCS 38700	Emerging Platforms and Analytics	3

Elective Coursework

3 credit hours of coursework from the following options:

AAD 20400	Adobe Certification in Illustrator	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3
DSCI 30100	Data Analysis with R	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
MGMT 26014	Excel for Professionals	3
MGMT 36033	Business Analytics I	3
MRKT 35045	Digital Marketing	3

Practical Application Coursework

3 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
CSC 45111	Internship	3
GEO 40100	Internship in Geographic Information Systems (GIS)	3
HIST 40100	History Internship	3-6
MGMT 46095	Internship	1-9
MRKT 45095	Internship	1-9
MTH 48001	Mathematics Internship	1-3
PS 45000	Political Science Internship	1-6

EXTENDED REALITY (XR/AR/VR/MR) CERTIFICATE*12 credit hours**Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.***Requirements****Certificate Coursework**

9 credit hours of coursework from the following options:

AAD 31100	Extended Realities (XR/AR/VR)	3
AAD 31200	User Experience and Interaction Design for XR (AR/VR)	3
AAD 41350	Development for XR (AR/VR)	3

Elective Coursework

3 credit hours of coursework from the following options:

AAD 31300	Cinematics for XR (AR/VR)	3
AAD 33600	3D Graphics	3

GRAPHIC DESIGN CERTIFICATE*15 credit hours**Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.***Requirements:****Certificate Coursework**

15 credit hours of coursework from the following options:

AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 25000	Typography I	3
AAD 30100	Print Design and Production	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3

English, Language, and Interdisciplinary Studies**American Studies Program****AMERICAN STUDIES MINOR***18 credit hours**“The truth does not change depending on our ability to stomach it.” – Flannery O’Connor*

The American Studies program offers a minor in American studies. American Studies is a multidisciplinary approach to the many fluid, shifting cultural issues within the idea of “America.” What is contained within the idea of America? Whom does it contain? Whom does it leave out? How have the various struggles to define America changed over time and in relation to larger uncertainties surrounding nation, empire, citizenship, race, and sexuality (to name but a few concerns)? As you complete the minor in American Studies, you will address such questions by incorporating different methodologies such as literature, history, religion, anthropology, criminal justice, sociology, political science, cultural studies, and gender studies.

Requirements

Minor Coursework

3 credit hours of coursework from the following option:

AST 20001	Introduction to American Studies	3
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Students ideally should take AST 20001 early in their course progression.

English Coursework focusing on America

3 credit hours of coursework from the following options:

ENGL 23500	American Literature: Slavery and War	3
ENGL 23501	American Literature: Breaking Free	3
ENGL 23502	American Literature: Family and Dysfunction	3
ENGL 23503	American Literature: Trauma and Modernity	3
ENGL 23800	Into the Promised Land: Race and Ethnicity in American Literature	3
ENGL 23900	Faulkner: Southern Belles and Racism	3
ENGL 34400/SPA 34400	LatinX Literature	3
ENGL 34700-34799	Topics in American Literature	3
ENGL 35200	Early American Literature	3
ENGL 35300	Twentieth-Century American Literature	3
ENGL 35400	Finding Home: Space, Place, and Identity in American Literature	3
ENGL 37600	African American Literature	3

History Coursework focusing on America

3 credit hours of coursework from the following options:

AST 32000/HIST 32000	America: The Search for a More Perfect Union	3
HIST 26300	History of Latin America	3
HIST 30200	Public History	3
HIST 32100	The Origins of the United States to 1800	3
HIST 32200	The Age of Jackson	3
HIST 32300	The Civil War and Its Legacies	3
HIST 32400	The Growth of Modern America, 1877-1914	3
HIST 32500	Social Movements in 20th Century America	3
HIST 32600	The United States in the Age of the Cold War	3
HIST 33100	History of Gender in America	3
HIST 33200	A Biography of the Constitution	3
HIST 33300	The American West 1830-1960	3
HIST 33400	History of Racism in America	3
HIST 36200	Slavery and Capitalism across the Atlantic	3

Areas of Focus Coursework

9 credit hours of relevant elective coursework from the options listed above or from the below Areas of Focus. Areas of Focus emphasize Lindenwood’s strength in current course offerings and are neither exclusive nor restrictive. Students may take courses from different Areas of Focus or all within a single area of Focus.

Identity Coursework

AFAM 20000	Introduction to African American Studies	3
GS 20101	A Global Introduction to Gender Studies	3
GS 30000	Gender Theory	3
PHRL 20200	Religion in America	3
PHRL 31601	Islam and the West	3
REC 31200	Sports and Society	3
REC 34200	Camp Management and Leadership	3
REC 41200	Leisure and Aging	3
SOC 21400	The Family	3
SOC 32100	Urban Sociology	3
SOC 33500	Sociology of Sport	3

Justice Coursework

CCJ 30000	Policing in America	3
CCJ 31100	The Juvenile Justice System	3
CCJ 32000	Race, Crime, and Punishment	3
CCJ 32600/SOC 32600	Drugs and Society	3
CCJ 35005	Women, Crime, and the Law	3
PHRL 20600	Jesus	3
PS 31100	American Constitutional Law	3

PS 36000	Civil Liberties	3
Politics and Public Policy Coursework		
HIST 30200	Public History	3
PHRL 20800	Christianity and Politics	3
PHRL 31400	New Religious Movements in America	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 34000	Health Policy	3
PS 31000	Congress, the Presidency, and the Party System	3
PS 34500	Campaigns and Elections	3
PS 38200	American Foreign Policy	3
PS 38500	Politics and Culture	3

At least 3 credit hours taken to satisfy American Studies Minor requirements must be at the 30000 or 40000-levels.

No duplication of coursework is permitted within the program. Some other relevant courses may be accepted by the permission of the department head.

English Program

ENGLISH, BA

36 credit hours

The Bachelor of Arts in English prepares you to use language both persuasively and creatively and to read, think, and write critically in any setting. Graduates pursue a variety of professional objectives and career paths, including graduate school in literature and creative writing, law school, teaching at the secondary level, journalism, technical and business writing, copywriting, editing, and proofreading.

A major in English requires 36 credit hours of coursework through the English program plus the foreign language requirement listed below.

The major is structured to provide you with a broad expertise in British and American literature while also allowing you the opportunity to study literatures of other regions and of traditionally underrepresented cultures and populations, and to conduct in-depth explorations of topics of your choosing.

Requirements

Major Coursework

6 credit hours of coursework from the following options:

ENGL 30100	Methods of Literary Study	3
ENGL 45400	Senior Capstone in English	3

English majors should take ENGL 30100 as soon as possible after completing ENGL 17000.

British Literature Coursework

6 credit hours of coursework from the following options:

ENGL 33200	Chaucer	3
ENGL 33300	Shakespeare	3
ENGL 33800	Medieval Literature	3
ENGL 33900	Early Modern Literature	3
ENGL 34101	London in the Eighteenth Century	3
ENGL 34200	Politics, Passion, Poetry and Problems: The Romantic Movement	3
ENGL 34300	Victorians: Vile or Virtuous?	3
ENGL 35700-35799	Topics in British Literature	3

American Literature Coursework

6 credit hours of coursework from the following options:

ENGL 34400/SPA 34400	LatinX Literature	3
ENGL 34700-34799	Topics in American Literature	3
ENGL 35200	Early American Literature	3
ENGL 35300	Twentieth-Century American Literature	3
ENGL 35400	Finding Home: Space, Place, and Identity in American Literature	3
ENGL 37600	African American Literature	3

Additional Literature Coursework

6 credit hours of coursework from the following options and/or from the options in British literature or American literature above:

Note that students pursuing 9-12 English teaching certification must complete ENGL 37100; additionally, students pursuing 9-12 English teaching certification may not satisfy this coursework distribution with "Topics" courses.

ENGL 30900	The Novel	3
ENGL 36200	Translation and Literature	3
ENGL 37100	Reading and Writing of the Young Adult Novel	3
ENGL 38000-38099	Topics in Literature	3

Language, Linguistics, and Communication Coursework

6 credit hours of coursework from the following options:

Note that students pursuing 9-12 English teaching certification must complete ENGL 30700 and another approved writing course (consult with your ENGL and EDU advisors to select).

CAH 36500	Digital Research	3
CINE 35000	Screenwriting	3
COM 24200	Basic Reporting	3
COM 38200	Feature Writing	3

DCS 35000	Personal Branding	3
ENGL 20900	Writing for Game Design	3
ENGL 21100	Introduction to Creative Writing	3
ENGL 22200	Writing about Reality	3
ENGL 23000	Business Communications	3
ENGL 25000/SPA 25000	Multiculturalism and Multilingualism	3
ENGL 30700	The Teaching of Writing	3
ENGL 31200	Technical Writing	3
ENGL 31500	Arrow Rock Literary Journal	3
ENGL 37200	Grammar and Writing	3
ENGL 38200-38299	Topics in English	3
ENGL 40400	History of the English Language	3
MGMT 36015	International Business and Cross-Cultural Communications	3
MRKT 35040	Advertising and Promotional Strategy	3

Elective Coursework

6 credit hours of coursework from any of the above listed ENGL courses, or any other 30000- or 40000-level ENGL course.

Note that students pursuing 9-12 English teaching certification must satisfy this elective coursework by completing ENGL 37200 and ENGL 40400.

No duplication of coursework is permitted within the program.

At least two of the courses taken for the degree must be marked as GE-Human Diversity courses.

ENG courses may satisfy program requirements at the discretion of the advisor.

English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University's Elementary II level. Students who transfer in at least six college credit hours in such a language or who have a sufficient AP exam score in such a language are considered to have demonstrated proficiency. Students who have studied a language offered by Lindenwood University but who do not have sufficient college course credit in the language may consult with the program about having their proficiency tested by the faculty in our non-English language programs to determine which courses, if any, they must take to fulfill the requirement. Students who have studied a language not offered by Lindenwood University and who do not have sufficient college course credit in the language may consult with the program about taking an online proficiency test to determine whether they will need to undertake further language study at Lindenwood. (Note: Not all languages are available for testing.)

ENGLISH, BA CREATIVE WRITING EMPHASIS

36 credit hours

The Bachelor of Arts in English with an emphasis in Creative Writing prepares you to use language both persuasively and creatively and to read, think, and write critically in any setting. Graduates pursue a variety of professional objectives and career paths, including graduate school in literature and creative writing, law school, teaching at the secondary level, journalism, technical and business writing, copywriting, editing, and proofreading.

A major in English with Creative Writing Emphasis requires 36 credit hours of coursework through the English program (or courses approved by the department) plus the foreign language requirement listed below.

The major is structured to provide you with the flexibility to craft the program of study most suitable to your goals (in consultation with your advisor).

Requirements

Major Coursework

12 credit hours of coursework from the following options:

ENGL 21100	Introduction to Creative Writing	3
ENGL 30100	Methods of Literary Study	3
ENGL 31100	Advanced Creative Writing	3
ENGL 45400	Senior Capstone in English	3

English majors should take ENGL 30100 as soon as possible after completing ENGL 17000.

Elective Coursework

24 credit hours of coursework from the following options or from all other ENGL 30000- or 40000-level courses:

CAH 36500	Digital Research	3
ENGL 20900	Writing for Game Design	3
ENGL 22200	Writing about Reality	3
ENGL 23000	Business Communications	3
ENGL 25000/SPA 25000	Multiculturalism and Multilingualism	3
ENGL 30700	The Teaching of Writing	3
ENGL 31200	Technical Writing	3
ENGL 31500	Arrow Rock Literary Journal	3
ENGL 34000	Stranger than Fiction – Writing Advanced Nonfiction	3
ENGL 35800	Getting Published – Tips for Writers	3
ENGL 36200	Translation and Literature	3
ENGL 36700	World-Building	3
ENGL 37100	Reading and Writing of the Young Adult Novel	3
ENGL 37200	Grammar and Writing	3

ENGL 38200- Topics in English 3
38299

Substitute Coursework

Students may substitute up to 6 credit hours of the elective coursework above with courses from the following list. Other courses not on this list may be accepted for credit toward the degree with permission of the department head. Some of the courses listed have prerequisites that may be waived after consultation with the department head.

CINE 35000 Screenwriting 3
COM 24200 Basic Reporting 3
COM 38200 Feature Writing 3
DCS 35000 Personal Branding 3
MGMT 36015 International Business and 3
Cross-Cultural Communications
MRKT 35040 Advertising and Promotional 3
Strategy

No duplication of coursework is permitted within the program.

ENG courses may satisfy program requirements at the discretion of the advisor.

English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University's Elementary II level. Students who transfer in at least six college credit hours in such a language or who have a sufficient AP exam score in such a language are considered to have demonstrated proficiency. Students who have studied a language offered by Lindenwood University but who do not have sufficient college course credit in the language may consult with the program chair about having their proficiency tested by the faculty in our non-English language programs to determine which courses, if any, they must take to fulfill the requirement. Students who have studied a language not offered by Lindenwood University and who do not have sufficient college course credit in the language may consult with the program about taking an online proficiency test to determine whether they will need to undertake further language study at Lindenwood. (Note: Not all languages are available for testing.)

CREATIVE WRITING MINOR

18 credit hours

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

ENGL 21100 Introduction to Creative Writing 3
ENGL 30100 Methods of Literary Study 3
ENGL 31100 Advanced Creative Writing 3

Writing Options Coursework

3 credit hours of coursework from the following options:

CAH 36500 Digital Research 3
ENGL 20900 Writing for Game Design 3
ENGL 22200 Writing about Reality 3
ENGL 30700 The Teaching of Writing 3
ENGL 31200 Technical Writing 3
ENGL 31500 Arrow Rock Literary Journal 3
ENGL 34000 Stranger than Fiction – Writing 3
Advanced Nonfiction
ENGL 35800 Getting Published – Tips for 3
Writers
ENGL 36700 World-Building 3
ENGL 37100 Reading and Writing of the 3
Young Adult Novel
ENGL 37200 Grammar and Writing 3
ENGL 38200- Topics in English 3
38299

Elective Coursework

6 credit hours of coursework with 3 credit hours from the following option or from all other 30000- or 40000-level ENGL course offerings:

ENGL 22200 Writing about Reality 3

No duplication of coursework is permitted within the program.

ENG courses may satisfy program requirements at the discretion of the advisor.

ENGLISH MINOR

18 credit hours

Requirements

Minor Coursework

3 credit hours of coursework from the following option:

ENGL 30100 Methods of Literary Study 3

Literature Coursework

9 credit hours of coursework from the following options:

ENGL 30900 The Novel 3
ENGL 33200 Chaucer 3
ENGL 33300 Shakespeare 3
ENGL 33800 Medieval Literature 3
ENGL 33900 Early Modern Literature 3
ENGL 34101 London in the Eighteenth 3
Century
ENGL 34200 Politics, Passion, Poetry and 3
Problems: The Romantic
Movement
ENGL 34300 Victorians: Vile or Virtuous? 3
ENGL 34700- Topics in American Literature 3
34799
ENGL 35200 Early American Literature 3
ENGL 35300 Twentieth-Century American 3
Literature

ENGL 35400	Finding Home: Space, Place, and Identity in American Literature	3
ENGL 35700-35799	Topics in British Literature	3
ENGL 36200	Translation and Literature	3
ENGL 37100	Reading and Writing of the Young Adult Novel	3
ENGL 37600	African American Literature	3
ENGL 38000-38099	Topics in Literature	3

Elective Coursework

6 credit hours of coursework from the literature options above or from the following options:

CAH 36500	Digital Research	3
ENGL 20900	Writing for Game Design	3
ENGL 21100	Introduction to Creative Writing	3
ENGL 22200	Writing about Reality	3
ENGL 30700	The Teaching of Writing	3
ENGL 31200	Technical Writing	3
ENGL 31500	Arrow Rock Literary Journal	3
ENGL 37200	Grammar and Writing	3
ENGL 40400	History of the English Language	3
ENGL 41000	Internship in English	1-6

No duplication of coursework is permitted within the program.

ENG courses may satisfy program requirements at the discretion of the advisor.

WRITING AND PROFESSIONAL COMMUNICATION MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

ENGL 23000	Business Communications	3
ENGL 30700	The Teaching of Writing	3
ENGL 31200	Technical Writing	3
ENGL 37200	Grammar and Writing	3

Elective Coursework

3 credit hours of coursework from the following options:

ENGL 21100	Introduction to Creative Writing	3
ENGL 28200-28299	Topics in English	3
ENGL 31100	Advanced Creative Writing	3
ENGL 38200-38299	Topics in English	3
ENGL 40400	History of the English Language	3

Capstone Experience Coursework

3 credit hours of coursework from the following option:

ENGL 41000	Internship in English	1-6
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No duplication of coursework is permitted within the program.

ENG courses may satisfy program requirements at the discretion of the advisor.

EXECUTIVE WRITING CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Surveys consistently show that employers want to hire employees with strong written communication skills. Get an edge on the job market by learning how to write professionally. Earning a certificate in executive writing will show employers that you are trained to write in a variety of formats and contexts, to create effective messages tailored to specific audiences, to navigate the complex media environments of the modern business world, and to work effectively as part of a team. The executive writing certificate requires 15 credit hours, including 3 credit hours in an internship.

Requirements

Certificate Coursework

6 credit hours of coursework from the following options:

ENGL 23000	Business Communications	3
ENGL 31200	Technical Writing	3

Elective Coursework

6 credit hours of coursework from the following options:

COM 32700	Media Literacy	3
ENGL 22200	Writing about Reality	3
ENGL 37200	Grammar and Writing	3
MRKT 35040	Advertising and Promotional Strategy	3

Practical Application Coursework

3 credit hours of coursework (limited to one course) from the following options:

CAH 44444	Internship	1-6
ENGL 41000	Internship in English	1-6
MGMT 46095	Internship	1-9
MRKT 45095	Internship	1-9

ENGLISH PREPAREDNESS

The English Preparedness Program exists to prepare students from multilingual backgrounds at Lindenwood University with the language proficiency, academic skills, and cultural knowledge needed to meet the challenges and

rigor of university coursework and responsibilities.

In addition to meeting admission requirements established by University Admissions, all new international students undergo on-site English language evaluation to assess classroom readiness and to assure appropriate placement in English composition classes. Based on the English language evaluation scores, a student may (1) enter directly into General Education courses, (2) enroll in a combination of six EPP credit hours and a minimum of six General Education credit hours, or (3) enroll in a combination of nine EPP credit hours and three General Education credit hours.

These students' schedules are not confirmed until they have taken the English language placement exam, and they will be enrolled in a placeholder (PPT 10000 Pending Placement Testing – English) until the exam has been completed and evaluated. Students arriving after the placement exam has been administered should be referred to EPP faculty for information regarding immediate placement testing.

Placement into English composition courses depends on students' placement test scores, writing samples, language background, and previous experience at institutions of higher education in the United States. Students whose placement exam scores indicate a beginning or intermediate English proficiency will be placed in the appropriate EPP courses. All students who are enrolled in EPP courses will be co-advised by EPP faculty and a professional advisor until they are prepared to be assigned to a content-area advisor.

Students whose placement exam scores indicate advanced language proficiency will be placed in General Education or other introductory content courses but may still be recommended for placement in EPP 11000 or EPP 15000 if their placement exam scores indicate that they would benefit from English courses with attention to multilingual and international student experiences. Students whose English proficiency is assessed to be native-like will be recommended for placement in ENGL 15000.

Students who place into EPP courses progress through the EPP curriculum based on exit exam scores, portfolio reviews, and/or instructor recommendations.

See the course descriptions section of this catalog for a complete description of the EPP courses listed below.

EPP 10100, EPP 10500, EPP 10600, EPP 12000, and EPP 12500.

These courses count toward the student's 120 credit hour requirement for graduation but do not fulfill general education requirements.

EPP 11000

Based on English placement scores, this course may be required prior to EPP 15000 or ENGL 15000. This course counts toward the student's 120 credit hour requirement for graduation but does not fulfill the Composition I (ENGL 15000) general education requirement and is counted as an elective.

EPP 15000

Equivalent to ENGL 15000, with attention to multilingual and international student experiences. This course counts toward the student's 120 credit hour requirement for graduation and fulfills the General Education Composition I (ENGL 15000) requirement. This course is equivalent to (not a prerequisite for) ENGL 15000 and gives attention to multilingual and international student experiences. Students receiving a C or better in this course are eligible to take ENGL 17000.

The program also offers English preparedness instruction for non-F1 undergraduate students who use English as an additional language.

Gender Studies Program

GENDER STUDIES MINOR

18 credit hours

By adding the Gender Studies minor to your major, you can acquire a variety of marketable skills, such as writing, public speaking, critical thinking, conflict resolution, and diversity training. The minor's interdisciplinary and global perspectives can give you a competitive edge on the job market and can enhance virtually any career path you choose. You can learn how to analyze and think critically about gender constructions across different historical periods, cultures, and global practices. In addition to its focus on the history and achievements of women, marginalized populations, and various identity intersections, the minor will also introduce you to scholarship about men's lives, masculinity, and the lives of people who identify along the LGBTQIA+ spectrum. Add the minor for an opportunity to learn how to foster the growth of a community of scholars, citizens, and activists across many disciplines and programs.

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

GS 20101	A Global Introduction to Gender Studies	3
GS 30000	Gender Theory	3

Elective Coursework

12 credit hours of coursework from the following options:

ARTH 36300	Early Modern Gender Studies	3
ARTH 38400	Classical Myth	3

CCJ 31500	Victimology	3
CCJ 35005	Women, Crime, and the Law	3
COM 32700	Media Literacy	3
ENGL 20106	World Literature: Faith, War, Travel, Memory, Love	3
ENGL 27500	Gender: Body, Mind, and Power	3
ENGL 34200	Politics, Passion, Poetry and Problems: The Romantic Movement	3
ENGL 35400	Finding Home: Space, Place, and Identity in American Literature	3
GS 28000-28099	Selected Topics in Gender Studies	3
GS 38600-38699	Selected Topics in Gender Studies	3
HIST 11500	US History: America through Gender	3
HIST 33100	History of Gender in America	3
HIST 33400	History of Racism in America	3
IS 31000	Love and Sex	3
PHRL 20400	Women, Religion, and Violence	3
PSY 21000	Psychology of Parenting	3
PSY 30800	Psychology of Women & Gender	3
PSY 31300	Psychology of Adolescence	3
PSY 33400	Social Psychology	3
PSY 36500	Human Sexuality	3
SOC 30400	The Sociology of Gender Roles	3
SW 24000	Human Diversity and Social Justice	3

Additional courses in any department may be substituted with permission from the program. A maximum of two courses in the same department may be applied towards the requirements for the minor.

Interdisciplinary Studies Program

A degree in Interdisciplinary Studies prepares you for multiple career opportunities. As a student in this program, you will expand your knowledge of human cultures as well as the physical and natural world, enhance your ability to communicate effectively in written, spoken, and digital forms, and develop essential habits of mind for solving problems strategically and collaboratively by crossing disciplinary boundaries. All this involves skills in teamwork, project management, computer and multimedia competency, and effective time management. Many government, business, and non-profit organizations, as well as other employers, are looking for graduates with these cross-disciplinary skills. A Bachelor of Arts in interdisciplinary studies may be earned traditionally or online.

INTERDISCIPLINARY STUDIES, BA

36 credit hours

A degree in Interdisciplinary Studies prepares you for multiple career opportunities. As a student in this program, you will expand your knowledge of human cultures as well as the physical and natural world, enhance your ability to communicate effectively in written, spoken, and digital forms, and develop essential habits of mind for solving problems strategically and collaboratively by crossing disciplinary boundaries. All this involves skills in teamwork, project management, computer and multimedia competency, and effective time management. Many government, business, and non-profit organizations, as well as other employers, are looking for graduates with these cross-disciplinary skills. A Bachelor of Arts in interdisciplinary studies may be earned traditionally or online.

In addition to the general education (GE) courses required of all undergraduate students (42 credit hours), the degree in Interdisciplinary Studies also requires a minimum grade of C in the following concentrations and courses:

Requirements

Major Coursework

27 credit hours of coursework from Concentration I, II, and III

Concentration I: Nine credit hours from any subject prefix (same course prefix); concentrations cannot be duplicated; at least one course must be at 30000-40000-level; courses may not be used to satisfy GE requirement.

Concentration II: Nine credit hours from any subject prefix (same course prefix); concentrations cannot be duplicated; at least one course must be at 30000-40000-level; courses may not be used to satisfy GE requirement.

Concentration III: Nine credit hours from any subject prefix (same course prefix); concentrations cannot be duplicated; at least one course must be at 30000-40000-level; courses may not be used to satisfy GE requirement.

Examples of possible concentration combinations include:

Community Engagement: completing concentrations in Political Science (PS), and English (ENGL) or Philosophy & Religion (PHRL).

Cultural Studies: completing concentrations in three of the following— English (ENGL), Philosophy & Religion (PHRL), Sociology (SOC), or Spanish (SPA).

Global Leadership: completing concentrations in Management (MGMT), International Business (INTL) or Political Science (PS), and English (ENGL).

Interpersonal Communication: completing concentrations in English (ENGL), Communications (COM), and Psychology (PSY).

Political Media: completing concentrations in English (ENGL), Political Science (PS), and Digital Content Strategies (DCS).

Urban Studies: completing concentrations in Geography (GEO), Criminology and Criminal Justice (CCJ), and Public Health (PHS).

It is recommended that at least one concentration be from one of the following programs in the College of Arts & Humanities: English (ENGL), Geography (GEO), History (HIST), Philosophy & Religion (PHRL), Political Science (PS), and Spanish (SPA).

Practical Application Coursework

3 credit hours of coursework from the following options:

IS 40100	Interdisciplinary Research	3
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Elective Coursework

6 credit hours of IS (Interdisciplinary Studies) 30000-40000-level coursework:

At their advisor's discretion, students may take a fourth course at the 30000-level or above in one of their concentrations and thereby satisfy three of these six required IS credit hours.

No duplication of coursework is permitted within the program.

INTERDISCIPLINARY STUDIES, BA EMERGENT DIGITAL PRACTICES EMPHASIS

36 credit hours

The Interdisciplinary Studies major is grounded in flexibility and customization, which allows students to choose emphases that provide a cohesive thematic framework to their studies and broad professional pathways upon graduation. One of the emphases is Emergent Digital Practices, which serves students interested in multiple nascent technologies, their artistic expression, and human application. The emphasis draws knowledge from various programs, such as Art and Design, Gaming, Cybersecurity, Information Technology, English, and Philosophy and Religion. The skills developed in the Emergent Digital Practices emphasis expand students' knowledge of the intersection of arts and technology, increase their creativity, and ensure a broad career pathway in several relevant fields, such as game and product design, and software and human interfacing, among others.

Students must complete their choice of two of the four concentrations, and at least 3 credit hours must be at the 30000-level in each concentration:

Requirements

Major Coursework

12 credit hours of coursework from the following options:

AAD 31100	Extended Realities (XR/AR/VR)	3
CAH 36500	Digital Research	3
IS 40100	Interdisciplinary Research	3
PHRL 21201	Ethics, Media, & Technology	3

Concentration 1: Art & Design Coursework

6 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 12000	Digital Foundations	3

Concentration 1: Art & Design Additional Coursework

6 credit hours AAD coursework from the following options:

AAD 10050	Web Design I	3
AAD 11000	Programming Logic	3
AAD 14000	Visual Storytelling	3
AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3

Concentration 2: Game Design Coursework

6 credit hours of coursework from the following options:

GAM 10000	Introduction to Game Design	3
GAM 36800	Game Development	3

Concentration 2: Game Design Additional Coursework

6 credit hours GAM coursework from the following options:

GAM 30100	Team Studio I	3
GAM 31000	Scripting for Games	3
GAM 32000	Audio for Games	3
GAM 33000	Game Testing	3

Concentration 3: Cybersecurity Coursework

6 credit hours of coursework from the following options:

ICS 21300	Foundations of Information Technology	3
ICS 31000	Foundations of Cybersecurity	3

Concentration 3: Cybersecurity Additional Coursework

6 credit hours of ICS / IIT coursework from the following options:

ICS 32700	Network and Cloud Security	3
ICS 42100	Ethical Hacking	3
IIT 21500/CSC 10011	IIT 21500 Programming Logic and Design or CSC 10011 Introduction to Computer Science: Python	3
IIT 33400	Ethical Issues in Cybersecurity	3

Concentration 4: Software Development Coursework

6 credit hours of coursework from the following options:

ICS 21300	Foundations of Information Technology	3
IIT 31400	Agile Software Development	3

Concentration 4: Software Development Additional Coursework

6 credit hours of ICS / IIT coursework from the following options:

ICS 43200	Secure Software Development	3
IIT 21500/CSC 10011	IIT 21500 Programming Logic and Design or CSC 10011 Introduction to Computer Science: Python	3
IIT 34020	Mobile Applications Programming	3
IIT 34050	C# Programming	3
IIT 37700	Fundamentals of HTML	3
IIT 37800	Applications in Web Development	3
IIT 47700	Fundamentals of User Interface Design	3
IIT 48100	Project Management in Information Technology	3

No duplicate coursework permitted within the program, and no courses may satisfy both program requirements and General Education requirements simultaneously.

INTERDISCIPLINARY STUDIES, BA HEALTH AND SOCIETY EMPHASIS

36 credit hours

The Interdisciplinary Studies major is grounded in flexibility and customization, which allows students to choose emphases that provide a cohesive thematic framework to their studies and broad professional pathways upon graduation. The Health and Society emphasis serves students interested in the health care fields and draws knowledge from the disciplines of Psychology, Public Health, and Humanities, such as English, Philosophy, and Religion. The skills developed in the Health and Society emphasis will enhance students' confidence and expertise in communication and human care.

Students must complete their choice of two of the four concentrations, and at least 3 credit hours must be at the 30000-level in each concentration:

Requirements**Major Coursework**

12 credit hours of coursework from the following options:

ENGL 23000	Business Communications	3
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IS 31200	Drugs & Medicine	3
IS 31400	Sickness, Health, and Story	3
IS 40100	Interdisciplinary Research	3

IS 31200 Drugs & Medicine may be replaced with another IS 30000-level course with the permission of the Department Head.

Concentration 1: English Coursework

6 credit hours of coursework from the following options:

ENGL 25000/SPA 25000	Multiculturalism and Multilingualism	3
ENGL 31200	Technical Writing	3

Concentration 1: English Additional Coursework

6 credit hours ENGL coursework from the following options:

ENGL 20108	World Literature: Text Messages from Beyond the Grave	3
ENGL 22200	Writing about Reality	3
ENGL 27500	Gender: Body, Mind, and Power	3
ENGL 34400/SPA 34400	LatinX Literature	3

Concentration 2: Philosophy & Religion Coursework

6 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 21202	Bioethics	3

Concentration 2: Philosophy & Religion Additional Coursework

6 credit hours PHRL coursework from the following options:

PHRL 10000	Moral Life	3
PHRL 34400	Philosophy of Science	3
PHRL 34800	Mind, Brain, Machine?	3

Concentration 3: Psychology Coursework

6 credit hours of PSY coursework from the following options:

PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3

Concentration 3: Psychology Additional Coursework

6 credit hours of PSY coursework from the following options:

PSY 18100	Cultural Psychology	3
PSY 23500	Death, Dying, Life, & Living	3
PSY 31200	Psychology of Aging	3
PSY 32100	Health Psychology	3

Concentration 4: Public Health Coursework

6 credit hours of PHS coursework from the following options:

PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3

Concentration 4: Public Health Additional Coursework

6 credit hours of PHS coursework from the following options:

PHS 24000	Global Health	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 37000	Health Promotion	3

No duplicate coursework permitted within the program, and no courses may satisfy both program requirements and General Education requirements simultaneously.

Spanish Program**SPANISH MINOR**

21 credit hours

The minor in Spanish requires 21 credit hours (three of which may be taken abroad during the summer). Students with previous knowledge of Spanish who place above the SPA 10100 level must take as many SPA courses (beyond the elementary level) as needed to complete the 21 credit hours required for the minor.

Requirements**Minor Coursework**

18 credit hours of coursework from the following options:

SPA 10100	Elementary Spanish I	3
SPA 10200	Elementary Spanish II	3
SPA 20100	Intermediate Spanish I	3
SPA 20200	Intermediate Spanish II	3
SPA 30500	Advanced Spanish Language	3
SPA 31000	Hispanic Cultures I	3

Practical Application Coursework

3 credit hours of coursework from the following option:

SPA 36000	Spanish Internship I	3
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or

Practical Application Coursework II

3 credit hours of Summer Study Abroad coursework from the following options:

SPA 32100	Practical Oral/Written Expression	3-6
SPA 32101	Advanced Spanish Grammar	3

Seminar Coursework

Students in a gap semester (that is, a semester in which they are not enrolled in any other SPA coursework) must enroll in SPA 10000 (a zero-credit course).

SPA 10000	Spanish Seminar	0
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SPANISH CERTIFICATE

18 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

The Certificate in Spanish will allow students to gain the necessary skills to successfully communicate in Spanish at the Intermediate-Advanced level. After completing the required coursework and culminating learning experience, students will be able to effectively communicate, in speaking and writing, with the majority of Spanish-speaking individuals that they may encounter in their professional lives (i.e. patients, clients, students, coworkers, business associates, etc.) While all courses include some element of culture, these courses focus on developing speaking, listening, reading, and writing skills in addition to cultural awareness and sensitivity. This certificate is only available to students starting at SPA 10100 or SPA 10200, and students placing into SPA 10200 must take a further three-credit-hours in SPA beyond the courses completed in satisfaction of the below requirements.

Requirements**Certificate Coursework**

15 credit hours of coursework from the following options:

SPA 10100	Elementary Spanish I	3
SPA 10200	Elementary Spanish II	3
SPA 20100	Intermediate Spanish I	3
SPA 20200	Intermediate Spanish II	3
SPA 30500	Advanced Spanish Language	3

Practical Application Coursework

3 credit hours of coursework from the following option:

SPA 36000	Spanish Internship I	3
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or

Practical Application Coursework II

3 credit hours of Summer Study Abroad coursework from the following options:

SPA 32100	Practical Oral/Written Expression	3-6
SPA 32101	Advanced Spanish Grammar	3

Other Language Offerings

In addition to the minor and certificate in Spanish, the College of Arts and Humanities offers courses in Chinese, French, and German languages.

Human Culture and Society**African American Studies Program****AFRICAN AMERICAN STUDIES MINOR**

18 credit hours

The African American Studies Minor provides students with an interdisciplinary approach to the study of African-descended peoples and cultures in the United States and throughout the African Diaspora. Students will explore the four hundred years of history, cultural expressions, and beliefs that shape African Americans today. This interdisciplinary curriculum will give students a multifaceted, global vision of contemporary racial formations in the United States.

Requirements

Minor Coursework

3 credit hours of coursework from the following option:

AFAM 20000	Introduction to African American Studies	3
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African-Descended Peoples and Cultures Coursework

6 credit hours of coursework from the following options:

ENGL 23500	American Literature: Slavery and War	3
ENGL 37600	African American Literature	3
HIST 36200	Slavery and Capitalism across the Atlantic	3
PHRL 22200	African American Religions	3

Racial Formations Coursework

6 credit hours of coursework from the following options:

AST 20001	Introduction to American Studies	3
CCJ 32000	Race, Crime, and Punishment	3
ENGL 23500	American Literature: Slavery and War	3
ENGL 23800	Into the Promised Land: Race and Ethnicity in American Literature	3
ENGL 23900	Faulkner: Southern Belles and Racism	3
ENGL 37600	African American Literature	3
HIST 11600	US History: America through the History of Race	3
HIST 33400	History of Racism in America	3

HIST 36200	Slavery and Capitalism across the Atlantic	3
PHRL 22200	African American Religions	3
SOC 31800	Race, Ethnicity, and Gender	3

Broader Perspectives Coursework

3 credit hours of coursework from the following options:

ARTH 22700	Global Art History III: From Colonial Vistas to Avant-Garde Horizons	3
AST 20001	Introduction to American Studies	3
AST 32000/HIST 32000	America: The Search for a More Perfect Union	3
CCJ 22500	Comparative Crime and Justice Studies	3
CCJ 32000	Race, Crime, and Punishment	3
DAN 10030	Jazz I: Beginning Level	2
DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
ECON 43030	Urban and Regional Economics	3
EDU 27700	Know Yourself, Know Your World: Education in the Global Community	3
ENGL 23500	American Literature: Slavery and War	3
ENGL 23800	Into the Promised Land: Race and Ethnicity in American Literature	3
ENGL 23900	Faulkner: Southern Belles and Racism	3
ENGL 37600	African American Literature	3
HIST 11600	US History: America through the History of Race	3
HIST 32000/AST 32000	America: The Search for a More Perfect Union	3
HIST 33400	History of Racism in America	3
HIST 36200	Slavery and Capitalism across the Atlantic	3
HRM 36560	Implementing and Managing Diversity	3
MUS 15500	Jazz History	3
PHRL 22200	African American Religions	3
PHS 22000	Public Health and Social Justice	3
SOC 31800	Race, Ethnicity, and Gender	3
SOC 32100	Urban Sociology	3
SW 20000	Intercultural Communication	3
SW 24000	Human Diversity and Social Justice	3

No duplication of coursework is permitted within the program.

Geography and Geographic Information Systems (GIS) Program

GEOGRAPHY MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

GEO 10100	World Regional Geography	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3

Elective Coursework I

3 credit hours of coursework from the following options:

BSC 11200	Environmental Biology	4
BSC 11400	Principles of Environmental Biology	3
ESC 10000	Physical Geology with Lab	4
ESC 10500	Survey of Geology	3
ESC 11000	Introductory Meteorology	3
ESC 11200	Fundamentals of Environmental Science	4
ESC 12000	Oceanography	3
GEO 11500	Physical Geography	4

Elective Coursework II

9 credit hours of coursework from the following options:

GEO 10300	Human Geography	3
GEO 11500	Physical Geography	4
GEO 20400	Remote Sensing	3
GEO 20700	World Economic Geography	3
GEO 28000-28099	Special Topics	3
GEO 28100-28199	Special Topics	3
GEO 28200-28299	Special Topics	3
GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
GS 20101	A Global Introduction to Gender Studies	3
HIST 26100	History of the Contemporary World	3
MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3
PS 18000	Introduction to International Relations	3
SOC 32100	Urban Sociology	3

No duplication of coursework is permitted within the program.

GEOGRAPHIC INFORMATION SYSTEMS (GIS) CERTIFICATE

15-16 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

In the Certificate in Geographic Information Systems (GIS), you work to develop the necessary skills to successfully and confidently apply the software in a variety of professions, including urban planning, health sciences, data analysis, environmental sciences, business, and many others. As a part of the coursework, students will examine the range of sources that can be combined to build a GIS database, including aerial imagery, scanned historic maps, raw data, and data collected from Global Positioning Systems. A certificate in Geographic Information Systems (GIS) requires 15 hours of course work, including:

Requirements

Certificate Coursework

12 credit hours of coursework from the following options:

GEO 20000	Introduction to Geographic Information Systems (GIS)	3
GEO 20400	Remote Sensing	3
GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
GEO 40100	Internship in Geographic Information Systems (GIS)	3

Note: all students earning the GIS Certificate must complete a formative educational experience such as an internship, courses that are field-work intensive, study abroad, and so on. Relevant instances of such experiences completed in other programs may substitute for the GEO 40100 requirement at the discretion of the program.

Elective Coursework

3-4 credit hours of coursework from the following options:

BSC 24800	Introduction to Ecology and Evolution	4
CSC 10011	Introduction to Computer Science: Python	3
GEO 10100	World Regional Geography	3
GEO 10300	Human Geography	3
GEO 11500	Physical Geography	4
GEO 20700	World Economic Geography	3
GEO 30200	Droning and Coding	3
HIST 30200	Public History	3
MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

History Program

HISTORY, BA

36 credit hours

Study what you love with the history major. Use the skills you learn to think critically, be an agile problem solver, and communicate complex ideas to a wide range of audiences. Earn a solid foundation in American, European, and non-Western history. Focus on regions, time periods, or topics that are exciting to you. Our program opens doors to a variety of careers through personalized mentoring from award-winning faculty, all of whom are ready to help prepare you to be a success. You'll learn the art of thinking historically and understanding the world around you with all its engaging ideas and subtle differences. You'll see the world and how you fit into it.

Requirements**Major Coursework**

6 credit hours of coursework from the following options:

HIST 20100	Historical Methods	3
HIST 48100	Senior Seminar in History	3

Professional Preparation Coursework

3 credit hours of coursework from the following options:

HIST 30100	Applied History	3-6
HIST 40100	History Internship	3-6

Note: students majoring in HIST and completing the Minor in Secondary Education for Social Sciences certification may satisfy this requirement by completing EDU 41000 Student Teaching.

Non-Western Foundation Coursework

3 credit hours of coursework from the following options:

HIST 26000	Modern Middle East History	3
HIST 26300	History of Latin America	3
HIST 26400	History of Asia	3

Diversity and Global Citizenship Coursework

3 credit hours of coursework from the following options:

HIST 24200	History of Modern Europe	3
HIST 24400	The Nazi State	3
HIST 24500	History of the British Isles	3
HIST 26000	Modern Middle East History	3
HIST 26300	History of Latin America	3
HIST 26400	History of Asia	3

Research Skills Seminar Coursework

3 credit hours of coursework from the following options:

HIST 32400	The Growth of Modern America, 1877-1914	3
HIST 32500	Social Movements in 20th Century America	3
HIST 36400	Migration in World History	3

U.S. Culture and Diversity Coursework

6 credit hours of coursework from the following options:

HIST 30200	Public History	3
HIST 32000/AST 32000	America: The Search for a More Perfect Union	3
HIST 32100	The Origins of the United States to 1800	3
HIST 32200	The Age of Jackson	3
HIST 32300	The Civil War and Its Legacies	3
HIST 32400	The Growth of Modern America, 1877-1914	3
HIST 32500	Social Movements in 20th Century America	3
HIST 32600	The United States in the Age of the Cold War	3
HIST 33100	History of Gender in America	3
HIST 33200	A Biography of the Constitution	3
HIST 33300	The American West 1830-1960	3
HIST 33400	History of Racism in America	3

Global Culture and Diversity Coursework

6 credit hours of coursework from the following options:

HIST 34200	The Civilization of Industrialism	3
HIST 34300	The Soviet Union and European Communism	3
HIST 36200	Slavery and Capitalism across the Atlantic	3
HIST 36300	Revolution in the Modern World	3
HIST 36500	Jews in the Modern World	3
HIST 36600	Islam from the Prophet to the Present	3

Elective Coursework

6 credit hours from any HIST coursework at or above the 30000-level.

Students pursuing grades 9-12 Social Science teaching certification must fill these elective credits by taking additional courses listed above under US Culture and Diversity Coursework.

1) Some relevant coursework from other disciplines (especially GEO and PS) may be accepted as substitute requirements with the permission of the department head.

2) Students interested in pursuing grades 9-12 Social Science teaching certification must also complete the Social Science minor as well as a minor in secondary education.

No duplication of coursework within the program is allowed.

SOCIAL SCIENCES SECONDARY EDUCATION CERTIFICATION PREPARATION

See the description of the minor in secondary education (Grades 9-12) in the College of Education and Human Services section of this catalog. (p. 150)

To fulfill the academic requirements of eligibility for certification to teach social science at the secondary level (Grades 9-12) students must complete a major in history, a minor in social studies or additional certification requirements as required by DESE, a minor in secondary education (Grades 9-12), and methods course.

HISTORY MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours HIST coursework at or above the 30000-level.

Elective Coursework

12 credit hours of HIST coursework except for HIST 15500, HIST 20100, HIST 30100, HIST 40100, or HIST 48100.

Study Abroad courses may satisfy minor requirements with permission of Department Head.

No duplicate coursework within the minor requirements.

PUBLIC HISTORY MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

HIST 20100	Historical Methods	3
HIST 30200	Public History	3

Practical Application Coursework

3 credit hours of coursework from the following option:

HIST 40100	History Internship	3-6
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Elective Coursework

9 credit hours of coursework from the following options:

AAD 10050	Web Design I	3
AAD 18101	Digital Photography I	3
COM 12300	Media Design Foundations	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
REC 20100	Fundamentals of Interpretation	3

SOCIAL STUDIES MINOR

18 credit hours

This minor is recommended for students majoring in history who are seeking certification to teach social studies at the secondary level. See a history advisor about this minor.

Requirements

Minor Coursework

15 credit hours of coursework from the following options:

ECON 23010	Survey of Economics	3
PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PSY 10000	Principles of Psychology	3
SOC 10200	Basic Concepts of Sociology	3

Geography Coursework

3 credit hours of coursework from the following options:

GEO 10100	World Regional Geography	3
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Philosophy & Religion Program

PHILOSOPHY & RELIGION, BA

36 credit hours

Studying philosophy and religion will prepare you for a wide variety of careers by expanding your engagement with the world's major philosophical and religious intellectual traditions. Philosophy explores what is real, what we know, how we should think, and how we should act, while religion reflects on the many ways through which communities have constructed and articulated the meaningfulness of human life. You will not only learn what you can do but also what you should do.

Requirements

Major Coursework

3 credit hours of coursework from the following option:

PHRL 34600	Philosophy of Religion	3
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Logic Coursework

3 credit hours of coursework from the following options:

PHRL 21000	Practical Logic for Daily Life	3
PHRL 21001	Traditional Logic	3
PHRL 21002	Symbolic Logic	3

Ethics Coursework

3 credit hours of coursework from the following options:

PHRL 10000	Moral Life	3
PHRL 10200	Philosophy of Love	3
PHRL 21200	Ethics & Human Action	3
PHRL 21201	Ethics, Media, & Technology	3
PHRL 21202	Bioethics	3

PHRL 30000	The Natural Law	3
PHRL 34300	Free Will	3

Investigating Diverse Religious Traditions Coursework

3 credit hours of coursework from the following options:

PHRL 22200	African American Religions	3
PHRL 31601	Islam and the West	3
PHRL 31602	Religions of India	3
PHRL 31603	Religions of China	3

Philosophy & Religion Elective Coursework

21 credit hours of additional PHRL courses with at least 12 of these credits at or above the 30000 level courses.

Students may also pursue an interdisciplinary course of study and substitute 9 credit hours of relevant coursework within the following interdisciplinary frameworks, or another proposed framework with the approval of the department head:

Art and Literature

Any ARTH, ENGL course at or above the 20000-level, CINE 33600, or CINE 37000.

Economics, Political Science, Public Health

Any ECON, MGMT, PHS, or PS course at or above the 20000-level, or COM 10200.

History and Culture

Any AST, HIST, or PS course at or above the 20000-level.

Any GEO course at or above the 30000-level.

Mathematics and Computer Science

Any CSC or MTH course at or above the 20000-level.

Natural Sciences

Any BSC, CHM, ESC, or PHY course at or above the 30000-level.

Social Science

Any GEO, GS, PSY, or SOC course at or above the 30000-level.

Culminating Experience Coursework

3 credit hours of coursework from the following options:

PHRL 40000	Senior Project	3
PHRL 40101	Philosophy & Religion Internship	1-6

Students who have a second major or are completing another for-credit credential that requires a comparable culminating experience may submit a request to the program to waive this requirement and, if approved, substitute an additional PHRL course at or above 30000-level course.

No duplication of coursework is permitted within the program.

CRITICAL THINKING MINOR**18 credit hours**

The minor in critical thinking is an interdisciplinary minor that combines a philosophical approach to logic and critical thinking with the application of those skills in an area of your interest. The minor combines theoretical and practical approaches to critical thinking that will enhance any degree.

Requirements**Minor Coursework**

9 credit hours of coursework from the following options, one of which must be a Logic course and one of which must be a 30000-level course:

PHRL 10400	The Examined Life	3
PHRL 10600	Self & Identity	3
PHRL 21000	Practical Logic for Daily Life	3
PHRL 21001	Traditional Logic	3
PHRL 21002	Symbolic Logic	3
PHRL 34000	Truth, Reality, & Virtual Reality	3
PHRL 34300	Free Will	3
PHRL 34400	Philosophy of Science	3
PHRL 34600	Philosophy of Religion	3
PHRL 34800	Mind, Brain, Machine?	3

Elective Coursework

9 credit hours of coursework from the following options:

ARTH, AST, CSC, ECON, ENGL, GS, HIST, MGMT, PHS, PS at or above the 20000-level.

BSC, CHM, ESC, GEO, PHRL, PHY, PSY, SOC at or above the 30000-level.

CINE 33600, CINE 37000, or COM 10200.

Other course substitutions may be possible with the permission of the department head.

No duplication of coursework is permitted within the program.

ETHICAL REASONING MINOR**18 credit hours**

The minor in ethical reasoning is an interdisciplinary minor that combines a philosophical approach to ethical reasoning with the application of ethics in areas of your interest. The minor combines theoretical and practical approaches to ethical reasoning that will enhance any degree.

Requirements**Minor Coursework**

3 credit hours of coursework from the following options:

PHRL 21000	Practical Logic for Daily Life	3
PHRL 21001	Traditional Logic	3

PHRL 21002 Symbolic Logic 3

6 credit hours of coursework from the following options:

PHRL 10000 Moral Life 3
 PHRL 10200 Philosophy of Love 3
 PHRL 10400 The Examined Life 3
 PHRL 10600 Self & Identity 3
 PHRL 21200 Ethics & Human Action 3
 PHRL 21201 Ethics, Media, & Technology 3
 PHRL 21202 Bioethics 3
 PHRL 30000 The Natural Law 3
 PHRL 30200 Political Philosophy 3
 PHRL 30400 Philosophy of Law 3
 PHRL 34300 Free Will 3

Elective Coursework

9 credit hours of coursework from the following options:

HIST, PHRL, PSY, SOC, SW at or above 10000-level.

ARTH, AST, ECON, ENGL, GS, PS at or above 20000-level.

CCJ, HRM, INTL at or above 30000-level.

MGMT 26061, MGMT 36062, MGMT 38900

Other course substitutions may be possible with the permission of the department head.

No duplication of coursework is permitted within the program.

PHILOSOPHY MINOR

18 credit hours

The philosophy minor prepares students to engage in occupations that require critical reading, writing, and communication skills. It prepares students for graduate training in philosophy in pursuit of credentials to teach at the secondary or post-secondary levels. It also prepares students for graduate training in fields such as law, business, and medicine because students who study philosophy tend to register high scores on graduate exams. It also enhances students' understanding of their own fields by addressing fundamental questions not covered elsewhere. Given philosophy's central role in a humanistic education, it also prepares students for life as well-rounded individuals and citizens of a global community.

Requirements

Minor Coursework

9 credit hours of coursework with at least 3 credit hours selected from each of the following areas:

Ethics Coursework

PHRL 10000 Moral Life 3
 PHRL 10200 Philosophy of Love 3

PHRL 10400 The Examined Life 3
 PHRL 21200 Ethics & Human Action 3
 PHRL 21201 Ethics, Media, & Technology 3
 PHRL 21202 Bioethics 3
 PHRL 21400 Philosophy of Art 3
 PHRL 30000 The Natural Law 3
 PHRL 30200 Political Philosophy 3
 PHRL 30400 Philosophy of Law 3
 PHRL 34300 Free Will 3

Logic Coursework

PHRL 21000 Practical Logic for Daily Life 3
 PHRL 21001 Traditional Logic 3
 PHRL 21002 Symbolic Logic 3

Advanced Philosophical Subject Coursework

PHRL 34000 Truth, Reality, & Virtual Reality 3
 PHRL 34300 Free Will 3
 PHRL 34400 Philosophy of Science 3
 PHRL 34600 Philosophy of Religion 3
 PHRL 34800 Mind, Brain, Machine? 3

Elective Coursework

9 credit hours of coursework from any one of the following concentrations:

Economics, Political Science, and Public Health Concentration:

Any ECON, MGMT, PHS, or PS course at or above the 20000-level, or COM 10200.

Art and Literature Concentration:

Any ARTH, ENGL course at or above the 20000-level, CINE 33800, or CINE 34000.

History and Culture Concentration:

Any AST, HIST, or PS course at or above the 20000-level.

Any GEO course at or above the 30000-level.

Mathematics and Computer Science Concentration:

Any CSC or MTH course at or above the 20000-level or the course listed below.

MGMT 24000 Introduction to Information Systems 3

Natural Science Concentration:

Any BSC, CHM, ESC, or PHY course at or above the 30000-level, or any SCI course.

Philosophy and Religion Concentration:

Any PHRL course at or above the 30000-level.

Social Science Concentration:

Any GEO, GS, PSY, or SOC course at or above the 30000-level.

No duplication of coursework is permitted within the program.

RELIGION MINOR

18 credit hours

Why do people make the decisions that they make? What values guide them through their lives? What hopes help them face their fears? People throughout history and around the world have developed religious traditions to answer life's biggest questions. Studying Religion will not only help you develop important transferable skills in areas like critical thinking, communication, research, and analysis. It will also teach you to understand yourself and your fellow human beings better while giving insight into the religious identities, practices, and ideas that shape every aspect of our world.

Requirements

Minor Coursework

Orientation Coursework

3 credit hours of coursework from the following options:

PHRL 11000	Star Wars and Religion	3
PHRL 11200	World Religion: The Meaning of Life	3
PHRL 11400	The Bible	3
PHRL 11600	World Religions	3

Foundation Coursework

3 credit hours of coursework from the following options:

PHRL 20000	The Story of Christianity	3
PHRL 20200	Religion in America	3
PHRL 20400	Women, Religion, and Violence	3
PHRL 20600	Jesus	3
PHRL 20800	Christianity and Politics	3
PHRL 22000	Introducing Judaism	3
PHRL 22200	African American Religions	3

Thematic Investigations Coursework

3 credit hours of coursework from the following options:

PHRL 31000	Religion and the History of Science	3
PHRL 31200	The Psychology of Religion	3
PHRL 31400	New Religious Movements in America	3
PHRL 31601	Islam and the West	3
PHRL 31602	Religions of India	3
PHRL 31603	Religions of China	3
PHRL 33000	Christian Theology	3
PHRL 33400	Protestant and Catholic Reformations	3

Elective Coursework I

6 additional credit hours of coursework selected from the 20000-30000-level courses listed above.

Elective Coursework II

3 additional credit hours of coursework from the options listed above or the following options:

PHRL 34600	Philosophy of Religion	3
PHRL 40101	Philosophy & Religion Internship	1-6

Some other relevant courses may be accepted with approval from the department head.

No duplication of coursework is permitted within the program.

Political Science Program

POLITICAL SCIENCE, BA

36 credit hours

So, you want to change the world – a Bachelors of Arts in Political Science will help you do that. You will have the opportunity to learn about how governments create public policy, how the U.S. Constitution and Courts inform and interpret that policy, and how WE THE PEOPLE influence the government through political engagement, campaigns, and elections. The power skills you will learn as a political science major prepares you for careers in the legal profession, government service, political campaigns, non-profit organizations, and businesses. You will also have opportunities to develop relationships with experienced political science faculty through small class sizes, an emphasis on mentoring, and relevant internships. We will teach you how to market your skills and knowledge to employers or graduate programs as you embark on your quest to change the world.

Requirements

Major Coursework

15 credit hours of coursework from the following options:

PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PS 20000	Methods for Political Science	3
PS 30000	Comparative Analysis	3
PS 33500	Public Administration	3

International Relations Coursework

3 credit hours of coursework from the following options:

PS 38200	American Foreign Policy	3
PS 38400	International Relations Theory	3

Political and Legal Philosophy Coursework

3 credit hours of coursework from the following options:

PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3
PHRL 30400	Philosophy of Law	3

Culminating Experience Coursework

3 credit hours of coursework from the following options:

PS 47500	Political Literacy	3
PS 47800	Intelligence, Military, and National Policy	3

Elective Coursework

12 credit hours of coursework (6 credit hours of which must be political science [PS] courses) from the following options, as well as, PS special topics courses:

FIN 32015	International Finance	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
HIST 24400	The Nazi State	3
HIST 32500	Social Movements in 20th Century America	3
HIST 32600	The United States in the Age of the Cold War	3
HIST 33200	A Biography of the Constitution	3
HIST 34300	The Soviet Union and European Communism	3
HIST 36300	Revolution in the Modern World	3
MGMT 38900	Game Theory	3
PHRL 20800	Christianity and Politics	3
PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3
PHRL 30400	Philosophy of Law	3
PHRL 32400	Modern Philosophy	3
PS 28300	Chinese Culture and Etiquette	3
PS 31000	Congress, the Presidency, and the Party System	3
PS 31100	American Constitutional Law	3
PS 31200	Law, Politics, and the Courts	3
PS 33050	Political Economy	3
PS 33200	Political Psychology	3
PS 33500	Public Administration	3
PS 34500	Campaigns and Elections	3
PS 36000	Civil Liberties	3
PS 36700	Directed Research	1-6
PS 38000	Diplomatic Affairs: Peace and Conflict Resolution	3
PS 38100	Governing Europe	3
PS 38200	American Foreign Policy	3
PS 38300	Transpacific Relations	3
PS 38360	Seapower: History and Application	3

PS 38400	International Relations Theory	3
PS 38510	Ideology and International Relations	3
PS 38700	Paris 1919: Making of the Modern World	3
PS 38900	Geopolitics, Grand Strategy, and War	3
PS 45000	Political Science Internship	1-6

Also required is MTH 14100 to fulfill GE-Math requirement.

No duplication of coursework is permitted within the program.

POLITICAL SCIENCE, BA INTERNATIONAL RELATIONS EMPHASIS

36 credit hours

An international relations emphasis in Political Science makes your resume distinctive, creating an excellent foundation for future success in various fields. In this program, you will develop marketable power skills, such as cultural competency, critical thinking, ethical reasoning, and written and oral communication. You can apply your knowledge of diplomacy, risk assessment, international trade and development, and defense policymaking to enable the military, government, political campaigns, non-profit organizations, and businesses thrive in a complex global environment. The International Relations emphasis is designed to maximize your options, allowing you tell your own story and change the world.

Requirements

Major Coursework

18 credit hours of coursework from the following options:

PS 15500	American Government: The Nation	3
PS 18000	Introduction to International Relations	3
PS 20000	Methods for Political Science	3
PS 30000	Comparative Analysis	3
PS 38200	American Foreign Policy	3
PS 38400	International Relations Theory	3

Political and Legal Philosophy Coursework

3 credit hours of coursework from the following options:

PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3
PHRL 30400	Philosophy of Law	3

Culminating Experience Coursework

3 credit hours of coursework from the following options:

PS 47500	Political Literacy	3
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PS 47800 Intelligence, Military, and National Policy 3

Elective Coursework

9 credit hours of coursework (6 credit hours of which must be political science [PS] courses) from the following options, as well as, PS special topics courses:

FIN 32015	International Finance	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
HIST 24400	The Nazi State	3
HIST 34300	The Soviet Union and European Communism	3
HIST 36300	Revolution in the Modern World	3
MGMT 38900	Game Theory	3
PHRL 20800	Christianity and Politics	3
PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3
PS 28300	Chinese Culture and Etiquette	3
PS 33050	Political Economy	3
PS 33200	Political Psychology	3
PS 33500	Public Administration	3
PS 36500	Appreciating Political Books	1-6
PS 36700	Directed Research	1-6
PS 38000	Diplomatic Affairs: Peace and Conflict Resolution	3
PS 38100	Governing Europe	3
PS 38300	Transpacific Relations	3
PS 38350	Issues in Asia-Pacific Security	3
PS 38360	Seapower: History and Application	3
PS 38370	Creating Contemporary China	3
PS 38500	Politics and Culture	3
PS 38510	Ideology and International Relations	3
PS 38600	Origins of War: How the World Stumbles into War	3
PS 38700	Paris 1919: Making of the Modern World	3
PS 38900	Geopolitics, Grand Strategy, and War	3
PS 45000	Political Science Internship	1-6
PS 47500	Political Literacy	3
PS 47800	Intelligence, Military, and National Policy	3

Also required is MTH 14100 to fulfill GE-Math requirement.

No duplication of coursework is permitted within the program.

POLITICAL SCIENCE, BA PRE-LAW EMPHASIS

36 credit hours

The legal profession needs people with essential power skills such as reading comprehension, critical thinking, ethical reasoning, and written and oral communication. Lindenwood's Pre-Law Emphasis in Political Science is especially designed to equip students with the knowledge, skills, and real-world experience necessary to succeed on the LSAT and in law school. Our alumni testify to the practicality of the mentoring and preparation they received from our knowledgeable and engaged faculty. Lindenwood's Pre-Law Emphasis in Political Science is the perfect start to your world-changing career.

Requirements

Major Coursework

18 credit hours of coursework from the following options:

PHRL 21001	Traditional Logic	3
PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PS 20000	Methods for Political Science	3
PS 31100	American Constitutional Law	3
PS 33500	Public Administration	3

Political and Legal Philosophy Coursework

3 credit hours of coursework from the following options:

PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3
PHRL 30400	Philosophy of Law	3

Culminating Experience Coursework

3 credit hours of coursework from the following options:

PS 47500	Political Literacy	3
PS 47800	Intelligence, Military, and National Policy	3

Elective Coursework

12 credit hours of coursework (6 credit hours of which must be political science [PS] courses) from the following options:

CCJ 32000	Race, Crime, and Punishment	3
CCJ 32100	White-Collar Crime	3
CCJ 35005	Women, Crime, and the Law	3
COM 40100	Communications Law & Ethics	3
HIST 33200	A Biography of the Constitution	3
HRM 36540	Employment Law	3
MGMT 26061	Business Law I	3
MGMT 36062	Business Law II	3
PHRL 20800	Christianity and Politics	3
PHRL 21000	Practical Logic for Daily Life	3
PHRL 21002	Symbolic Logic	3
PHRL 30000	The Natural Law	3
PHRL 30200	Political Philosophy	3

PHRL 30400	Philosophy of Law	3
PS 31200	Law, Politics, and the Courts	3
PS 33050	Political Economy	3
PS 36000	Civil Liberties	3
PS 36700	Directed Research	1-6
PS 38400	International Relations Theory	3
PS 38500	Politics and Culture	3
PS 45000	Political Science Internship	1-6
SPMGT 37060	Sport Law	3

No duplication of coursework is permitted within the program.

ASIAN STUDIES MINOR

18 credit hours

The Asia-Pacific region has become the highlight of the world's economic and political development in this century. Some scholars are already calling the 21st century the "Pacific Century," so prepare yourself for the global cutting edge with the Asian Studies minor. Gain the knowledge and skills you need to understand the politics, economics, and cultural traditions of the Asia-Pacific Region.

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

HIST 26400	History of Asia	3
PS 30000	Comparative Analysis	3
PS 38370	Creating Contemporary China	3

Elective Coursework

9 credit hours of coursework from the following options:

CHI 10100	Elementary Mandarin I	3
CHI 10200	Elementary Mandarin II	3
CHI 20100	Intermediate Mandarin I	3
CHI 20200	Intermediate Mandarin II	3
CINE 34000	History of World Cinema	3
PHRL 31602	Religions of India	3
PHRL 31603	Religions of China	3
PS 28300	Chinese Culture and Etiquette	3
PS 38300	Transpacific Relations	3
PS 38360	Seapower: History and Application	3
PS 47800	Intelligence, Military, and National Policy	3
PSY 21200	Japanese Culture, Society, and Mind	3

INTERNATIONAL RELATIONS MINOR

18 credit hours

This minor empowers students to develop marketable power skills such as cultural competency, analytical reasoning, adaptive reasoning, and effective communication. You can apply your knowledge to preparing governmental agencies, non-profit organizations, and business to thrive in a complex global environment.

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

PS 18000	Introduction to International Relations	3
PS 30000	Comparative Analysis	3
PS 38400	International Relations Theory	3

Elective Coursework

9 credit hours of coursework from the following options:

PS 28300	Chinese Culture and Etiquette	3
PS 38000	Diplomatic Affairs: Peace and Conflict Resolution	3
PS 38100	Governing Europe	3
PS 38200	American Foreign Policy	3
PS 38300	Transpacific Relations	3
PS 38370	Creating Contemporary China	3
PS 38510	Ideology and International Relations	3
PS 38600	Origins of War: How the World Stumbles into War	3
PS 38700	Paris 1919: Making of the Modern World	3
PS 38900	Geopolitics, Grand Strategy, and War	3
PS 47800	Intelligence, Military, and National Policy	3

POLITICAL SCIENCE MINOR

18 credit hours

This concentrated minor will empower you to develop essential power skills such as analytical thinking, adaptive problem solving, and effective communication, while engaging with experienced faculty committed to mentoring and personal academic development. You will learn about how governments, the U.S. Constitution, and political and issue campaigns, as well as creation and evaluation of public policy. You will apply your skills and knowledge as you embark on your quest to change the world.

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

PHRL 30200	Political Philosophy	3
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PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PS 30000	Comparative Analysis	3

Elective Coursework

6 credit hours of coursework from the following options:

MGMT 38900	Game Theory	3
PS 20000	Methods for Political Science	3
PS 31100	American Constitutional Law	3
PS 31200	Law, Politics, and the Courts	3
PS 33500	Public Administration	3
PS 34500	Campaigns and Elections	3
PS 36000	Civil Liberties	3
PS 36500	Appreciating Political Books	1-6
PS 36700	Directed Research	1-6
PS 38200	American Foreign Policy	3
PS 38400	International Relations Theory	3
PS 45000	Political Science Internship	1-6
PS 47500	Political Literacy	3

Also required is MTH 14100 to fulfill GE-Math requirement.

No duplication of coursework is permitted within the program.

PRE-LAW MINOR

18 credit hours

This concentrated minor targets the skills and knowledge essential for LSAT proficiency and success in a legal career. The American Bar Association recommends that candidates interested in law school should develop the ability to think critically, challenge your beliefs, improve your tolerance for uncertainty, structure and evaluate arguments, read critically, communicate effectively both verbal and written, listen actively, debating, and research. The course included in this minor hone these skills. The 18-hour credit structure complements any major, allowing nearly any Lindenwood student to complete this focused intellectual training without delaying graduation.

Requirements

Philosophy Coursework

3 credit hours of coursework from the following options:

PHRL 30000	The Natural Law	3
PHRL 30400	Philosophy of Law	3

Ethics Coursework

3 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 21201	Ethics, Media, & Technology	3

PHRL 21202	Bioethics	3
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Logic Coursework

3 credit hours of coursework from the following options:

PHRL 21001	Traditional Logic	3
PHRL 21002	Symbolic Logic	3

Constitution Coursework

6 credit hours of coursework from the following options:

HIST 33200	A Biography of the Constitution	3
PS 31100	American Constitutional Law	3
PS 36000	Civil Liberties	3

Additional Coursework

3 credit hours from HIST / PHRL / PS 20000-30000-level courses.

No duplication of coursework is permitted within the program.

PUBLIC ADMINISTRATION MINOR

18 credit hours

This minor allows students to develop essential power skills of adaptable problem-solving, analytical thinking, ethical decision making, and effective communication. An understanding of public administration and policy analysis develops responsible citizen. This minor pairs well with other majors by empowers students to work collaboratively to promote the welfare of other. You will apply your skills and knowledge as you embark on your quest to change the world.

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

PS 30000	Comparative Analysis	3
PS 33050	Political Economy	3
PS 33500	Public Administration	3
PS 45000	Political Science Internship	1-6

Elective Coursework

6 credit hours of coursework from the following options:

CCJ 20000	Criminology	3
CCJ 35005	Women, Crime, and the Law	3
ECON 33037	Current Economic and Social Policy	3
FIN 32000	Principles of Finance	3
HRM 36520	Labor Relations	3
HRM 36540	Employment Law	3
PHS 22000	Public Health and Social Justice	3
PHS 24000	Global Health	3
PHS 34000	Health Policy	3
PS 20000	Methods for Political Science	3
PS 31100	American Constitutional Law	3

PS 33050	Political Economy	3
PS 34500	Campaigns and Elections	3
PS 36000	Civil Liberties	3
PS 45000	Political Science Internship	1-6
PS 47500	Political Literacy	3
SW 32000	Social Welfare Policy and Services I	3
SW 32100	Social Welfare Policy and Services II	3

Students who have a second major or are completing another for-credit credential that requires an internship may submit a request to the program to substitute the other internship as a requirement for this minor.

No duplication of coursework is permitted within the program.

SECURITY STUDIES MINOR

18 credit hours

The security studies minor focuses particularly on the threats and opportunities present in the global security environment of the 21st century. Students with this minor will gain an in-depth knowledge of issues such as the evolution of terrorism, nuclear proliferation in rogue states, great power politics and diplomacy, civil war and state collapse, and other challenges facing the international community today and in coming decades.

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

PS 38400	International Relations Theory	3
PS 38600	Origins of War: How the World Stumbles into War	3
PS 38900	Geopolitics, Grand Strategy, and War	3

Elective Coursework

9 credit hours of coursework from the following options:

HIST 11700	US History: American Military History through World War II	3
HIST 11701	US History: American Military History since 1941	3
MGMT 38900	Game Theory	3
PS 38000	Diplomatic Affairs: Peace and Conflict Resolution	3
PS 38200	American Foreign Policy	3
PS 38300	Transpacific Relations	3
PS 38360	Seapower: History and Application	3
PS 38510	Ideology and International Relations	3
PS 38700	Paris 1919: Making of the Modern World	3

PHRL 31601	Islam and the West	3
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GLOBAL FLUENCY CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Globalization has expanded the possibilities to communicate, organize and collaborate across cultural lines. The ability to maximize these possibilities is one of the most powerful skill sets sought by businesses, governments, and non-profit organizations. While obtaining a Global Fluency Certificate at Lindenwood you will choose from a variety of courses that will increase your awareness of other cultures, develop your understanding and appreciation of global diversity, and strengthen your ability to work, live, and learn internationally. Upon completion of this certificate you will have the credentials to show potential employers and others that you possess the diverse thinking skills that are increasingly vital to success. In addition, several of the courses also fulfill General Education requirements, allowing you to earn this certificate while completing the requirements for your major.

Requirements

Certificate Coursework

6 credit hours of coursework from the following options:

MGMT 36000	Principles of International Business	3
PS 18000	Introduction to International Relations	3
PS 30000	Comparative Analysis	3
SW 20000	Intercultural Communication	3

Elective Coursework

6 credit hours of coursework from the following options:

ENGL 25000/SPA 25000	Multiculturalism and Multilingualism	3
ENGL 36200	Translation and Literature	3
MGMT 36010	International Management	3
MGMT 36015	International Business and Cross-Cultural Communications	3
MRKT 35015	International Marketing	3
PHRL 11600	World Religions	3
PHRL 31601	Islam and the West	3
PHRL 31602	Religions of India	3
PHRL 31603	Religions of China	3
PS 38400	International Relations Theory	3
PS 38510	Ideology and International Relations	3
PSY 18100	Cultural Psychology	3

PSY 21200 Japanese Culture, Society, and Mind 3

Any foreign language course may also be selected to fulfill this requirement.

Practical Application Coursework

3 credit hours of coursework from the following options:

CAH 44444 Internship 1-6

Study abroad courses may also be selected to fulfill this requirement.

No duplication of coursework is permitted within the program.

Media, Communications, and Cinema

CINEMA ARTS, BA

42 credit hours

The Bachelor of Arts in Cinema Arts instructs students in strategies, styles, and hands-on techniques for filmmaking. The degree connects students' studies of the liberal arts with the process of telling stories with moving pictures.

Students in the Bachelor of Arts in Cinema Arts program will:

- Create films that are engaging works of cinematic storytelling.
- Be able to understand the style and technique of filmmaking.
- Be versatile media producers, able to apply a wide variety of tools and technology to the art of cinematic storytelling.
- Build and draw on a broad knowledge of the liberal arts in managing the collaborative creative process.

Requirements

Major Coursework

33 credit hours of coursework from the following options:

CINE 10000	Cinema Seminar	0
CINE 11000	Video Production	3
CINE 13000	Introduction to Cinema Arts	3
CINE 32000	Short Film Production	3
CINE 32500	Documentary Production	3
CINE 32600	Cinematography	3
CINE 34000	History of World Cinema	3
CINE 35000	Screenwriting	3
CINE 36000	Producing for Film and Video	3
CINE 37000	Sound for Film and Video	3
CINE 38000	Editing for Film and Video	3
CINE 41000	Cinema Capstone I	3

CINE 10000 is a zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

Elective Coursework

9 credit hours of coursework from the following options:

AAD 32200	Motion Graphics	3
AAD 33600	3D Graphics	3
CAH 43000	Arts Entrepreneurship	3
CAH 44444	Internship	1-6
CINE 14000	Introduction to Film	3
CINE 31500	MicroCinema	3
CINE 32700	Advanced Cinematography	3
CINE 32800	Directing for Film & Television	3
CINE 33500	History of Animation	3
CINE 33600	Asian Cinema	3
CINE 33700	Cinema and Gender	3
CINE 33800	African American Cinema	3
CINE 34200	The Films of the Coen Brothers	3
CINE 34300	The Films of Alfred Hitchcock	3
CINE 34400	Horror Cinema	3
CINE 34500	The Films of Martin Scorsese	3
CINE 34700	Cult Cinema	3
CINE 35200	Advanced Screenwriting	3
CINE 35500	Feature Film Screenwriting	3
CINE 36300	Production Management	3
CINE 38500	Advanced Post Production	3
CINE 38700	Visual Effects	3
COM 25600	Multicamera & Event Production	3
TA 10100	Acting I	3

CINEMA ARTS, BFA

57 credit hours

The Bachelor of Fine Arts in cinema arts offers a rigorous focus on professional-style filmmaking. Students explore strategies, styles, and hands-on techniques for creating works of cinematic art. Students in the Bachelor of Fine Arts in cinema arts program will

- Create films that are engaging and meaningful works of cinematic storytelling.
- Be able to understand and master the style and technique of filmmaking.
- Be versatile media producers, able to make the best use of the wide variety of tools and technology appropriate to any particular cinematic story.
- Build and draw on a broad knowledge of the liberal arts in leading a collaborative creative process.
- Assess creative work using the standards, language and history of cinema.

Requirements

Major Coursework

36 credit hours of coursework from the following options:

CINE 10000	Cinema Seminar	0
CINE 11000	Video Production	3
CINE 13000	Introduction to Cinema Arts	3
CINE 32000	Short Film Production	3
CINE 32500	Documentary Production	3
CINE 32600	Cinematography	3
CINE 34000	History of World Cinema	3
CINE 35000	Screenwriting	3
CINE 36000	Producing for Film and Video	3
CINE 37000	Sound for Film and Video	3
CINE 38000	Editing for Film and Video	3
CINE 41000	Cinema Capstone I	3
CINE 42000	Cinema Capstone II	3

CINE 10000 is zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

Elective Coursework

18 credit hours of coursework from the following options:

AAD 30600	Imaging and Illustration	3
AAD 32200	Motion Graphics	3
AAD 33600	3D Graphics	3
CAH 43000	Arts Entrepreneurship	3
CINE 14000	Introduction to Film	3
CINE 31500	MicroCinema	3
CINE 32700	Advanced Cinematography	3
CINE 32800	Directing for Film & Television	3
CINE 33500	History of Animation	3
CINE 33600	Asian Cinema	3
CINE 33700	Cinema and Gender	3
CINE 33800	African American Cinema	3
CINE 34200	The Films of the Coen Brothers	3
CINE 34300	The Films of Alfred Hitchcock	3
CINE 34400	Horror Cinema	3
CINE 34500	The Films of Martin Scorsese	3
CINE 34700	Cult Cinema	3
CINE 35200	Advanced Screenwriting	3
CINE 35500	Feature Film Screenwriting	3
CINE 36300	Production Management	3
CINE 38500	Advanced Post Production	3
CINE 38700	Visual Effects	3
COM 25600	Multicamera & Event Production	3
TA 10100	Acting I	3

Practical Application Coursework

3 credit hours of coursework from the following option:

CAH 44444	Internship	1-6
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36 credit hours - no emphasis

Requirements

Major Coursework

24 credit hours of coursework from the following options:

COM 10001	Introduction to Communication	3
COM 11000	Public Speaking	3
COM 21301	Interpersonal Communication	3
COM 22001	Writing for Media	3
COM 32700	Media Literacy	3
COM 40100	Communications Law & Ethics	3
COM 46010	Communication Theory and Research	3
COM 48000	Communications Capstone	3

Production Coursework

3 credit hours of coursework from the following options:

CINE 11000	Video Production	3
COM 15100	Radio Production	3
COM 15200	Podcasting Production	3

Elective Coursework

9 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
CAH 44444	Internship	1-6
CINE 11000	Video Production	3
CINE 38000	Editing for Film and Video	3
COM 10101	Introduction to Mass Communication	3
COM 15100	Radio Production	3
COM 20000	Organizational Communication	3
COM 22500	Photojournalism	3
COM 24200	Basic Reporting	3
COM 25600	Multicamera & Event Production	3
COM 30000	Multiplatform Reporting	3
COM 30600	Advanced Reporting	3
COM 31001	Sports Reporting	3
COM 31501	Conflict Management	3
COM 32900	Media & Politics	3
COM 33333	Broadcast News Production	3
COM 34000	Sports Production	3
COM 35210	Advanced Radio Production	3
COM 35300	News Design and Editing	3
DCS 20000	Digital Content and Demographics	3
DCS 35000	Personal Branding	3
ENGL 23000	Business Communications	3
MRKT 35010	Principles of Marketing	3
SW 20000	Intercultural Communication	3

COMMUNICATIONS, BA

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

COM 10800 Communications Seminar 0

No duplication of coursework is permitted within the program.

COMMUNICATIONS, BA BROADCAST AND MEDIA PRODUCTION EMPHASIS

48 credit hours

Requirements

Major Coursework

21 credit hours of coursework from the following options:

COM 10001	Introduction to Communication	3
COM 11000	Public Speaking	3
COM 21301	Interpersonal Communication	3
COM 22001	Writing for Media	3
COM 32700	Media Literacy	3
COM 40100	Communications Law & Ethics	3
COM 48000	Communications Capstone	3

Emphasis Coursework

18 credit hours of coursework from the following options:

CINE 11000	Video Production	3
CINE 38000	Editing for Film and Video	3
COM 15100	Radio Production	3
COM 25600	Multicamera & Event Production	3
COM 33333	Broadcast News Production	3
COM 34000	Sports Production	3

Elective Coursework

9 credit hours of coursework from the following options:

AAD 32200	Motion Graphics	3
CAH 44444	Internship	1-6
CINE 32600	Cinematography	3
CINE 35000	Screenwriting	3
CINE 36000	Producing for Film and Video	3
CINE 37000	Sound for Film and Video	3
COM 10101	Introduction to Mass Communication	3
COM 20000	Organizational Communication	3
COM 22500	Photojournalism	3
COM 24200	Basic Reporting	3
COM 30000	Multiplatform Reporting	3
COM 30400	Broadcast Newswriting	3
COM 30600	Advanced Reporting	3
COM 31501	Conflict Management	3
COM 32900	Media & Politics	3
COM 35210	Advanced Radio Production	3

COM 46010 Communication Theory and Research 3

DCS 12000 Graphic Communication 3

DCS 20000 Digital Content and Demographics 3

DCS 35000 Personal Branding 3

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

COM 10800 Communications Seminar 0

No duplication of coursework is permitted within the program.

COMMUNICATIONS, BA JOURNALISM EMPHASIS

48 credit hours

Requirements

Major Coursework

21 credit hours of coursework from the following options:

COM 10001	Introduction to Communication	3
COM 11000	Public Speaking	3
COM 21301	Interpersonal Communication	3
COM 22001	Writing for Media	3
COM 32700	Media Literacy	3
COM 40100	Communications Law & Ethics	3
COM 48000	Communications Capstone	3

Emphasis Coursework

18 credit hours of coursework from the following options:

CINE 11000	Video Production	3
COM 24200	Basic Reporting	3
COM 30000	Multiplatform Reporting	3
COM 30400	Broadcast Newswriting	3
COM 30600	Advanced Reporting	3
COM 35300	News Design and Editing	3

Elective Coursework

9 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 32500	Adobe Certification in InDesign	3
CAH 44444	Internship	1-6
CINE 32500	Documentary Production	3
CINE 38000	Editing for Film and Video	3
COM 10101	Introduction to Mass Communication	3
COM 15100	Radio Production	3
COM 20000	Organizational Communication	3
COM 22500	Photojournalism	3

COM 25600	Multicamera & Event Production	3	AAD 10050	Web Design I	3
COM 31001	Sports Reporting	3	AAD 18101	Digital Photography I	3
COM 31501	Conflict Management	3	AAD 20300	Adobe Certification in Photoshop	3
COM 32900	Media & Politics	3	AAD 20400	Adobe Certification in Illustrator	3
COM 33333	Broadcast News Production	3	AAD 35500	Visual Branding	3
COM 34000	Sports Production	3	CAH 43000	Arts Entrepreneurship	3
COM 35210	Advanced Radio Production	3	CAH 44444	Internship	1-6
COM 38200	Feature Writing	3	CINE 11000	Video Production	3
COM 46010	Communication Theory and Research	3	CINE 31500	MicroCinema	3
DCS 12000	Graphic Communication	3	CINE 38000	Editing for Film and Video	3
DCS 20000	Digital Content and Demographics	3	COM 15200	Podcasting Production	3
DCS 35000	Personal Branding	3	COM 22001	Writing for Media	3
Seminar Coursework			DCS 30000	Media Literacy Theory	3
Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.			DCS 36000	Information Literacy	3
COM 10800	Communications Seminar	0	DCS 37100	Social Media Strategy Practicum	3
No duplication of coursework is permitted with the program.			MRKT 35040	Advertising and Promotional Strategy	3

SOCIAL MEDIA MARKETING, BS

48 credit hours

Requirements

Major Coursework

42 credit hours of coursework from the following options:

COM 10101	Introduction to Mass Communication	3
COM 32700	Media Literacy	3
DCS 12000	Graphic Communication	3
DCS 13000	Video for Social Media	3
DCS 20000	Digital Content and Demographics	3
DCS 21000	Introduction to Social Media Platforms	3
DCS 32500	Social Media Strategy	3
DCS 35000	Personal Branding	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
DCS 44500	Advanced Social Media Strategy	3
DCS 48000	Digital Content Strategy Capstone	3
MRKT 35010	Principles of Marketing	3
MRKT 35025	Social Media Marketing	3

Elective Coursework

6 credit hours of coursework from the following options:

AAD 10050	Web Design I	3
AAD 18101	Digital Photography I	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35500	Visual Branding	3
CAH 43000	Arts Entrepreneurship	3
CAH 44444	Internship	1-6
CINE 11000	Video Production	3
CINE 31500	MicroCinema	3
CINE 38000	Editing for Film and Video	3
COM 15200	Podcasting Production	3
COM 22001	Writing for Media	3
DCS 30000	Media Literacy Theory	3
DCS 36000	Information Literacy	3
DCS 37100	Social Media Strategy Practicum	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 45070	Consumer Behavior	3

Seminar Coursework

DCS 10001 is a zero credit hour course in which students are required to enroll every fall and spring semester through matriculation to degree conferral.

DCS 10001	Social Media Marketing Seminar	0
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BROADCAST AND MEDIA PRODUCTION MINOR

24 credit hours

Requirements

Minor Coursework

15 credit hours of coursework from the following options:

CINE 11000	Video Production	3
COM 10001	Introduction to Communication	3
COM 15100	Radio Production	3
COM 22001	Writing for Media	3
COM 25600	Multicamera & Event Production	3

Elective Coursework

9 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
CINE 32600	Cinematography	3
CINE 35000	Screenwriting	3
CINE 36000	Producing for Film and Video	3
CINE 38000	Editing for Film and Video	3
COM 32700	Media Literacy	3
COM 33333	Broadcast News Production	3
COM 34000	Sports Production	3
COM 40100	Communications Law & Ethics	3

COM 46010	Communication Theory and Research	3
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No duplication of coursework is permitted within the program.

CINEMA ARTS MINOR

21 credit hours

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

CINE 11000	Video Production	3
CINE 13000	Introduction to Cinema Arts	3
CINE 34000	History of World Cinema	3

Production Coursework

3 credit hours of coursework from the following options:

CINE 32000	Short Film Production	3
CINE 32500	Documentary Production	3

Craft Coursework

3 credit hours of coursework from the following options:

CINE 32600	Cinematography	3
CINE 32800	Directing for Film & Television	3
CINE 35000	Screenwriting	3
CINE 36000	Producing for Film and Video	3
CINE 37000	Sound for Film and Video	3
CINE 38000	Editing for Film and Video	3

Elective Coursework

6 credit hours of coursework from the following options:

AAD 32200	Motion Graphics	3
AAD 33600	3D Graphics	3
CAH 43000	Arts Entrepreneurship	3
CAH 44444	Internship	1-6
CINE 31500	MicroCinema	3
CINE 32000	Short Film Production	3
CINE 32500	Documentary Production	3
CINE 32600	Cinematography	3
CINE 32700	Advanced Cinematography	3
CINE 32800	Directing for Film & Television	3
CINE 33500	History of Animation	3
CINE 33600	Asian Cinema	3
CINE 33700	Cinema and Gender	3
CINE 33800	African American Cinema	3
CINE 34200	The Films of the Coen Brothers	3
CINE 34300	The Films of Alfred Hitchcock	3
CINE 34400	Horror Cinema	3
CINE 34500	The Films of Martin Scorsese	3
CINE 34700	Cult Cinema	3
CINE 35000	Screenwriting	3
CINE 35200	Advanced Screenwriting	3
CINE 35500	Feature Film Screenwriting	3

CINE 36000	Producing for Film and Video	3
CINE 36300	Production Management	3
CINE 37000	Sound for Film and Video	3
CINE 38000	Editing for Film and Video	3
CINE 38500	Advanced Post Production	3
CINE 38700	Visual Effects	3
COM 25600	Multicamera & Event Production	3
TA 10100	Acting I	3

No duplication of coursework is permitted within the program.

COMMUNICATIONS MINOR

21 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

COM 10001	Introduction to Communication	3
COM 11000	Public Speaking	3
COM 22001	Writing for Media	3
COM 46010	Communication Theory and Research	3

Production Coursework

3 credit hours of coursework from the following options:

CINE 11000	Video Production	3
COM 15100	Radio Production	3

Elective Coursework

6 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
COM 21301	Interpersonal Communication	3
COM 24200	Basic Reporting	3
COM 31501	Conflict Management	3
COM 32700	Media Literacy	3
DCS 35000	Personal Branding	3
DCS 38700	Emerging Platforms and Analytics	3
SW 20000	Intercultural Communication	3

SOCIAL MEDIA MARKETING MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

DCS 20000	Digital Content and Demographics	3
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DCS 21000	Introduction to Social Media Platforms	3
DCS 32500	Social Media Strategy	3
DCS 35000	Personal Branding	3

Elective Coursework

6 credit hours of coursework from the following options:

AAD 35500	Visual Branding	3
CAH 43000	Arts Entrepreneurship	3
CINE 11000	Video Production	3
COM 22001	Writing for Media	3
COM 32700	Media Literacy	3
DCS 12000	Graphic Communication	3
DCS 13000	Video for Social Media	3
DCS 36000	Information Literacy	3
DCS 37100	Social Media Strategy Practicum	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MRKT 35010	Principles of Marketing	3
MRKT 35025	Social Media Marketing	3
MRKT 35045	Digital Marketing	3
MRKT 45070	Consumer Behavior	3

FILM STUDIES MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

CINE 14000	Introduction to Film	3
CINE 34000	History of World Cinema	3

Elective Coursework

12 credit hours of coursework from the following options:

CINE 33500	History of Animation	3
CINE 33600	Asian Cinema	3
CINE 33700	Cinema and Gender	3
CINE 33800	African American Cinema	3
CINE 34200	The Films of the Coen Brothers	3
CINE 34300	The Films of Alfred Hitchcock	3
CINE 34400	Horror Cinema	3
CINE 34500	The Films of Martin Scorsese	3
CINE 34700	Cult Cinema	3
PHRL 11000	Star Wars and Religion	3
PHRL 32600	Philosophy in Film	3

Additional courses in any department may be substituted with permission from the program. A maximum of two courses in the same department may be applied towards the requirements for the minor.

JOURNALISM MINOR

21 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

COM 10001	Introduction to Communication	3
COM 24200	Basic Reporting	3
COM 30600	Advanced Reporting	3
COM 40100	Communications Law & Ethics	3

Elective Coursework

9 credit hours of coursework from the following options:

AAD 12000	Digital Foundations	3
COM 22500	Photojournalism	3
COM 30000	Multiplatform Reporting	3
COM 31001	Sports Reporting	3
COM 32700	Media Literacy	3
COM 33333	Broadcast News Production	3
COM 35300	News Design and Editing	3
COM 38200	Feature Writing	3
COM 46010	Communication Theory and Research	3
DCS 35000	Personal Branding	3
DCS 38700	Emerging Platforms and Analytics	3

MEDIA LITERACY MINOR

21 credit hours

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

COM 32700	Media Literacy	3
DCS 30000	Media Literacy Theory	3
DCS 36000	Information Literacy	3

Elective Coursework

12 credit hours of coursework from the following options:

CINE 34000	History of World Cinema	3
COM 10101	Introduction to Mass Communication	3
COM 32900	Media & Politics	3
DCS 20000	Digital Content and Demographics	3
DCS 21000	Introduction to Social Media Platforms	3
DCS 40000	Contemporary Audience Analysis	3
HIST 26100	History of the Contemporary World	3

PS 34500	Campaigns and Elections	3
SOC 22000	Social Problems	3

DIGITAL MARKETING CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Requirements:

Certificate Coursework

12 credit hours of coursework from the following options:

COM 32700	Media Literacy	3
DCS 35000	Personal Branding	3
DCS 36000	Information Literacy	3
MRKT 35010	Principles of Marketing	3
MRKT 35025	Social Media Marketing	3
MRKT 35045	Digital Marketing	3

Practical Application Coursework

3 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
MRKT 45095	Internship	1-9

Students can also choose an applied course in the major approved by the dean to satisfy this requirement.

PROFESSIONAL COMMUNICATIONS CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Regardless of a student's major field of study, the ability to communicate clearly, persuasively, and effectively in both oral and written form is often a distinguishing characteristic that helps to advance an individual in his or her career. A certificate in Professional Communications combines coursework in communications and marketing to provide students the foundation to deliver concise, clear, and convincing messages to advance ideas in a professional environment.

Requirements

Certificate Coursework

6 credit hours of coursework from the following options:

COM 32700	Media Literacy	3
MRKT 35010	Principles of Marketing	3

Communication Coursework I

3 credit hours of coursework from the following options:

COM 30300	Written Communication for Business	3
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ENGL 23000	Business Communications	3
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Communication Coursework II

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Practical Application Coursework

3 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 45095	Internship	1-9

Performing Arts

DANCE, BA

57 credit hours

The Bachelor of Arts in dance requires a minimum grade of C in the following courses:

Requirements

Major Coursework

1 credit hour of coursework from the following option:

DAN 17000	First Year Seminar in Dance	1
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Ballet Coursework

8 credit hours of coursework from the following options:

DAN 10011	Ballet I: Intermediate Level	2
DAN 10012	Ballet I: Advanced Level	2
DAN 20011	Ballet II: Intermediate Level	2
DAN 20012	Ballet II: Advanced Level	2
DAN 30011	Ballet III: Intermediate Level	2
DAN 30012	Ballet III: Advanced Level	2
DAN 40012	Ballet IV: Advanced Level	2

Contemporary Coursework

8 credit hours of coursework from the following options:

DAN 10021	Contemporary I: Intermediate Level	2
DAN 10022	Contemporary I: Advanced Level	2
DAN 20021	Contemporary II: Intermediate Level	2
DAN 20022	Contemporary II: Advanced Level	2
DAN 30021	Contemporary III: Intermediate Level	2

DAN 30022	Contemporary III: Advanced Level	2
DAN 40022	Contemporary IV: Advanced Level	2

Jazz Coursework

4 credit hours of coursework from the following options:

DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
DAN 20031	Jazz II: Intermediate Level	2
DAN 20032	Jazz II: Advanced Level	2
DAN 30031	Jazz III: Intermediate Level	2
DAN 30032	Jazz III: Advanced Level	2
DAN 40032	Jazz IV: Advanced Level	2

Tap Coursework

4 credit hours of coursework from the following options:

DAN 10041	Tap I: Intermediate Level	2
DAN 10042	Tap I: Advanced Level	2
DAN 20041	Tap II: Intermediate Level	2
DAN 20042	Tap II: Advanced Level	2
DAN 30041	Tap III: Intermediate Level	2
DAN 30042	Tap III: Advanced Level	2
DAN 40042	Tap IV: Advanced Level	2

Practicum Coursework

3 credit hours of coursework from the following options:

DAN 30301	Dance Performance Practicum	0-1
DAN 30350	Dance Composition Practicum	1
DAN 37501	University Dance Ensemble	0-1

Theory and Composition Coursework

4 credit hours of coursework from the following options:

DAN 20050	Dance Theory and Composition I	2
DAN 20055	Dance Theory and Composition II	2

Pedagogy Coursework

3 credit hours of coursework from the following option:

DAN 37200	Dance Pedagogy	3
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Anatomy and Kinesiology Coursework

6 credit hours of coursework from the following options:

DAN 26000	Anatomy for Dancers	3
DAN 36000	Dance Kinesiology	3

Dance History Coursework

9 credit hours of coursework from the following options:

DAN 17100	Dance as an Art	3
DAN 27100	Dance History	3
DAN 37100	Dance in the 21st Century	3

Note: DAN 17100 and DAN 37100 may be used to satisfy the GE-Human Culture: Foreign Culture/Human Diversity requirements.

Special Topics Coursework

3 credit hours of coursework from the following options:

DAN 19000-19099	Special Topics in Dance	1-3
DAN 29000-29099	Special Topics in Dance	1-3
DAN 39000-39099	Special Topics in Dance	1-3
DAN 49000-49099	Special Topics in Dance	1-3

Capstone Coursework

4 credit hours of coursework from the following options:

DAN 47000	Senior Seminar in Dance	1
DAN 47200	Senior Project	3

Additional Requirements

Passing scores on periodic assessments of program-level student learning outcomes.

DANCE, BFA*70 credit hours*

The Bachelor of Fine Arts in dance requires a minimum grade of C in the following courses. Candidates must declare Ballet, Contemporary, or Jazz Dance as a specialization.

Requirements**Orientation Coursework**

1 credit hour of coursework from the following option:

DAN 17000	First Year Seminar in Dance	1
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Ballet, Contemporary, and Jazz Coursework

26 credit hours of Ballet, Contemporary, and Jazz coursework.

16 credit hours of specialization (ballet, contemporary, or jazz), 6 credit hours of secondary area (ballet, contemporary, or jazz), and 4 credit hours of third area (ballet, contemporary, or jazz):

DAN 10011	Ballet I: Intermediate Level	2
DAN 10012	Ballet I: Advanced Level	2
DAN 20011	Ballet II: Intermediate Level	2
DAN 20012	Ballet II: Advanced Level	2
DAN 30011	Ballet III: Intermediate Level	2
DAN 30012	Ballet III: Advanced Level	2
DAN 40012	Ballet IV: Advanced Level	2

DAN 10021	Contemporary I: Intermediate Level	2
DAN 10022	Contemporary I: Advanced Level	2
DAN 20021	Contemporary II: Intermediate Level	2
DAN 20022	Contemporary II: Advanced Level	2
DAN 30021	Contemporary III: Intermediate Level	2
DAN 30022	Contemporary III: Advanced Level	2
DAN 40022	Contemporary IV: Advanced Level	2
DAN 10030	Jazz I: Beginning Level	2
DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
DAN 20031	Jazz II: Intermediate Level	2
DAN 20032	Jazz II: Advanced Level	2
DAN 30031	Jazz III: Intermediate Level	2
DAN 30032	Jazz III: Advanced Level	2
DAN 40032	Jazz IV: Advanced Level	2

Tap Coursework

2 credit hours of coursework from the following options:

DAN 10041	Tap I: Intermediate Level	2
DAN 10042	Tap I: Advanced Level	2
DAN 20041	Tap II: Intermediate Level	2
DAN 20042	Tap II: Advanced Level	2
DAN 30041	Tap III: Intermediate Level	2
DAN 30042	Tap III: Advanced Level	2
DAN 40042	Tap IV: Advanced Level	2

Performance Practicum Coursework

2 credit hours of coursework from the following option:

DAN 30301	Dance Performance Practicum	0-1
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Ensemble Coursework

2 credit hours of coursework from the following option:

DAN 37501	University Dance Ensemble	0-1
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Theory and Composition Coursework

4 credit hours of coursework from the following options:

DAN 20050	Dance Theory and Composition I	2
DAN 20055	Dance Theory and Composition II	2

Composition Practicum Coursework

2 credit hours of coursework from the following option:

DAN 30350	Dance Composition Practicum	1
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Anatomy and Kinesiology Coursework

6 credit hours of coursework from the following options:

DAN 26000	Anatomy for Dancers	3
DAN 36000	Dance Kinesiology	3

History, Technology, and Criticism Coursework

12 credit hours of coursework from the following options:

DAN 17100	Dance as an Art	3
DAN 27100	Dance History	3
DAN 37100	Dance in the 21st Century	3
DAN 37401	Dance and Technology	3-6

Note: DAN 17100 and DAN 37100 may be used to satisfy the GE-Human Culture: Foreign Culture/Human Diversity requirements.

Pedagogy Coursework

3 credit hours of coursework from the following option:

DAN 37200	Dance Pedagogy	3
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Special Topics Coursework

6 credit hours of coursework from the following options:

DAN 19000-19099	Special Topics in Dance	1-3
DAN 29000-29099	Special Topics in Dance	1-3
DAN 39000-39099	Special Topics in Dance	1-3
DAN 49000-49099	Special Topics in Dance	1-3

Capstone Coursework

4 credit hours of coursework from the following options:

DAN 47000	Senior Seminar in Dance	1
DAN 47200	Senior Project	3

Additional Requirements

Passing scores on periodic assessments of program-level student learning outcomes.

MUSIC, BA

53 credit hours

The Bachelor of Arts in music requires a minimum grade of C in the following major courses:

Requirements**Private Lessons Coursework I**

4 credit hours of private lessons coursework from the following options:

MUS 104XX	Private Lessons	1-2
MUS 204XX	Private Lessons	1-2

Private Lessons Coursework II

4 credit hours of private lessons coursework from the following options:

MUS 304XX	Private Lessons	1-2
MUS 404XX	Private Lessons	1-2

Ensemble Coursework

4 credit hours large instrumental or choral ensemble coursework from the following options:

MUS 209XX	Large Ensemble - Instrumental	0-1
MUS 210XX	Large Ensemble - Choral	0-1

Seminar Coursework

1 credit hour of coursework from the following option:

MUS 10101	First Year Seminar in Music	1
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Piano Coursework I

3 credit hours of coursework from the following options:

MUS 21400	Piano Proficiency I	1
MUS 21500	Piano Proficiency II	1
MUS 21600	Piano Proficiency III	1

Piano Coursework II

1 credit hour of coursework from the following options:

MUS 32500	Keyboard Techniques	1
MUS 32900	Jazz Keyboard Techniques	1

Theory and History Coursework

20 credit hours of coursework from the following options:

MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 25000	Introduction to Music Technology	3
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3
MUS 35700	World Music	3

Music Elective Coursework

15 credit hours of MUS coursework numbered 30000-level or above, including 9 credit hours of musicianship courses and 6 credit hours of performance or other music electives.

Capstone Coursework

1 credit hour of coursework from the following options:

MUS 48800	Senior Recital	1
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

MUS 10200	Concert/Recital Attendance	0
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Additional Requirements

Passing scores on periodic assessments of program-level student learning outcomes, including the Piano Proficiency Exam.

MUSIC BUSINESS AND ENTREPRENEURSHIP, BA

52 credit hours

The Bachelor of Arts in music business and entrepreneurship requires a minimum grade of C in the following courses:

Requirements

Major Coursework

52 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23010	Survey of Economics	3
ENTR 37505	Innovation	3
ENTR 37510	Small Business and Entrepreneurship	3
MRKT 35010	Principles of Marketing	3
MUS 10000	Fundamentals of Music	3
MUS 10101	First Year Seminar in Music	1
MUS 15000	Music in America	3
MUS 16500	Music Appreciation	3
MUS 25000	Introduction to Music Technology	3
MUS 32200	Case Studies in the Music Industry	3
MUS 32600	Developing a Music Career	3
MUS 33030	The New Music Business	3
MUS 33040	Artist Development & Management Capstone	3
MUS 35700	World Music	3
MUS 38100	Music Production and Recording I	3
MUS 38200	Music Production and Recording II	3
MUS 42000	Guerrilla Music Marketing	3

Notes: (1) ECON 23010 may be used to satisfy a GE-SocSci requirement. (2) MUS 15000 may be used to satisfy a GE-Human Culture: Arts requirement. (3) MUS 16500 may be used to satisfy a GE-Elective requirement. (4) MUS 35700 may be used to satisfy a GE-Human Culture: Arts/Human Diversity requirement.

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

MUS 10200	Concert/Recital Attendance	0
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MUSIC PERFORMANCE, BM INSTRUMENTAL EMPHASIS

75 credit hours

Requirements

The Bachelor of Music in music performance with instrumental emphasis requires a minimum grade of C in the following courses:

Major Coursework

41 credit hours of coursework from the following options:

MUS 10101	First Year Seminar in Music	1
MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 21400	Piano Proficiency I	1
MUS 21500	Piano Proficiency II	1
MUS 21600	Piano Proficiency III	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 25000	Introduction to Music Technology	3
MUS 32600	Developing a Music Career	3
MUS 34301	Music Theory III	3
MUS 34302	Ear Training III	1
MUS 34401	Music Theory IV	3
MUS 34402	Ear Training IV	1
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3
MUS 35700	World Music	3
MUS 38000	Instrumental Pedagogy and Literature	3
MUS 38300	Introduction to Conducting	3
MUS 38800	Junior Recital	1

Note: MUS 35500 and MUS 35600 may be used to satisfy the GE-Human Culture: Arts/Human Diversity requirements.

Private Lessons Coursework

16 credit hours of coursework (4 credit hours each course) from the following options:

MUS 104XX	Private Lessons	1-2
MUS 204XX	Private Lessons	1-2
MUS 304XX	Private Lessons	1-2
MUS 404XX	Private Lessons	1-2

Small Ensemble Instrumental Coursework

8 credit hours of coursework from the following options:

MUS 212XX	Small Ensemble - Instrumental	0-1
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Large Ensemble Instrumental Coursework

8 credit hours of coursework from the following options:

MUS 209XX	Large Ensemble - Instrumental	0-1
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Capstone Coursework

1 credit hour of coursework from the following option:

MUS 48800	Senior Recital	1
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

MUS 10200	Concert/Recital Attendance	0
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Additional Requirements

Passing scores on periodic assessments of program-level student learning outcomes, including the Piano Proficiency Exam.

MUSIC PERFORMANCE, BM VOCAL EMPHASIS

80 credit hours

Requirements

The Bachelor of Music in music performance with vocal emphasis requires a minimum grade of C in the following courses:

Major Coursework

47 credit hours of coursework from the following options:

MUS 10101	First Year Seminar in Music	1
MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 21400	Piano Proficiency I	1
MUS 21500	Piano Proficiency II	1
MUS 21600	Piano Proficiency III	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 25000	Introduction to Music Technology	3
MUS 32500	Keyboard Techniques	1
MUS 32600	Developing a Music Career	3
MUS 34301	Music Theory III	3
MUS 34302	Ear Training III	1
MUS 34401	Music Theory IV	3
MUS 34402	Ear Training IV	1
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3
MUS 35700	World Music	3
MUS 37601	English Diction	1
MUS 37602	French Diction	1
MUS 37603	Italian Diction	1
MUS 37604	German Diction	1
MUS 37900	Vocal Pedagogy and Literature	3
MUS 38300	Introduction to Conducting	3
MUS 38800	Junior Recital	1

Note: MUS 35500 and MUS 35600 may be used to satisfy the GE-Human Culture: Arts/Human Diversity requirements.

Private Lesson Coursework

16 credit hours of coursework (4 credit hours each course) from the following options:

MUS 10462	Private Lessons: Voice	1-2
MUS 20462	Private Lessons: Voice	1-2
MUS 30462	Private Lessons: Voice	1-2
MUS 40462	Private Lessons: Voice	1-2

Small Ensemble Choral Coursework

8 credit hours of coursework from the following options:

MUS 213XX	Small Ensemble - Vocal	0-1
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Large Ensemble Choral Coursework

8 credit hours of coursework from the following options:

MUS 210XX	Large Ensemble - Choral	0-1
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Capstone Coursework

1 credit hour of coursework from the following option:

MUS 48800	Senior Recital	1
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

MUS 10200	Concert/Recital Attendance	0
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Additional Requirements

Passing scores on periodic assessments of program-level student learning outcomes, including the Piano Proficiency Exam.

THEATRE, BA

42 credit hours

The Bachelor of Arts in theatre requires a minimum grade of C in the following courses:

Requirements**Major Coursework**

18 credit hours of coursework from the following options:

TA 10100	Acting I	3
TA 21000	Stage Management	3
TA 30600	Principles of Directing	3
TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48900	Senior Project	3

TA 33600 and TA 37000 may also be used as General Education requirements.

Production Coursework

18 credit hours (6 credit hours from each course) of coursework from the following options:

TA 10011	Production I	3
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TA 20011	Production II	3
TA 30011	Production III	3

Additional Theatre Coursework

6 credit hours of coursework from the following options:

TA 20100	Acting II	3
TA 21300	Stagecraft	3
TA 21400	Fundamentals of Drafting	3
TA 22000	Costume Construction	3

THEATRE, BFA

60 credit hours

To earn the BFA in Theatre, students must complete the following requirements. This emphasis requires a total of 60 credit hours, as well as, a minimum grade of C in the following courses.

Requirements**Major Coursework**

12 credit hours of coursework from the following options:

TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48001	Industry Standards	1
TA 48900	Senior Project	3

3 credit hours from TA 48001 is needed to fulfill requirement.

Major Coursework Continued

3 credit hours of coursework from the following options:

TA 21000	Stage Management	3
TA 30600	Principles of Directing	3

Production Coursework

24 credit hours (6 credit hours from each course) of coursework from the following:

TA 10011	Production I	3
TA 20011	Production II	3
TA 30011	Production III	3
TA 40011	Production IV	3

Elective Coursework

18 credit hours of coursework from the following options:

TA 10100	Acting I	3
TA 20100	Acting II	3
TA 21300	Stagecraft	3
TA 21400	Fundamentals of Drafting	3
TA 22000	Costume Construction	3
TA 30303	History of the American Musical	3
TA 32011	Environmental Design Studio	2
TA 32021	Character Design Studio	2
TA 32200	Acting Studio II	2

TA 33500	Modern Drama	3
TA 35100	Direction of Plays	3
TA 41000	Advanced Stage Management	3
TA 41200	Advanced Technology	1
TA 42401	Performance Lab	1

Internship Coursework

3 credit hours of coursework from the following options:

CAH 44444	Internship	1-6
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THEATRE, BFA ACTING EMPHASIS

60 credit hours

To earn the BFA in Theatre with an emphasis in Acting, students must complete the following requirements. This emphasis requires a total of 60 credit hours, as well as, a minimum grade of C in the following courses. Students must be accepted through the program audition process prior to entering the program.

Requirements**Major Coursework**

12 credit hours of coursework from the following options:

TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48001	Industry Standards	1
TA 48900	Senior Project	3

3 credit hours from TA 48001 are needed to fulfill requirement.

Major Coursework Continued

3 credit hours of coursework from the following options:

TA 21000	Stage Management	3
TA 30600	Principles of Directing	3

Production Coursework

24 credit hours (6 credit hours from each course) of coursework from the following:

TA 10011	Production I	3
TA 20011	Production II	3
TA 30011	Production III	3
TA 40011	Production IV	3

Acting Emphasis Coursework

21 credit hours of coursework from the following options:

TA 10100	Acting I	3
TA 20100	Acting II	3
TA 32200	Acting Studio II	2
TA 32300	Acting Studio III	2
TA 42400	Acting Studio IV	2
TA 42401	Performance Lab	1

4 credit hours from TA 32200 are needed to fulfill requirement.

4 credit hours from TA 32300 are needed to fulfill requirement.

4 credit hours from TA 42400 are needed to fulfill requirement.

3 credit hours from TA 42401 are needed to fulfill requirement.

THEATRE, BFA ENTERTAINMENT PRODUCTION DESIGN EMPHASIS

60 credit hours

To earn the BFA in Theatre with an emphasis in Entertainment Production Design, students must complete the following requirements. This emphasis requires a total of 60 credit hours, as well as, a minimum grade of C in the following courses. Students must be accepted through the program audition process prior to entering the program.

Requirements**Major Coursework**

12 credit hours of coursework from the following options:

TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48001	Industry Standards	1
TA 48900	Senior Project	3

3 credit hours from TA 48001 are needed to fulfill requirement.

Major Coursework Continued

3 credit hours of coursework from the following options:

TA 21000	Stage Management	3
TA 30600	Principles of Directing	3

Production Coursework

24 credit hours (6 credit hours from each course) of coursework from the following:

TA 10011	Production I	3
TA 20011	Production II	3
TA 30011	Production III	3
TA 40011	Production IV	3

Additional Coursework

9 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 20000	Painting I	3

Art and Design Foundation Coursework Cont'

3 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3

AAD 32200	Motion Graphics	3
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Production Design Studio Coursework

9 credit hours of coursework from the following options:

AAD 33100	Figure Drawing I	3
CAH 44444	Internship	1-6
EGR 25100	Computer Aided Design (CAD)	3
TA 21400	Fundamentals of Drafting	3
TA 32011	Environmental Design Studio	2
TA 32021	Character Design Studio	2
TA 41200	Advanced Technology	1

THEATRE, BFA EVENT AND STAGE MANAGEMENT EMPHASIS

70 credit hours

To earn the BFA in Theatre with an emphasis in Event and Stage Management, students must complete the following requirements. This emphasis requires a total of 70 credit hours as well as a minimum grade C in the following courses. Students must be accepted through the program audition process prior to entering the program.

Requirements

Major Coursework

12 credit hours of coursework from the following options:

TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48001	Industry Standards	1
TA 48900	Senior Project	3

3 credit hours from TA 48001 are needed to fulfill requirement.

Major Coursework Continued

3 credit hours of coursework from the following options:

TA 21000	Stage Management	3
TA 30600	Principles of Directing	3

Production Coursework

24 credit hours (6 credit hours from each course) of coursework from the following:

TA 10011	Production I	3
TA 20011	Production II	3
TA 30011	Production III	3
TA 40011	Production IV	3

Stage Management Coursework

9-10 credit hours of coursework from the following options:

TA 35200	Stage Management Seminar	0-1
TA 41000	Advanced Stage Management	3

9 credit hours needed from TA 41000 to fulfill this requirement.

Technology and Design Coursework

10 credit hours of coursework from the following options:

AAD 10600	Design Foundations	3
TA 21400	Fundamentals of Drafting	3
TA 32011	Environmental Design Studio	2
TA 32021	Character Design Studio	2

Theatre Coursework

3 credit hours of coursework from the following options:

MUS 10000	Fundamentals of Music	3
TA 10100	Acting I	3
TA 10500	Fundamentals of Acting	3
TA 30600	Principles of Directing	3

Management Coursework

6 credit hours of coursework from the following options:

ENGL 23000	Business Communications	3
MGMT 26032	Principles of Management	3
MGMT 36050	Organizational Behavior	3
MRKT 35010	Principles of Marketing	3
PSY 15700	Psychology of Leadership	3

Event Management Coursework

3 credit hours from the following options:

CAH 43000	Arts Entrepreneurship	3
CINE 36300	Production Management	3
COM 25600	Multicamera & Event Production	3
MGMT 46040	Project Management	3
SPMGT 37050	Sport Event & Entertainment Management	3

THEATRE, BFA MUSICAL THEATRE EMPHASIS

81 credit hours

To earn the BFA in Theatre with an emphasis in Musical Theatre, students must complete the following requirements. This emphasis requires a total of 81 credit hours, as well as, a minimum grade of C in the following courses. Students must be accepted through the program audition process prior to entering the program.

Requirements

Major Coursework

12 credit hours of coursework from the following options:

TA 33600	Survey of Dramatic Literature	3
TA 37000	History of Theatre	3
TA 48001	Industry Standards	1
TA 48900	Senior Project	3

3 credit hours from TA 48001 are needed to fulfill requirement.

Major Coursework Continued

3 credit hours of coursework from the following options:

TA 21000	Stage Management	3
TA 30600	Principles of Directing	3

Production Coursework

24 credit hours (6 credit hours from each course) of coursework from the following:

TA 10011	Production I	3
TA 20011	Production II	3
TA 30011	Production III	3
TA 40011	Production IV	3

Musical Theatre Emphasis Coursework

24 credit hours of coursework from the following options:

MUS 10000	Fundamentals of Music	3
TA 10100	Acting I	3
TA 20100	Acting II	3
TA 30301	Acting the Song I	3
TA 30302	Acting the Song II	3
TA 30303	History of the American Musical	3
TA 32200	Acting Studio II	2
TA 42401	Performance Lab	1

Private Lessons: Voice Coursework

8 credit hours of coursework from the following options:

MUS 10462	Private Lessons: Voice	1-2
MUS 20462	Private Lessons: Voice	1-2
MUS 30462	Private Lessons: Voice	1-2
MUS 40462	Private Lessons: Voice	1-2

Dance Coursework

4 credit hours of coursework (repeatable) from the following options:

DAN 23100	Musical Theatre Dance	2
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Jazz Coursework

4 credit hours of coursework from the following options:

DAN 10030	Jazz I: Beginning Level	2
DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
DAN 20031	Jazz II: Intermediate Level	2
DAN 20032	Jazz II: Advanced Level	2
DAN 30031	Jazz III: Intermediate Level	2
DAN 30032	Jazz III: Advanced Level	2
DAN 40032	Jazz IV: Advanced Level	2

Tap Coursework

2 credit hours of coursework from the following options:

DAN 10040	Tap I: Beginning Level	2
DAN 10041	Tap I: Intermediate Level	2
DAN 10042	Tap I: Advanced Level	2
DAN 20041	Tap II: Intermediate Level	2

DAN 20042	Tap II: Advanced Level	2
DAN 30041	Tap III: Intermediate Level	2
DAN 30042	Tap III: Advanced Level	2
DAN 40042	Tap IV: Advanced Level	2

DANCE MINOR*22 credit hours***Requirements**

The minor in dance requires a minimum grade of C in the following courses:

Technique Coursework

12 credit hours of coursework from the following ballet, contemporary, jazz, and tap options:

DAN 10010	Ballet I: Beginning Level	2
DAN 10011	Ballet I: Intermediate Level	2
DAN 10012	Ballet I: Advanced Level	2
DAN 20011	Ballet II: Intermediate Level	2
DAN 20012	Ballet II: Advanced Level	2
DAN 30011	Ballet III: Intermediate Level	2
DAN 30012	Ballet III: Advanced Level	2
DAN 10020	Contemporary I: Beginning Level	2
DAN 10021	Contemporary I: Intermediate Level	2
DAN 10022	Contemporary I: Advanced Level	2
DAN 20021	Contemporary II: Intermediate Level	2
DAN 20022	Contemporary II: Advanced Level	2
DAN 30021	Contemporary III: Intermediate Level	2
DAN 30022	Contemporary III: Advanced Level	2
DAN 10030	Jazz I: Beginning Level	2
DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
DAN 20031	Jazz II: Intermediate Level	2
DAN 20032	Jazz II: Advanced Level	2
DAN 10040	Tap I: Beginning Level	2
DAN 10041	Tap I: Intermediate Level	2
DAN 10042	Tap I: Advanced Level	2
DAN 20041	Tap II: Intermediate Level	2
DAN 20042	Tap II: Advanced Level	2
DAN 30041	Tap III: Intermediate Level	2
DAN 30042	Tap III: Advanced Level	2

Additional Coursework

10 credit hours of coursework from the following options:

DAN 10100	Introduction to Dance	3
DAN 17100	Dance as an Art	3

DAN 19000-19099	Special Topics in Dance	1-3
DAN 20050	Dance Theory and Composition I	2
DAN 29000-29099	Special Topics in Dance	1-3
DAN 30301	Dance Performance Practicum	0-1
DAN 30350	Dance Composition Practicum	1
DAN 37501	University Dance Ensemble	0-1
DAN 39000-39099	Special Topics in Dance	1-3
DAN 49000-49099	Special Topics in Dance	1-3

DANCE STUDIO MANAGEMENT MINOR

20 credit hours

Requirements

Minor Coursework

20 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
DAN 37200	Dance Pedagogy	3
DAN 37250	Dance Studio Management	3
ENTR 37510	Small Business and Entrepreneurship	3
HFS 16000	First Aid/CPR/Sport Injuries	2
MGMT 26032	Principles of Management	3
MRKT 35010	Principles of Marketing	3

JAZZ AND CONTEMPORARY MUSIC MINOR

21-31 credit hours

Bachelor of Arts Music majors - 24 credit hours

Bachelor of Arts Music Business and Entrepreneurship majors - 21 credit hours

Bachelor of Arts Music Performance majors - 31 credit hours

Requirements

A minor in jazz and contemporary music requires a minimum grade of C in the following courses:

Minor Coursework

19 credit hours of coursework from the following options:

MUS 11901	Improvisation	0-1
MUS 32900	Jazz Keyboard Techniques	1
MUS 33030	The New Music Business	3
MUS 34500	Contemporary Harmony	3
MUS 35800	History and Analysis of Jazz and Contemporary Music	3

MUS 36600	Jazz and Contemporary Arranging	3
MUS 38100	Music Production and Recording I	3
MUS 40475	Private Lessons: Jazz and Contemporary Composition	1-2
MUS 48800	Senior Recital	1

At least 1 credit hour in MUS 40475.

Jazz Coursework

1 credit hour of coursework from the following options:

MUS 20901	Jazz Band	0-1
MUS 21221	Instrumental Ensemble: Jazz	0-1

Applied Lessons in Jazz and Contemporary Music Coursework

6 credit hours of coursework from the following options:

MUS 10471-10474	Applied Lessons in Jazz and Contemporary Music	1-2
MUS 20471-20474	Applied Lessons in Jazz and Contemporary Music	1-2
MUS 30471-30474	Applied Lessons in Jazz and Contemporary Music	1-2
MUS 40471-40474	Applied Lessons in Jazz and Contemporary Music	1-2

Note: Six credit hours required in MUS 104xx-404xx. This is met with lesson requirements in BA Music; BA Music Business needs two additional credits of jazz lesson; BM Music Performance will need six credits of jazz lessons in addition to the 16 classical lessons required.

Recital requires 30 minutes of literature - already present in BA Music; BA Music Business must add outright; BM Music Performance must add a 30 minutes jazz recital in addition to the 60 minute classical recital already required.

MUSIC MINOR

21 credit hours

Requirements

A minor in music requires a minimum grade of C in the following courses:

Minor Coursework

14 credit hours of coursework from the following options:

MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3

Private Lessons Coursework

4 credit hours of coursework from the following options:

MUS 104XX	Private Lessons	1-2
MUS 204XX	Private Lessons	1-2
MUS 304XX	Private Lessons	1-2
MUS 404XX	Private Lessons	1-2

Ensemble Coursework

3 credit hours of coursework from the following options:

MUS 209XX	Large Ensemble - Instrumental	0-1
MUS 210XX	Large Ensemble - Choral	0-1
MUS 212XX	Small Ensemble - Instrumental	0-1
MUS 213XX	Small Ensemble - Vocal	0-1

MUSICAL THEATRE MINOR

This minor program is designed as a supplement to a theatre, dance, or music major. Only students who are majoring in dance, music, or theatre may enroll in this minor, and the requirements vary depending on the student's major. It provides students with experience in music, dance, and acting outside of their major emphasis.

Requirements

Music Major Coursework

15 credit hours total

11 credit hours of coursework from the following options:

DAN 23100	Musical Theatre Dance	2
TA 10500	Fundamentals of Acting	3
TA 20100	Acting II	3
TA 30301	Acting the Song I	3

Music Major Coursework - Dance

4 credit hours of coursework from the following options:

DAN 10010	Ballet I: Beginning Level	2
DAN 10011	Ballet I: Intermediate Level	2
DAN 10012	Ballet I: Advanced Level	2
DAN 20011	Ballet II: Intermediate Level	2
DAN 20012	Ballet II: Advanced Level	2
DAN 30011	Ballet III: Intermediate Level	2
DAN 30012	Ballet III: Advanced Level	2
DAN 40012	Ballet IV: Advanced Level	2
DAN 10020	Contemporary I: Beginning Level	2
DAN 10021	Contemporary I: Intermediate Level	2
DAN 10022	Contemporary I: Advanced Level	2
DAN 20021	Contemporary II: Intermediate Level	2
DAN 20022	Contemporary II: Advanced Level	2
DAN 30021	Contemporary III: Intermediate Level	2
DAN 30022	Contemporary III: Advanced Level	2

DAN 40022	Contemporary IV: Advanced Level	2
DAN 10030	Jazz I: Beginning Level	2
DAN 10031	Jazz I: Intermediate Level	2
DAN 10032	Jazz I: Advanced Level	2
DAN 20031	Jazz II: Intermediate Level	2
DAN 20032	Jazz II: Advanced Level	2
DAN 30031	Jazz III: Intermediate Level	2
DAN 30032	Jazz III: Advanced Level	2
DAN 40032	Jazz IV: Advanced Level	2
DAN 10040	Tap I: Beginning Level	2
DAN 10041	Tap I: Intermediate Level	2
DAN 10042	Tap I: Advanced Level	2
DAN 20041	Tap II: Intermediate Level	2
DAN 20042	Tap II: Advanced Level	2
DAN 30041	Tap III: Intermediate Level	2
DAN 30042	Tap III: Advanced Level	2
DAN 40042	Tap IV: Advanced Level	2

Dance Major Coursework

18 credit hours

9 credit hours of coursework from the following options:

MUS 10000	Fundamentals of Music	3
TA 20100	Acting II	3
TA 30301	Acting the Song I	3

Dance Major Coursework - Theatre

3 credit hours of coursework from the following options:

TA 10100	Acting I	3
TA 10500	Fundamentals of Acting	3

Dance Major Coursework - Private Lessons

6 credit hours of coursework from the following options:

MUS 10462	Private Lessons: Voice	1-2
MUS 20462	Private Lessons: Voice	1-2
MUS 30462	Private Lessons: Voice	1-2
MUS 40462	Private Lessons: Voice	1-2

Theatre Major Coursework

18 credit hours

8 credit hours of coursework from the following options:

DAN 23100	Musical Theatre Dance	2
MUS 10000	Fundamentals of Music	3
TA 30301	Acting the Song I	3

Theatre Major Coursework - Dance

4 credit hours of coursework from the following options:

DAN 10010	Ballet I: Beginning Level	2
DAN 10011	Ballet I: Intermediate Level	2
DAN 10012	Ballet I: Advanced Level	2
DAN 20011	Ballet II: Intermediate Level	2
DAN 20012	Ballet II: Advanced Level	2
DAN 30011	Ballet III: Intermediate Level	2

DAN 30012	Ballet III: Advanced Level	2	TA 37200	History of Theatre II	3
DAN 40012	Ballet IV: Advanced Level	2	Elective Coursework		
DAN 10020	Contemporary I: Beginning Level	2	9 credit hours of coursework from the following options:		
DAN 10021	Contemporary I: Intermediate Level	2	CAH 44444	Internship	1-6
DAN 10022	Contemporary I: Advanced Level	2	TA 21300	Stagecraft	3
DAN 20021	Contemporary II: Intermediate Level	2	TA 21600	Stage Make-up	3
DAN 20022	Contemporary II: Advanced Level	2	TA 30100-30199	Acting Studio	3
DAN 30021	Contemporary III: Intermediate Level	2	TA 30301	Acting the Song I	3
DAN 30022	Contemporary III: Advanced Level	2	TA 33500	Modern Drama	3
DAN 40022	Contemporary IV: Advanced Level	2	TA 33600	Survey of Dramatic Literature	3
DAN 10030	Jazz I: Beginning Level	2	TA 35100	Direction of Plays	3
DAN 10031	Jazz I: Intermediate Level	2	TA 38800-38899	Special Topics	1-3
DAN 10032	Jazz I: Advanced Level	2	TA 40100-40199	Advanced Acting Studio	3
DAN 20031	Jazz II: Intermediate Level	2	TA 40600	Advanced Directing	3
DAN 20032	Jazz II: Advanced Level	2	TA 41000	Advanced Stage Management	3
DAN 30031	Jazz III: Intermediate Level	2	TA 41100	Advanced Theatre Technology	3
DAN 30032	Jazz III: Advanced Level	2	TA 48000	Career and Portfolio Seminar	3
DAN 40032	Jazz IV: Advanced Level	2	EARLY ACCESS		
DAN 10040	Tap I: Beginning Level	2	Early Access		
DAN 10041	Tap I: Intermediate Level	2	With the approval of the dean of the appropriate college, traditional day undergraduate students may take up to 9 credit hours at the graduate level during their senior year at no additional charge. These hours will count toward a graduate degree if one is ultimately pursued but not toward the student's undergraduate degree. Under this option, the student must be enrolled in at least 12 credit hours at the undergraduate level for each semester that the student is taking graduate credit and have a minimum undergraduate 3.0 GPA. A maximum of 6 graduate credits may be earned per semester. Students in the early access program must maintain a 3.0 in all master's credits.		
DAN 10042	Tap I: Advanced Level	2			
DAN 20041	Tap II: Intermediate Level	2			
DAN 20042	Tap II: Advanced Level	2			
DAN 30041	Tap III: Intermediate Level	2			
DAN 30042	Tap III: Advanced Level	2			
DAN 40042	Tap IV: Advanced Level	2			

Theatre Major Coursework - Private Lessons

6 credit hours of coursework from the following options:

MUS 10462	Private Lessons: Voice	1-2
MUS 20462	Private Lessons: Voice	1-2
MUS 30462	Private Lessons: Voice	1-2
MUS 40462	Private Lessons: Voice	1-2

THEATRE MINOR

27 credit hours

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

TA 10100	Acting I	3
TA 20100	Acting II	3
TA 22400	Creating Theatre	3
TA 30400	Script Analysis	3
TA 37100	History of Theatre I	3

PLASTER COLLEGE OF BUSINESS AND ENTREPRENEURSHIP

Jennifer Mack, PhD, Dean

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Mission

Set forth below, the mission of the ACBSP-accredited Plaster College of Business and Entrepreneurship complements and expands upon the Lindenwood University mission statement. In furtherance of the University's mission, the Plaster College of Business and Entrepreneurship is committed to:

- Providing a comprehensive core curriculum of business subjects.
- Instilling a strong and enduring sense of ethical business practices.
- Providing theoretical tools and analytical skills for lifelong use.
- Developing the student's communication and presentation skills.
- Offering major fields of study to equip students for specialized careers.
- Providing opportunities to supplement classroom education with real world experience.
- Expanding the student's geographical and cultural horizons for success in an increasingly global economy.
- Instilling the entrepreneurial model as an essential component of American free enterprise.
- Fostering the scholarship of teaching, application, integration, and discovery among its students and faculty, as appropriate.

INTRODUCTION

Graduate Outcomes

The Plaster College of Business and Entrepreneurship provides instruction, knowledge, and experience in an environment that encourages students to develop motivation and the ethical standards essential to becoming citizens in the global business community. The Lindenwood University Plaster College of Business and Entrepreneurship expects that its graduates should

- Have the contemporary business competencies of their chosen discipline and the aptitude required for life-long learning and personal development.

- Have the technical, human, and conceptual skills that would contribute to critical analysis, problem solving, operational recommendations, and continuous improvement of dynamic and changing organizations and the ability to professionally communicate those recommendations and improvements.
- Demonstrate the entrepreneurial spirit of being enterprising, resourceful, and productive in their professional lives.
- Be able to act and build upon the foundation of their coursework for the furtherance of their professional careers.

Business Administration with an Emphasis

Students pursuing a BA or BS in business administration may also opt to pursue an additional area of emphasis. An emphasis is earned when 12 credit hours of the student's elective coursework (out of the 21-24 elective credit hours required for a degree in business administration) are completed from within a single business discipline. Emphases are offered in the following business areas:

- Accounting*
- Advertising and public relations
- Business law
- Economics
- Entrepreneurial studies
- Finance*
- Health management*
- Human resource management
- International business
- Investments
- Management*
- Marketing*
- Sport management*
- Supply chain management*

*Emphasis is available online.

Minors for Business Majors

Students of business degrees may pursue a minor beyond their first PCB&E major. A minor is earned when the student has completed an additional 12-27 credit hours of coursework in the minor area (as dictated per minor) in addition to completing all degree requirements for the student's first major. Note that each required major course will satisfy the requirements for only one of the student's

majors, minors, or emphasis areas. Minors for business students may be earned in one of the following business areas:

- Accounting
- Advertising
- Business Law
- Economics
- Entrepreneurial Studies
- Finance
- Health Management
- Human Resource Management
- International Business
- Management
- Marketing
- Public Relations
- Sport Management
- Supply Chain Management

Minors for Non-Business Majors

Students pursuing undergraduate majors in fields other than those offered by the PCB&E may declare a minor in one of the following business areas by completing 21-30 credit hours of coursework (as dictated per minor) in one of the following business areas:

- Accounting
- Advertising
- Business Administration
- Business Law
- Economics
- Entrepreneurial Studies
- Finance
- Health Management
- Human Resource Management
- International Business
- Management
- Marketing
- Public Relations
- Sport Management
- Supply Chain Management

Selecting a Double Major

Students may pursue a major beyond their first PCB&E major. A second major is earned when the student has completed (in addition to the core business courses) all required major courses and elective major courses for the second major. Note that each required major course and elective major course the student completes will satisfy the requirements for only one of the student's declared majors.

Transferring Credit from another Institution

The Plaster College of Business and Entrepreneurship accepts credit in transfer from other regionally accredited institutions except for in the following cases: (1) No grade of D will be accepted in transfer for classes equivalent to ENGL/EPP 15000 or ENGL 17000, which must be transferred with a grade of a C or better. (2) Courses in which a grade of D was earned may not be applied to any business major, minor, or emphasis area (including prerequisite courses for the major, minor, or emphasis). The transferred grade of D may instead be counted for credit toward other general education or free elective requirements. Alternatively, the student may retake the course in question to apply it to a business major, minor, or emphasis area. (In this case, the transferred course credit will be removed from the transcript.)

Early Access to PCB&E Graduate Programs

With the approval of the dean of the appropriate college, traditional day undergraduate students may take up to 9 credit hours at the graduate level during their senior year at no additional charge. These hours will count toward a graduate degree if one is ultimately pursued but not toward the student's undergraduate degree. Under this option, the student must be enrolled in at least 12 credit hours at the undergraduate level for each semester that the student is taking graduate credit and have a minimum undergraduate 3.0 GPA. A maximum of 6 graduate credits may be earned per semester. Students in the early access program must maintain a 3.0 in all master's credits.

Course Formats and Schedules

The Plaster College of Business and Entrepreneurship offers many of its undergraduate courses in two formats: (1) the traditional face-to-face format, taught on campus through weekly course meetings and (2) a web-based, online format, conducted asynchronously, (i.e. without fixed course meetings), requiring students to participate independently multiple times throughout each week. Currently being offered online are the school's core business courses (required for completion of all business degrees), core marketing courses and a selection of business elective courses, the combination of which will permit a student to complete a Bachelor of Arts in Business Administration or Marketing online if desired. (See the descriptions of the business administration and marketing degrees for more information.) (3) students may attend Flex (FLX) courses asynchronous, synchronous online or in-person at the assigned campus or site location.

Notes: (1) Traditional courses are offered on a semester schedule, with the fall semester beginning in August, and the spring semester beginning in January. Online courses are eight weeks in length, with two online terms fitting within each traditional semester, one beginning at the start of the semester and the other beginning at the mid-point of the semester. Both traditional and online courses are also offered during the summer.

Internship Eligibility Requirements

Plaster College of Business and Entrepreneurship recognizes the value of student internships within their academic discipline. Students should consider the contribution that an internship can make in their education and starting their working careers. The school strongly recommends that students consider taking one internship during their junior or senior year. Students may include three credit hours at the 40000-level internship as credit towards the hours required in their major elective courses. Students may include additional internship credit hours as credit towards their free elective hours.

Undergraduate students must have completed the equivalent of four full semesters (60 credit hours) with a minimum of 12 credit hours of core courses in the Plaster College of Business and Entrepreneurship degree program. A cumulative grade point average of 2.5 overall and a cumulative grade point average of 3.0 in all required degree courses.

Degree and Major Requirements

To earn a Bachelor of Arts or Bachelor of Science in any business discipline, students must complete the following requirements:

- GE business courses (15-21 credit hours, required for all majors)
- Core business courses (36 credit hours, required for all majors)
- Required major courses (credit hours vary by major)
- Elective major courses (credit hours vary by major; courses are selected from among a list of courses available in the major*).

** Elective courses at or above the 30000-level may require prerequisites.*

GENERAL EDUCATION PCB&E REQUIREMENTS

To earn a Bachelor of Arts or Bachelor of Science in any business discipline, students must complete the following requirements:

- GE business courses (15-21 credit hours, required for all majors).

- Core business courses (36 credit hours, required for all majors).
- Required major courses (credit hours vary by major).
- Elective major courses (credit hours vary by major; courses are selected from among a list of courses available in the major*).

* Listed courses may require prerequisites outside of major. Click on course to view required prerequisites.

Requirements

To earn a degree in a business discipline, students must complete, with a grade of C or better, 15-21 credit hours of coursework towards the general education requirements.

General Education Requirements for PCB&E

<i>Requirement</i>	<i>Course</i>	<i>Recommended MTH courses to satisfy prerequisite</i>
Complete the following (GE-SocSci) course:	ECON 23020	MTH 14100, MTH 15100, MTH 15200, MTH 17500, MTH 24100, MTH 27100 or MTH 27200 with a C or better.
Complete the following (GE-SocSci) course:	ECON 23030	MTH 14100, MTH 15100, MTH 15200, MTH 17500, MTH 24100, MTH 27100 or MTH 27200 with a C or better.
Complete a PCB&E approved (GE-Comm) Communication course:	COM 10200, COM 10500, COM 11000, ENGL 23000 or SW 20000	
Select either of the following (GE-Math) courses:	MTH 14100 or MTH 24100	MTH 14100: Prerequisite: MTH 05100 or MTH 11000 with a C or better; or passing the placement test. MTH 24100: Prerequisite: MTH 15100 with a C or better; or passing

the placement test.

**For a Bachelor of Arts within the Plaster College of Business and Entrepreneurship, students must select one of the following seven (GE-Math) courses:

MTH 15100 (3)

**MTH 15110 (5)

MTH 15200 (3), MTH 17300 (4), MTH 17500 (4), MTH 27100 (5),

MTH 27200 (5)

MTH 17500 (4) or MTH 27100 (5)

MTH 15100: Prerequisite: MTH 11000 with a C or better; or passing the placement test.

**MTH 15110: Prerequisite: None

MTH 15200, MTH 17300: Prerequisite: MTH 15100 with a C or better; or passing the placement test. MTH 17500: Prerequisite: MTH 15100 with a C or better; or passing the placement test. MTH 27100: Prerequisite: MTH 15200 with a C or better; or passing the placement test

MTH 27200: Prerequisite: MTH 27100 with a C or better.

MTH 17500: Prerequisite: MTH 15100 with a C or better; or passing the placement test. MTH 27100: Prerequisite: MTH 15200 with a C or better; or passing the placement test

**In addition to the Bachelor of Arts requirements, students pursuing a Bachelor of Science must complete a third math course and can select from the following (GE-Math) courses:

**Bachelor of Science Health Management students may take an additional natural science course without a lab (GE-NatSci) which should be at least 3 credit hours in place of MTH 17500 or MTH 27100.

Updated after publishing – June Addendum – 6/18/2024**

Note: Refer to the general education requirements section of this catalog for more information.

CORE PCB&E REQUIREMENTS

36 credit hours

Requirements

Core Coursework

ACCT 21010	Principles of Financial Accounting	3
ACCT 21011	Principles of Managerial Accounting	3
FIN 32000	Principles of Finance	3
MGMT 16025	Introduction to Business and Free Enterprise	3
MGMT 24000	Introduction to Information Systems	3
MGMT 26032	Principles of Management	3
MGMT 26061	Business Law I	3
MGMT 36000	Principles of International Business	3
MGMT 36033	Business Analytics I	3
MGMT 46082	Management Policy	3
MRKT 35010	Principles of Marketing	3

Human Resource Functions Coursework

3 credit hours of coursework from the following options:*

HRM 36510	Human Resource Management	3
MGMT 36050	Organizational Behavior	3

*Students pursuing a Bachelor of Arts in Human Resource Management will take both of these courses.

MGMT 16025 (Business Environment and First Year Seminar) is waived if the student has nine or more credit hours in business coursework when entering the program.

MGMT 46082 (Management Policy) is the capstone course, which is to be taken during the student's last semester of the business program.

SPMGT 47080 (Sport Management Policy) is the capstone course for students pursuing a BA in Sport Management.

PCB&E 4+1 PILOT

Plaster College of Business and Entrepreneurship offers 4+1 pathways from undergraduate programs into selected business graduate programs that allows high-achieving undergraduate students an opportunity to earn a bachelor's degree and a master's degree in as few as five years. Students are required to have a cumulative GPA of 3.0 or higher; have earned 60 credit hours; be enrolled in a minimum of 12 undergraduate credit hours per term; and have completed the application for the 4+1 pathway. Students entering the 4+1 pathway may take up to 12 graduate hours while completing their undergraduate degree. For more information contact the college's Dean or Associate Dean or go to PCB&E 4+1 Pilot in the Graduate Catalog.

Accounting Department

Students pursuing a degree in accounting will acquire both theoretical and practical accounting skills. The accounting degree allows students the flexibility to choose, upon graduation, to enter private industry or to meet the accounting and business credit requirements necessary in order to sit for the Uniform CPA exam. Accounting students aspiring to become CPAs will be required to complete a total of 150 college credit hours become eligible for the CPA Exam and obtain their CPA license (some details vary by state). Students wishing to meet these requirements should consult with a faculty advisor to discuss such plans.

ACCOUNTING, BA

78-80 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

21 credit hours of coursework from the following options:

ACCT 31020	Financial Accounting and Reporting I	3
ACCT 31040	Accounting Information Systems	3
ACCT 31041	Introduction to Data Analytics for Accounting	3
ACCT 31050	Income Tax	3
ACCT 41021	Financial Accounting and Reporting II	3
ACCT 41030	Introduction to Cost Accounting	3
ACCT 41080	Auditing	3

Elective Coursework

6 credit hours of coursework from the following options:

ACCT 31012	Accounting Cycle Analyses	3
ACCT 39000-39999	Special Topics in Accounting	3
ACCT 41055	Income Tax-Corporate	3
ACCT 41060	Governmental and Nonprofit Accounting	3
ACCT 41065	Introduction to International Accounting	3
ACCT 41070	Financial Statement Analysis	3
ACCT 41095	Internship	1-9
ACCT 41096	Internship II	1-9

ACCT 49000-49999 Special Topics in Accounting 3

MGMT 36062 Business Law II 3

MGMT 46033 Business Analytics II 3

If using ACCT 41096 Internship II to fulfill 3 of the 6 credit hours of the elective requirement, It must be a distinct experiential learning endeavor from ACCT 41095 Internship I. Internships must include robust accounting duties and be either different employers, different practice areas, or both.

ACCOUNTING, BS

78-84 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

(p. 53)51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

21 credit hours of coursework from the following requirements:

ACCT 31020	Financial Accounting and Reporting I	3
ACCT 31040	Accounting Information Systems	3
ACCT 31041	Introduction to Data Analytics for Accounting	3
ACCT 31050	Income Tax	3
ACCT 41021	Financial Accounting and Reporting II	3
ACCT 41030	Introduction to Cost Accounting	3
ACCT 41080	Auditing	3

Elective Coursework

6 credit hours of coursework from the following options:

ACCT 31012	Accounting Cycle Analyses	3
ACCT 31041	Introduction to Data Analytics for Accounting	3
ACCT 39000-39999	Special Topics in Accounting	3
ACCT 41055	Income Tax-Corporate	3
ACCT 41060	Governmental and Nonprofit Accounting	3
ACCT 41065	Introduction to International Accounting	3
ACCT 41070	Financial Statement Analysis	3
ACCT 41095	Internship	1-9
ACCT 41096	Internship II	1-9
ACCT 49000-49999	Special Topics in Accounting	3

MGMT 36062	Business Law II	3
MGMT 46033	Business Analytics II	3

If using ACCT 41096 Internship II to fulfill 3 of the 6 credit hours of the elective requirement, the internship must be a distinct experiential learning endeavor from ACCT 41095 Internship I. Internships must include robust accounting duties and be either different employers, different practice areas, or both.

ACCOUNTING MINOR

21 credit hours

Requirements

Prerequisite Coursework

3 credit hours of coursework from the following options:

FIN 32000	Principles of Finance	3
MGMT 24000	Introduction to Information Systems	3

The recommended prerequisite choice should be based upon the student's anticipated elective selection. For ACCT 31040 or ACCT 31041, choose MGMT 24000; for ACCT 31050, choose FIN 32000.

Minor Coursework

15 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ACCT 21011	Principles of Managerial Accounting	3
ACCT 31012	Accounting Cycle Analyses	3
ACCT 31020	Financial Accounting and Reporting I	3
ACCT 41021	Financial Accounting and Reporting II	3

Elective Coursework

3 credit hours of coursework from the following options:

ACCT 31040	Accounting Information Systems	3
ACCT 31041	Introduction to Data Analytics for Accounting	3
ACCT 31050	Income Tax	3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

ACCOUNTING EMPHASIS

12 credit hours

Requirements

Students pursuing a BA or BS in business administration may earn an emphasis in accounting by completing 12 of

their 21-24 credit hours of elective coursework in accounting.

Emphasis Coursework

9 credit hours of coursework from the following options:

ACCT 31012	Accounting Cycle Analyses	3
ACCT 31020	Financial Accounting and Reporting I	3
ACCT 41021	Financial Accounting and Reporting II	3

Elective Coursework

3 credit hours of coursework from the following options:

ACCT 31041	Introduction to Data Analytics for Accounting	3
ACCT 31050	Income Tax	3

Advertising and Public Relations Department

"The only constant is change." This statement is especially true because consumer tastes are constantly changing as well as the media those consumers use to interact with products and services. We are exposed to up to 5,000 ads per day on personal computers, on our telephones, at the gas pumps, in movie theaters, on wrapped cars, in bathroom stalls, on stickers placed on fruit, and during sporting events. Like advertising, public relations is everywhere, as practitioners strive to gain editorial coverage for individuals and companies.

Digital media has reshaped the ad game as consumers are leaving a digital trail of their consumption of products and services. Companies risk losing customers if they are unable to tailor campaigns that reflect and resonate with the target audience. Consumers desire a dialogue with brands, and social media (tweet, video, chat, post, hashtag, blog) is an ideal tool for advertisers to converse with current and potential customers. Companies need savvy and knowledgeable people to navigate ever-changing situations. This could be you.

ADVERTISING AND PUBLIC RELATIONS, BA

57 credit hours

Requirements

Major Coursework

57 credit hours of coursework from the following options:

AAD 12000	Digital Foundations	3
APR 32280	Public Relations: Communication Strategies	3
APR 33500	Media Planning and Buying	3

APR 33900	Effective Messaging in Public Relations	3
APR 34200	Copywriting	3
APR 36300	Creative Advertising Concepts	3
APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
CINE 11000	Video Production	3
COM 24200	Basic Reporting	3
COM 32700	Media Literacy	3
DCS 35000	Personal Branding	3
DCS 38700	Emerging Platforms and Analytics	3
MGMT 16025	Introduction to Business and Free Enterprise	3
MGMT 26032	Principles of Management	3
MGMT 26061	Business Law I	3
MRKT 35010	Principles of Marketing	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 45070	Consumer Behavior	3

Elective Coursework

3 credit hours of coursework from the following options:

APR 30141	Applied Advertising and Public Relations I	1
APR 30142	Applied Advertising and Public Relations II	2
APR 30143	Applied Advertising and Public Relations III	3
APR 45000	Advertising and Public Relations Internship	1-9

Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

APR 10800	Advertising and Public Relations Seminar	0
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No duplication of coursework is permitted within the program.

ADVERTISING MINOR

21 credit hours

Requirements

Minor Coursework

21 credit hours of coursework from the following options:

AAD 12000	Digital Foundations	3
APR 33500	Media Planning and Buying	3
APR 34200	Copywriting	3
APR 36300	Creative Advertising Concepts	3

CINE 11000	Video Production	3
MRKT 35010	Principles of Marketing	3
MRKT 35040	Advertising and Promotional Strategy	3

Some students may have already taken MRKT 35010 and MRKT 35040 as part of the required courses within their program of study and may be able to waive the requirement.

PUBLIC RELATIONS MINOR

21 credit hours

Requirements

Minor Coursework

21 credit hours of coursework from the following options:

AAD 12000	Digital Foundations	3
APR 32280	Public Relations: Communication Strategies	3
APR 33900	Effective Messaging in Public Relations	3
CINE 11000	Video Production	3
COM 24200	Basic Reporting	3
MRKT 35010	Principles of Marketing	3
MRKT 45070	Consumer Behavior	3

Some students may have already taken MRKT 35010 and MRKT 45070 as part of the required courses within their program of study and may be able to waive the requirement.

ADVERTISING AND PUBLIC RELATIONS EMPHASIS

12 credit hours

Requirements

Emphasis Coursework

9 credit hours of coursework from the following:

APR 32280	Public Relations: Communication Strategies	3
APR 34200	Copywriting	3
MRKT 35040	Advertising and Promotional Strategy	3

Advertising and PR Competition Coursework

3 credit hours from the following options:

APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3

Business Administration Department

Students may obtain a Bachelor of Arts or Bachelor of Science in business administration, and, if desired, they may customize their business administration degree by adding an emphasis in a particular area of study.

A Bachelor of Arts in business administration may be earned traditionally or online. The online degree may be earned by completing online both (1) all core business courses and (2) the seven elective courses currently offered online. Alternatively, to complete the degree, students may instead opt to select any seven elective courses from among the online and traditionally offered business elective courses at or above the 30000-level, including no more than one special topics and/or internship course.

Note that if a student wishes to complete an emphasis area, some emphasis area elective coursework must be completed on campus, as an emphasis requires a minimum of 12 credit hours from within a single business discipline.

BUSINESS ADMINISTRATION, BA

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

3 credit hours of coursework from the following option:

MGMT 36043	Principles of Operations Management	3
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Elective Coursework

21 credit hours of coursework from the following options:

Courses are selected from any business course at or above the 30000-level, including no more than one special topics and/or internship course. Students pursuing an emphasis area will complete 12 credit hours of elective coursework from within one business discipline.

BUSINESS ADMINISTRATION, BS

78-84 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

3 credit hours of coursework from the following option:

MGMT 36043	Principles of Operations Management	3
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Elective Coursework

24 credit hours of coursework from the following options:

Courses are selected from any business course at or above the 30000-level, including no more than one special topics and/or internship course. Students pursuing an emphasis area will complete 12 credit hours of elective coursework from within one business discipline.

BUSINESS ADMINISTRATION MINOR

15 credit hours

Students from majors outside of the Plaster College of Business and Entrepreneurship may earn a minor in business administration by completing the following courses.

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
MGMT 26032	Principles of Management	3

Economics Coursework

3 credit hours of coursework from the following options:

ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

Elective Coursework

6 credit hours of coursework from or above the 30000-level ACCT, ECON, FIN, HM, HRM, MGMT, MRKT, or SPMGT course.

The PCB&E elective coursework listed above can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

Prerequisite coursework may be required prior to enrollment in minor courses.

Economics Department

An economics minor provides students with a solid grounding in economic theory, along with training in applied econometrics. Economics training provides excellent preparation for graduate coursework in business, law, or the social sciences.

ECONOMICS MINOR

18 credit hours

Requirements

Minor Coursework

3 credit hours of coursework from the following option:

ECON 33025	Money and Banking	3
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Minor Coursework Cont'

3 credit hours of coursework from the following options:

ECON 23010	Survey of Economics	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

Mathematics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 15100	College Algebra	3
MTH 24100	Statistics for Natural Science	3

Elective Coursework

9 credit hours of coursework from the following options:

ECON 33031	International Economics	3
ECON 33060	History of Economic Thought	3
ECON 43010	Labor Economics	3
ECON 43095	Internship	1-9

Students choosing to use ECON 43095 must take the course for at least 3 credit hours to fulfill the 9 credit hour requirement.

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

ECONOMICS EMPHASIS

12 credit hours

Requirements

Students pursuing a BA or BS in business administration may earn an emphasis in economics by completing 12 of their 21-24 credit hours of elective coursework in economics.

Emphasis Coursework

3 credit hours of coursework from the following option:

ECON 33025	Money and Banking	3
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Elective Coursework

9 credit hours of coursework from the following options:

ECON 33031	International Economics	3
ECON 33060	History of Economic Thought	3
ECON 43010	Labor Economics	3
ECON 43095	Internship	1-9

Students choosing to use ECON 43095 must take the course for at least 3 credit hours to fulfill the 9 credit hour requirement.

Entrepreneurial Studies Department

Students pursuing a minor in entrepreneurial studies will acquire skills needed to develop, assess and launch a new business venture or to reinvigorate an existing business. The entrepreneurial studies minor is designed to provide students with specialized coursework in developing, financing, marketing and operating their own business venture. Entrepreneurial studies provide students with practical knowledge for creating business plans to start and to manage their own businesses enterprises.

ENTREPRENEURIAL STUDIES MINOR

12 credit hours

Requirements

Minor Coursework

3 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
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Elective Coursework

9 credit hours of coursework from the following options:

ENTR 37505	Innovation	3
ENTR 37520	Real Estate Principles	3
ENTR 39000-39999	Special Topics in Entrepreneurial Studies	3
ENTR 47510	Financing Business Ventures	3
ENTR 47515	Case Studies in Entrepreneurship	3
ENTR 47520	New Venture Initiation	3
ENTR 47595	Internship	1-9
ENTR 49000-49999	Special Topics in Entrepreneurial Studies	1-3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

ENTREPRENEURIAL STUDIES EMPHASIS

12 credit hours

Requirements

Students pursuing a BA or BS in business administration may earn an emphasis in entrepreneurial studies by completing 12 of their 21-24 credit hours of elective coursework in entrepreneurial studies.

Emphasis Coursework

3 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
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Elective Coursework

9 credit hours of coursework from the following options:

ENTR 37505	Innovation	3
ENTR 37520	Real Estate Principles	3
ENTR 39000-39999	Special Topics in Entrepreneurial Studies	3
ENTR 47510	Financing Business Ventures	3
ENTR 47515	Case Studies in Entrepreneurship	3
ENTR 47520	New Venture Initiation	3
ENTR 47595	Internship	1-9
ENTR 49000-49999	Special Topics in Entrepreneurial Studies	1-3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

Finance Department

FINANCE, BA

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

12 credit hours of coursework from the following options:

FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3
FIN 32050	Financial Institutions and Markets	3
FIN 42080	Seminar in Finance	3

Elective Coursework

12 credit hours of coursework from the following options:

ACCT 31020	Financial Accounting and Reporting I	3
ACCT 31050	Income Tax	3
ACCT 41021	Financial Accounting and Reporting II	3
ACCT 41055	Income Tax-Corporate	3
ACCT 41070	Financial Statement Analysis	3
ECON 33025	Money and Banking	3
ECON 43078	Econometrics	3

ENTR 37520	Real Estate Principles	3
ENTR 47510	Financing Business Ventures	3
FIN 32015	International Finance	3
FIN 32030	Personal Finance	3
FIN 32035	Retirement Planning	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
FIN 39000-39999	Special Topics in Finance	1-3
FIN 42010	Corporate Finance II	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6
FIN 42095	Internship	1-9
FIN 49000-49999	Special Topics in Finance	1-3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3

FINANCE, BA INVESTMENTS EMPHASIS

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

12 credit hours of coursework from the following options:

FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3
FIN 32050	Financial Institutions and Markets	3
FIN 42080	Seminar in Finance	3

Emphasis Coursework

9 credit hours of coursework from the following options:

ACCT 41070	Financial Statement Analysis	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6

Elective Coursework

3 credit hours of coursework from the following options:

ACCT 31020	Financial Accounting and Reporting I	3
ACCT 31050	Income Tax	3
ACCT 41021	Financial Accounting and Reporting II	3

ACCT 41055	Income Tax-Corporate	3
ECON 33025	Money and Banking	3
ECON 43078	Econometrics	3
ENTR 37520	Real Estate Principles	3
ENTR 47510	Financing Business Ventures	3
FIN 32015	International Finance	3
FIN 32030	Personal Finance	3
FIN 32035	Retirement Planning	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
FIN 39000-39999	Special Topics in Finance	1-3
FIN 42010	Corporate Finance II	3
FIN 42040	Investment Applications	3-6
FIN 42095	Internship	1-9
FIN 49000-49999	Special Topics in Finance	1-3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3

Students choosing to use FIN 42040 must take the course for an additional 3 credit hours to fulfill this elective requirement.

Students choosing to use FIN 42095 must take the course for at least 3 credit hours to fulfill this elective requirement.

FINANCE, BS

78-84 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

12 credit hours of coursework from the following options:

FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3
FIN 32050	Financial Institutions and Markets	3
FIN 42080	Seminar in Finance	3

Elective Coursework

15 credit hours of coursework from the following options:

ACCT 31020	Financial Accounting and Reporting I	3
ACCT 31050	Income Tax	3

ACCT 41021	Financial Accounting and Reporting II	3
ACCT 41055	Income Tax-Corporate	3
ACCT 41070	Financial Statement Analysis	3
ECON 33025	Money and Banking	3
ECON 43078	Econometrics	3
ENTR 37520	Real Estate Principles	3
ENTR 47510	Financing Business Ventures	3
FIN 32015	International Finance	3
FIN 32030	Personal Finance	3
FIN 32035	Retirement Planning	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
FIN 39000-39999	Special Topics in Finance	1-3
FIN 42010	Corporate Finance II	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6
FIN 42095	Internship	1-9
FIN 49000-49999	Special Topics in Finance	1-3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3

FINANCE, BS INVESTMENTS EMPHASIS

78-84 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

12 credit hours of coursework from the following options:

FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3
FIN 32050	Financial Institutions and Markets	3
FIN 42080	Seminar in Finance	3

Emphasis Coursework

9 credit hours of coursework from the following options:

ACCT 41070	Financial Statement Analysis	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6

Elective Coursework

6 credit hours of coursework from the following options:

ACCT 31020	Financial Accounting and Reporting I	3	ENTR 37520	Real Estate Principles	3
ACCT 31050	Income Tax	3	ENTR 47510	Financing Business Ventures	3
ACCT 41021	Financial Accounting and Reporting II	3	FIN 32015	International Finance	3
ACCT 41055	Income Tax-Corporate	3	FIN 32030	Personal Finance	3
ECON 33025	Money and Banking	3	FIN 32035	Retirement Planning	3
ECON 43078	Econometrics	3	FIN 32036	Estate Planning	3
ENTR 37520	Real Estate Principles	3	FIN 32040	Risk and Insurance	3
ENTR 47510	Financing Business Ventures	3	FIN 42010	Corporate Finance II	3
FIN 32015	International Finance	3	FIN 42020	Investments II	3
FIN 32030	Personal Finance	3	FIN 49000-49999	Special Topics in Finance	1-3
FIN 32035	Retirement Planning	3			
FIN 32036	Estate Planning	3			
FIN 32040	Risk and Insurance	3			
FIN 39000-39999	Special Topics in Finance	1-3			
FIN 42010	Corporate Finance II	3			
FIN 42040	Investment Applications	3-6			
FIN 42095	Internship	1-9			
FIN 49000-49999	Special Topics in Finance	1-3			
MTH 32400	Theory of Financial Mathematics I	3			
MTH 32500	Theory of Financial Mathematics II	3			
MTH 32600	Models for Financial Economics	3			

Students choosing to use FIN 42040 must take the course for an additional 3 credit hours to fulfill this elective requirement.

Students choosing to use FIN 42095 must take the course for at least 3 credit hours to fulfill this elective requirement.

FINANCE MINOR

21 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
FIN 32000	Principles of Finance	3
FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3

Economics Coursework

3 credit hours of coursework from the following options:

ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

Elective Coursework

6 credit hours of coursework from the following options:

ENTR 37520	Real Estate Principles	3
ENTR 47510	Financing Business Ventures	3
FIN 32015	International Finance	3
FIN 32030	Personal Finance	3
FIN 32035	Retirement Planning	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
FIN 42010	Corporate Finance II	3
FIN 42020	Investments II	3
FIN 49000-49999	Special Topics in Finance	1-3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

FINANCE EMPHASIS

12 credit hours

Requirements

Students pursuing a BA or BS in business administration may earn an emphasis in finance by completing 12 of their 21-24 credit hours of elective coursework in finance.

Emphasis Coursework

3 credit hours of coursework from the following option:

FIN 32010	Corporate Finance I	3
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Elective Coursework

9 credit hours of coursework from the following options:

FIN 32015	International Finance	3
FIN 32020	Investments I	3
FIN 32030	Personal Finance	3
FIN 32035	Retirement Planning	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
FIN 32050	Financial Institutions and Markets	3
FIN 42010	Corporate Finance II	3
FIN 42020	Investments II	3
FIN 49000-49999	Special Topics in Finance	1-3

INVESTMENTS MINOR

24 credit hours

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ACCT 41070	Financial Statement Analysis	3

FIN 32000	Principles of Finance	3
FIN 32020	Investments I	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6

FIN 42040 must be taken for at least 3 credit hours to fulfill the 18 credit hour requirement.

Economics Coursework

3 credit hours of coursework from the following options:

ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

Elective Coursework

3 credit hours of coursework from the following options:

ECON 43078	Econometrics	3
FIN 42040	Investment Applications	3-6
FIN 42095	Internship	1-9

Students choosing to use FIN 42040 must take the course for an additional 3 credit hours to fulfill this elective requirement.

Students choosing to use FIN 42095 must take the course for at least 3 credit hours to fulfill this elective requirement.

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

INVESTMENTS EMPHASIS

15 credit hours

Requirements

Students pursuing a BA or BS in business administration or finance may earn an emphasis in investments by completing 15 of their 21-24 credit hours of elective coursework.

Emphasis Coursework

12 credit hours of coursework from the following options:

ACCT 41070	Financial Statement Analysis	3
FIN 32020	Investments I	3
FIN 42020	Investments II	3
FIN 42040	Investment Applications	3-6

FIN 42040 must be taken for at least 3 credit hours to fulfill the 12 credit hour requirement.

Elective Coursework

3 credit hours of coursework from the following option:

ECON 43078	Econometrics	3
FIN 42040	Investment Applications	3-6
FIN 42095	Internship	1-9

Students choosing to use FIN 42040 must take the course for an additional 3 credit hours to fulfill this elective requirement.

Students choosing to use FIN 42095 must take the course for at least 3 credit hours to fulfill this elective requirement.

Health Management Department

HEALTH MANAGEMENT, BS

75-77 credit hours

Requirements

PCB&E GE and PCB&E Core Coursework

(p. 53)51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Bachelor of Science Health Management students may take an additional natural science course without a lab (GE-NatSci) which should be at least 3 credit hours in place of MTH 17300, MTH 17500, or MTH 27100.

Core Business Requirements (p. 115)

Major Coursework

21 credit hours of coursework from the following options:

HM 30100	Ethical Issues in Healthcare Management	3
HM 30200	Healthcare Management	3
HM 31010	Healthcare Financial Management	3
HM 33300	Legal Issues in Healthcare	3
HM 46000	Healthcare Delivery, Policy and Research	3
HM 48700	Contemporary and Critical Issues in Healthcare Management	3
HM 48900	Health Management Capstone	3

Elective Coursework

3 credit hours of coursework from the following options:

HM 44000	Long-Term Care and Ethics	3
HM 48995	Health Management Internship	1-9

HEALTH MANAGEMENT MINOR

21 credit hours

Requirements

Minor Coursework

15 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
HM 30200	Healthcare Management	3
HM 31010	Healthcare Financial Management	3
HM 33300	Legal Issues in Healthcare	3
HM 46000	Healthcare Delivery, Policy and Research	3

Health Coursework

3 credit hours of coursework from the following options:

HM 48700	Contemporary and Critical Issues in Healthcare Management	3
PHS 20000	Foundations of Public Health	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

HEALTH MANAGEMENT EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in health management by completing 12 of their 21-24 credit hours of elective coursework in health management.

Requirements

Emphasis Coursework

12 credit hours of coursework from the following options:

HM 30200	Healthcare Management	3
HM 31010	Healthcare Financial Management	3
HM 33300	Legal Issues in Healthcare	3
HM 46000	Healthcare Delivery, Policy and Research	3

Human Resource Management Department

The Bachelor of Arts in human resource management prepares students for a career in a field with increasing opportunities. Recognizing the projected continuing high demand for knowledgeable skilled HR professionals, Lindenwood University was the first university in Missouri to earn the national Society for Human Resource Management (SHRM) Alignment Honor. This prestigious and distinctive honor is maintained with HRM course topics that are current, thorough, and taught with practical applications for a variety of employment settings. Students earning the HRM degree can become knowledgeable in key aspects of recruiting, hiring, talent management,

performance management, HR metrics, compensation, employee benefits, employee training, learning development, employment law, labor relations, and executive practices leading employees. HRM faculty provides real-life situational experiences acquired from HR leadership roles in service industries, government, non-profit organizations, and manufacturing. Lindenwood offers a major, minor, and an emphasis in HRM.

HUMAN RESOURCE MANAGEMENT, BA

78-80 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

21 credit hours of coursework from the following options:

HRM 36510	Human Resource Management	3
HRM 36530	Employee Training and Development	3
HRM 36540	Employment Law	3
HRM 36545	Employee Selection	3
HRM 36550	Compensation and Benefits	3
HRM 46599	Human Resource Management Capstone	3
MGMT 36050	Organizational Behavior	3

Elective Coursework

6 credit hours of coursework from the following options:

HRM 36520	Labor Relations	3
HRM 36535	Talent Management	3
HRM 36560	Implementing and Managing Diversity	3
HRM 36570	Human Resource Information Systems	3
HRM 46595	Internship	1-9
HRM 46596	Internship II	1-6
MGMT 36081	Career Development	3

HUMAN RESOURCE MANAGEMENT MINOR

18 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

HRM 36510	Human Resource Management	3
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HRM 36540	Employment Law	3
HRM 36545	Employee Selection	3
MGMT 26032	Principles of Management	3

Development Coursework

3 credit hours of coursework from the following options:

HRM 36530	Employee Training and Development	3
HRM 36535	Talent Management	3

Elective Coursework

3 credit hours of coursework from the following options:

HRM 36520	Labor Relations	3
HRM 36550	Compensation and Benefits	3
HRM 36560	Implementing and Managing Diversity	3
HRM 39000-39999	Special Topics in Human Resource Management	1-3
HRM 49000-49999	Special Topics in Human Resource Management	1-3
MGMT 36050	Organizational Behavior	3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

HUMAN RESOURCE MANAGEMENT EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in human resource management by completing 12 of their 21-24 credit hours of elective coursework in human resource management.

Requirements

Emphasis Coursework

6 credit hours of coursework from the following options:

HRM 36510	Human Resource Management	3
HRM 36540	Employment Law	3

Elective Coursework

6 credit hours of coursework from the following options:

HRM 36520	Labor Relations	3
HRM 36530	Employee Training and Development	3
HRM 36535	Talent Management	3
HRM 36545	Employee Selection	3
HRM 36550	Compensation and Benefits	3
HRM 36570	Human Resource Information Systems	3
MGMT 36050	Organizational Behavior	3

MGMT 36050 may be selected as an elective only if not selected to fulfill the major core requirement.

International Business Department

INTERNATIONAL BUSINESS MINOR

15 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

MGMT 36000	Principles of International Business	3
MGMT 36010	International Management	3
MGMT 46020	Global Leadership	3
MRKT 35015	International Marketing	3

Elective Coursework

3 credit hours of coursework from the following options:

ECON 33031	International Economics	3
FIN 32015	International Finance	3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

INTERNATIONAL BUSINESS EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in international business by completing 12 of their 21-24 credit hours of elective coursework in international business.

Requirements

Emphasis Coursework

9 credit hours of coursework from the following options:

MGMT 36010	International Management	3
MGMT 46020	Global Leadership	3
MRKT 35015	International Marketing	3

Elective Coursework

3 credit hours of coursework from the following options:

ECON 33031	International Economics	3
FIN 32015	International Finance	3

Management Department

BUSINESS LAW MINOR

18 credit hours

The Business Law Minor enables students to learn about key areas of the law as it pertains to certain business fields. Students interested in pursuing this minor will become versed in understanding how the law is applied in various

business areas – providing a good foundation for careers involving administration and general management, human resource management, healthcare management, procurement, real estate or entrepreneurship.

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

MGMT 26061	Business Law I	3
MGMT 36062	Business Law II	3

Philosophy Coursework

3 credit hours of coursework from the following options:

PHRL 30000	The Natural Law	3
PHRL 30400	Philosophy of Law	3

Elective Coursework

9 credit hours of coursework from the following options:

ACCT 31050	Income Tax	3
ACCT 41055	Income Tax-Corporate	3
CCJ 33500	Cyber Crime	3
ENTR 37520	Real Estate Principles	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
HM 33300	Legal Issues in Healthcare	3
HRM 36540	Employment Law	3
MGMT 46095	Internship	1-9
PS 31100	American Constitutional Law	3
PS 36000	Civil Liberties	3
SPMGT 37060	Sport Law	3

MGMT 46095 must be taken for at least three-credit-hours to meet this requirement.

BUSINESS LAW EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in business law by completing 12 of their 21-24 credit hours of coursework in business law.

The Business Administration degree with Business Law Emphasis enables students to learn about key areas of the law as it pertains to certain business fields. Students interested in pursuing this emphasis will become versed in understanding how the law is applied in various business areas – providing a good foundation for careers involving administration and general management, human resource management, healthcare management, procurement, real estate or entrepreneurship.

Requirements

Emphasis Coursework

3 credit hours of coursework from the following option:

MGMT 36062	Business Law II	3
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Elective Coursework

9 credit hours of coursework from the following options:

ACCT 31050	Income Tax	3
ACCT 41055	Income Tax-Corporate	3
ENTR 37520	Real Estate Principles	3
FIN 32036	Estate Planning	3
FIN 32040	Risk and Insurance	3
HM 33300	Legal Issues in Healthcare	3
HRM 36540	Employment Law	3
MGMT 46095	Internship	1-9
SPMGT 37060	Sport Law	3

MGMT 46095 must be taken for at least three-credit-hours to meet this requirement.

MANAGEMENT MINOR

27 credit hours

Requirements

Minor Coursework

21 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23020	Principles of Microeconomics	3
HRM 36510	Human Resource Management	3
MGMT 26032	Principles of Management	3
MGMT 36043	Principles of Operations Management	3
MGMT 36050	Organizational Behavior	3
MGMT 46040	Project Management	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Elective Coursework

3 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
MGMT 36010	International Management	3
MGMT 36050	Organizational Behavior	3
MGMT 36055	Managerial Ethics	3
MGMT 36081	Career Development	3
MGMT 46095	Internship	1-9

MANAGEMENT EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in management by completing 12 of their 21-24 credit hours of coursework in management.

Requirements

Emphasis Coursework

3 credit hours of coursework from the following option:

MGMT 46040	Project Management	3
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Elective Coursework

9 credit hours of coursework from the following options:

ENTR 37510	Small Business and Entrepreneurship	3
HRM 36510	Human Resource Management	3
MGMT 36010	International Management	3
MGMT 36042	Principles of Supply Chain Management	3
MGMT 36050	Organizational Behavior	3
MGMT 36062	Business Law II	3
MGMT 36081	Career Development	3
MGMT 46033	Business Analytics II	3

HRM 36510 or MGMT 36050 may be selected only if not selected to fulfill the core requirement.

SUPPLY CHAIN MANAGEMENT MINOR

30 credit hours

Requirements

Minor Coursework

24 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23020	Principles of Microeconomics	3
MGMT 26032	Principles of Management	3
MGMT 36000	Principles of International Business	3
MGMT 36042	Principles of Supply Chain Management	3
MGMT 36043	Principles of Operations Management	3
MGMT 36044	Principles of Procurement Management	3
MGMT 36045	Principles of Logistics Management	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Elective Coursework

3 credit hours of coursework from the following options:

GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
MGMT 46040	Project Management	3
MRKT 35015	International Marketing	3

SUPPLY CHAIN MANAGEMENT EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in supply chain management by completing 12 of their 21-24 credit hours of elective coursework in management.

Supply chain management (SCM) is an evolving business practice consisting of efficient and effective procurement, manufacturing/operations, and distribution of goods. Students will learn skills valued by manufacturing, transportation, retail, healthcare and financial institutions including 6 Sigma, Lean, Just-in-Time inventory management, and process integration between businesses.

Requirements

Emphasis Coursework

9 credit hours of coursework from the following options:

MGMT 36042	Principles of Supply Chain Management	3
MGMT 36044	Principles of Procurement Management	3
MGMT 36045	Principles of Logistics Management	3

Elective Coursework

3 credit hours of coursework from the following options:

GEO 30000	Advanced Topics in Geographic Information Systems (GIS)	3
MGMT 46040	Project Management	3
MRKT 35015	International Marketing	3

Marketing Department

MARKETING, BA

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Elective Coursework

9 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
APR 36300	Creative Advertising Concepts	3
APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
DCS 38700	Emerging Platforms and Analytics	3
MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35025	Social Media Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35060	Product Management	3
MRKT 39000-39999	Special Topics in Marketing	1-3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9
MRKT 49000-49999	Special Topics in Marketing	1-3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

MARKETING, BA ADVERTISING EMPHASIS

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Emphasis Coursework

3 credit hours of coursework from the following option:

APR 36300	Creative Advertising Concepts	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
MRKT 35025	Social Media Marketing	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
APR 33500	Media Planning and Buying	3
APR 34200	Copywriting	3
CINE 11000	Video Production	3
COM 15100	Radio Production	3

MARKETING, BA DIGITAL MARKETING EMPHASIS

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Emphasis Coursework

3 credit hours of coursework from the following option:

MRKT 35025	Social Media Marketing	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

APR 36300	Creative Advertising Concepts	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options.

AAD 10050	Web Design I	3
AAD 10100	Emerging Technologies	3
AAD 11000	Programming Logic	3
AAD 20300	Adobe Certification in Photoshop	3
DSCI 11000	Introduction to Data Science	3

MARKETING, BA SALES EMPHASIS

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3

MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Emphasis Coursework

3 credit hours of coursework from the following option:

MRKT 35030	Pricing Strategy and Negotiations	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35060	Product Management	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options:

ENTR 37520	Real Estate Principles	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
MGMT 26014	Excel for Professionals	3
MGMT 36043	Principles of Operations Management	3

MARKETING, BS

78-84 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Elective Coursework

12 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
APR 36300	Creative Advertising Concepts	3
APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
DCS 38700	Emerging Platforms and Analytics	3
MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35025	Social Media Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35060	Product Management	3
MRKT 39000- 39999	Special Topics in Marketing	1-3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9
MRKT 49000- 49999	Special Topics in Marketing	1-3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

MARKETING, BS ADVERTISING EMPHASIS

81-87 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Major Elective Coursework

3 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
APR 33900	Effective Messaging in Public Relations	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35060	Product Management	3
MRKT 39000-39999	Special Topics in Marketing	1-3
MRKT 45060	Marketing Communications	3
MRKT 49000-49999	Special Topics in Marketing	1-3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

Emphasis Coursework

3 credit hours of coursework from the following option:

APR 36300	Creative Advertising Concepts	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
MRKT 35025	Social Media Marketing	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options:

AAD 20300	Adobe Certification in Photoshop	3
APR 33500	Media Planning and Buying	3
APR 34200	Copywriting	3
CINE 11000	Video Production	3
COM 15100	Radio Production	3

MARKETING, BS DIGITAL MARKETING EMPHASIS

81-87 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-57 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Major Elective Coursework

3 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
APR 33900	Effective Messaging in Public Relations	3
APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
MGMT 36042	Principles of Supply Chain Management	3
MRKT 35010	Principles of Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35060	Product Management	3
MRKT 39000-39999	Special Topics in Marketing	1-3
MRKT 45060	Marketing Communications	3
MRKT 49000-49999	Special Topics in Marketing	1-3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

Emphasis Coursework

3 credit hours of coursework from the following option:

MRKT 35025	Social Media Marketing	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

APR 36300	Creative Advertising Concepts	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options.

AAD 10050	Web Design I	3
AAD 10100	Emerging Technologies	3
AAD 11000	Programming Logic	3
AAD 20300	Adobe Certification in Photoshop	3
DSCI 11000	Introduction to Data Science	3

MARKETING, BS SALES EMPHASIS

81-87 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

15 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 45080	Marketing Management and Planning	3

Major Elective Coursework

3 credit hours of coursework from the following options:

APR 32280	Public Relations: Communication Strategies	3
APR 33900	Effective Messaging in Public Relations	3
APR 36300	Creative Advertising Concepts	3

APR 41600	Advertising and Public Relations Competition I	3
APR 41700	Advertising and Public Relations Competition II	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MRKT 35025	Social Media Marketing	3
MRKT 39000-39999	Special Topics in Marketing	1-3
MRKT 45060	Marketing Communications	3
MRKT 49000-49999	Special Topics in Marketing	1-3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

Emphasis Coursework

3 credit hours of coursework from the following option:

MRKT 35030	Pricing Strategy and Negotiations	3
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Emphasis Elective Coursework

6 credit hours of coursework from the following options:

MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35060	Product Management	3
MRKT 45070	Consumer Behavior	3
MRKT 45095	Internship	1-9

Note: Students may include one (3 credit hour) MRKT 45095 internship to satisfy one of the two course requirements above for the Marketing program.

Emphasis Elective Coursework Cont.

3 credit hours of coursework from the following options:

ENTR 37520	Real Estate Principles	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
MGMT 26014	Excel for Professionals	3
MGMT 36043	Principles of Operations Management	3

MARKETING MINOR

15 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

MRKT 35010	Principles of Marketing	3
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MRKT 45080	Marketing Management and Planning	3
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Marketing Elective Coursework

6 credit hours of coursework from the following options:

MRKT 35020	Marketing Information and Research	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3

Elective Coursework

3 credit hours of coursework from the following options or an additional course not already chosen from above (MRKT 35020, MRKT 35040, MRKT 35045, or MRKT 35050):

APR 36300	Creative Advertising Concepts	3
DCS 38700	Emerging Platforms and Analytics	3
DCS 40000	Contemporary Audience Analysis	3
MGMT 36042	Principles of Supply Chain Management	3
MRKT 35015	International Marketing	3
MRKT 35025	Social Media Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35060	Product Management	3
MRKT 45060	Marketing Communications	3
MRKT 45070	Consumer Behavior	3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3

No duplication of coursework is permitted within the program.

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

MARKETING EMPHASIS

12 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in marketing by completing 12 of their 21-24 credit hours of elective coursework in marketing.

Requirements

Emphasis Coursework

12 credit hours of coursework from the following options:

APR 36300	Creative Advertising Concepts	3
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APR 42700	Advertising Campaign Management	3
MRKT 35015	International Marketing	3
MRKT 35020	Marketing Information and Research	3
MRKT 35025	Social Media Marketing	3
MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35045	Digital Marketing	3
MRKT 35050	Selling	3
MRKT 35060	Product Management	3
MRKT 45060	Marketing Communications	3
MRKT 45070	Consumer Behavior	3
SPMGT 37040	Sport Marketing and Promotion	3

MARKETING CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Students from majors outside of the Plaster College of Business and Entrepreneurship may earn a Certificate in Marketing by completing the following courses:

Requirements

Certificate Coursework

9 credit hours of coursework from the following options:

MRKT 35010	Principles of Marketing	3
MRKT 35020	Marketing Information and Research	3
MRKT 45095	Internship	1-9

Students choosing to use MRKT 45095 must take the course for at least 3 credit hours to fulfill the 9 credit hour requirement.

Elective Coursework

6 credit hours of coursework from the following options:

MRKT 35030	Pricing Strategy and Negotiations	3
MRKT 35040	Advertising and Promotional Strategy	3
MRKT 35050	Selling	3

Sport Management Department

A Bachelor of Arts in sport management prepares students for a career in the sport industry. The sport management degree provides students with a core business degree; however, it also gives students the opportunity to apply the core business theories of economics, marketing, finance, and accounting to the growing world of sport and

recreation. Students graduating with a sport management degree are prepared for a career in any sector of the sport industry, including sales of sport and sport related products, event management, facility management, intercollegiate athletics, youth and high school sports, professional sport, and sport marketing.

The sport management degree prepares students through both theoretical and practical learning. Students learn the theories associated with marketing, selling, directing, and financing sport while incorporating the legal and ethical theories necessary to be a successful sport manager. Students also have the opportunity to practically apply the theories that they learn in the classroom through active learning and real-life situational case studies. Finally, all sport management students are required to complete a practicum (internship) in the sport industry, allowing them to gain practical experience and a jump-start on their careers.

SPORT MANAGEMENT, BA

78-80 credit hours

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

21 credit hours of coursework from the following options:

SPMGT 27020	Sport Business Orientation	3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3
SPMGT 37060	Sport Law	3
SPMGT 37080	Sport Economics and Finance	3
SPMGT 37093	Social Issues in Sport Business	3
SPMGT 47095	Sport Management Internship	3

Elective Coursework

6 credit hours of coursework from the following options.

SPMGT 37020	Strategic Management of Sports Facilities	3
SPMGT 37070	Sport Sales & Sales Management	3

SPMGT 39000-39999	Special Topics in Sport Management	1-3
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Suggested Free Elective Coursework

The following courses are options to assist the student reach 120 credit hours for program completion. They are suggestions to expand the students sport management experience.

MGMT 36081	Career Development	3
SPMGT 27030	Sport Management Experience I: Introduction to Working in Intercollegiate Athletics	1
SPMGT 27040	Sport Management Experience II: Intercollegiate Athletics in Practice	2

SPORT MANAGEMENT MINOR

15 credit hours

Requirements**Minor Coursework**

9 credit hours of coursework from the following options:

MRKT 35010	Principles of Marketing	3
SPMGT 27020	Sport Business Orientation	3
SPMGT 37040	Sport Marketing and Promotion	3

Elective Coursework

6 credit hours of coursework from the following options:

SPMGT 37020	Strategic Management of Sports Facilities	3
SPMGT 37050	Sport Event & Entertainment Management	3
SPMGT 37060	Sport Law	3
SPMGT 37070	Sport Sales & Sales Management	3
SPMGT 37080	Sport Economics and Finance	3

Note: The additional courses listed above that are beyond the Business Administration core can be used to satisfy the requirements for only one of the following: a major, a minor, or an emphasis.

SPORT MANAGEMENT EMPHASIS

15 credit hours

Students pursuing a BA or BS in business administration may earn an emphasis in sport management by completing SPMGT 27020 (3 credit hours) and an additional 12 credit hours of elective coursework in sport management.

Requirements**Emphasis Coursework**

3 credit hours of coursework from the following option:

SPMGT 27020	Sport Business Orientation	3
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Elective Coursework

12 credit hours of coursework from the following options:

SPMGT 37020	Strategic Management of Sports Facilities	3
SPMGT 37030	Ethical Dilemmas in the Sport Settings	3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37050	Sport Event & Entertainment Management	3
SPMGT 37060	Sport Law	3
SPMGT 37070	Sport Sales & Sales Management	3
SPMGT 37080	Sport Economics and Finance	3

Military Science and Aerospace Studies

Lindenwood University has agreements with Washington University and St. Louis University that make their Army and Air Force ROTC basic courses available to qualified Lindenwood students. These programs enable students to earn appointments as commissioned officers in the United States Army or the United States Air force respectively. Students interested in pursuing these opportunities should consult with the appropriate Army or Air Force ROTC advisor. Any academic major may apply.

For Army ROTC the contact number is: (314) 935-5537.

For Air Force ROTC the contact number is: (314) 977-8227.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

25 credit hours

Requirements**Coursework**

21 credit hours of coursework from the following options:

MS 10100	Introduction to Leadership I	2
MS 10200	Introduction to Leadership II	2
MS 20100	Innovative Team Leadership	3
MS 20200	Foundations of Tactical Leadership	3
MS 30100	Adaptive Team Leadership	3

MS 30200	Applied Team Leadership	3
MS 40100	Leadership Challenges and Goal-Setting	3
MS 40200	Transition to Lieutenant	3
MS 45000	Modern American Military History	3

Note: Students must complete these courses in numerical order. Students must be contracted to go into MS 30000- and 40000-level courses. Students must also have completed U.S. basic training or complete the lower level MS courses in order to be contracted.

SIMULTANEOUS MEMBERSHIP PROGRAM/RESERVE OFFICER TRAINING CORPS (SMP/ROTC):

This program enables members of the Missouri Army National Guard to participate in ROTC to earn their commission as officers in the U.S. Army, obtain a bachelor's degree in a field of their choice, and have a guaranteed obligation with the Missouri Army National Guard. Special financial incentives and entitlements are available for these students. See Financial Aid (p. 30).

U.S. AIR FORCE ROTC (AES) AEROSPACE STUDIES

20 credit hours

Requirements

Coursework

20 credit hours of coursework from the following options:

AES 10100	Heritage and Values of the U.S. Air Force I	2
AES 10200	Heritage and Values of the U.S. Air Force II	2
AES 11000	Leadership Laboratory I	0
AES 11200	Leadership Laboratory II	0
AES 20100	Team and Leadership Fundamentals I	2
AES 20200	Air Force Team and Leadership Fundamentals II	2
AES 30100	Leading People and Effective Communication I	3
AES 30200	Air Force Leadership and Effective Communication II	3
AES 40100	National Security, Leadership Responsibilities and Commissioning Preparation I	3
AES 40200	Air Force Preparation for Active Duty II	3

AEROSPACE STUDIES MINOR

20 credit hours

Requirements

Minor Coursework

17 credit hours from the following options:

AES 10100	Heritage and Values of the U.S. Air Force I	2
AES 10200	Heritage and Values of the U.S. Air Force II	2
AES 20100	Team and Leadership Fundamentals I	2
AES 20200	Air Force Team and Leadership Fundamentals II	2
HIST 11700	US History: American Military History through World War II	3
HIST 11701	US History: American Military History since 1941	3
REC 11300	Wilderness Survival	2
REC 12500	Land Navigation	1

Elective Coursework

3 credit hours from the following options:

PS 38200	American Foreign Policy	3
PS 38600	Origins of War: How the World Stumbles into War	3
PS 38900	Geopolitics, Grand Strategy, and War	3

MILITARY SCIENCE MINOR

21 credit hours

Requirements

Minor Coursework

12 credit hours of coursework from the following options:

MS 30100	Adaptive Team Leadership	3
MS 30200	Applied Team Leadership	3
MS 40100	Leadership Challenges and Goal-Setting	3
MS 40200	Transition to Lieutenant	3
Elective Coursework		
9 credit hours of coursework from the following options:		
HIST 11700	US History: American Military History through World War II	3
HIST 11701	US History: American Military History since 1941	3
MS 10100	Introduction to Leadership I	2
MS 10200	Introduction to Leadership II	2
MS 20100	Innovative Team Leadership	3
MS 20200	Foundations of Tactical Leadership	3
REC 11300	Wilderness Survival	2
REC 12500	Land Navigation	1

COLLEGE OF EDUCATION AND HUMAN SERVICES

Daniel Kirk, PhD, Dean

Mission

The Mission of the College of Education and Human Services at Lindenwood University is to prepare educators, counselors, social workers, and leaders to meet the standards set forth by the national accrediting organizations, state licensing agencies, and/or other learned societies.

Our program completers are

- Educated in the theory and research-based practices of their content field from a global perspective.
- Able to demonstrate best practices in pedagogy and adult learning/andragogy.
- Caring professionals who are disciplined and others-centered. They are skilled in communication and collaboration with diverse learners, colleagues, community, and other stakeholders.
- Lifelong learners who pursue ongoing professional development to respond to the changing needs of their educational context.

The Lindenwood University College of Education and Human Services is committed to an open, diverse, and inclusive learning environment that nurtures the growth and development of all regardless of race, socioeconomic status, gender, language, religion, or sexual identification. The College of Education and Human Services believes learning is enriched by diversity of values, interests, experiences, and intellectual and cultural viewpoints and strives to promote and support a diverse and inclusive learning community of mutual respect, which encompasses the engagement of all involved—students, faculty, and the community.

Curriculum & Instruction – Teacher Education Department

The Lindenwood University Educator Preparation Program (EPP) is accredited by the Missouri Department of Elementary and Secondary Education (DESE www.dese.mo.gov/). The initial teacher education program is accredited by the Teacher Education Accreditation Council (TEAC) through the Council for the Accreditation of Educator Preparation (CAEP www.caepnet.org).

Students who enroll in the College of Education and Human Services may select one of two pathways to completion of the program:

- Successful completion of the Lindenwood University teacher education program and successful completion of the required state tests, qualifies the student for

recommendation for teaching certification, issued by the Missouri Department of Elementary and Secondary Education (MoDESE).

- Those students who desire to work in an educational field but do not desire teaching certification may pursue a degree in Educational Studies.

Admission

The teacher education program is divided into three stages and is the result of action by the Curriculum and Instruction Program Council (CIPC). The council, broadly representative of all colleges at the university, considers the student's application to the teacher education program to be in Stage One after the student has completed the steps outlined below. A student who seeks entrance into the teacher education program does so after successful completion of 9 hours of education coursework. A student who seeks entrance into the teacher education program does so after successful completion of 9 hours of education coursework; students will apply for the teacher education program while enrolled in EDU 21501. The student will not be allowed to enroll in most upper level or methods coursework until the student has been formally admitted at Stage One to the teacher education program. All application materials for admission to the teacher education program and admission to student teaching must be completed and submitted in Foliotek, the online portfolio system used by all programs in the College of Education and Human Services.

Stage One - Admission to Teacher Education

1. The student has been accepted to Lindenwood University.
2. The student has completed at least 9 hours of coursework from the College of Education and Human Services.
3. The student has achieved content area coursework GPA of 3.0, and a professional education coursework GPA of 3.0, with a minimum grade of C in all professional education courses.
4. The student has demonstrated evidence of competency in communications by passing ENGL 15000, ENGL 17000, and general education oral communications classes with a grade of C or better. Preferred general education oral communications course options are listed within program of study requirements.
5. The student submits a completed Program Plan with advisor signature to Foliotek.
- 6.

The student must have qualifying scores on only one of the following assessments:

- a. The student has attained a qualifying cut score of 220 on subtests #066, #067, and #068 of the Missouri General Education Assessment (MoGEA)
- b. The student has attained a qualifying ACT composite score of 20
- c. The student has attained a qualifying SAT composite score of 1050
- d. The student has attained qualifying Elementary MOCA scores on both tests (#073 and #074) of 220,
- e. The student has attained a qualifying Paraprofessional exam score of 220

If the student does not have a qualifying composite score on the ACT or SAT, but has qualifying scores on individual subject sections of the ACT or SAT, students can mix and match as needed to achieve qualifying scores. Individual subject section scores of the ACT are 20 Math, 20 Reading, 20 English section. Individual subject section scores for the SAT are 520 Math, 520 Reading, 520 Writing & Language.

These qualifying cut scores are currently determined by individual educator preparation programs but are subject to future changes statewide by the MoDESE.

Students who are denied on these metrics can appeal the process to request a holistic review.

7. All materials must be uploaded to Foliotek and accepted before the student can be recommended to the Curriculum and Instruction Program Council (CIPC) for formal admittance into the Teacher Education Program.

Stage Two - Admission to Student Teaching

Acceptance into Stage Two is required for admittance into student teaching. All applications for admission to the teacher education program and admission to student teaching must be completed and submitted in Foliotek. The following are the requirements for admission to Stage Two.

1. Candidate information sheet
2. Résumé application
3. Philosophy of education
4. Program Plan from advisor
5. TB test results
- 6.

The student must have qualifying scores on only one of the following assessments:

- a. The student has attained a qualifying cut score of 220 on subtests #066, #067, and #068 of the Missouri General Education Assessment (MoGEA)
- b. The student has attained a qualifying ACT composite score of 20

- c. The student has attained a qualifying SAT composite score of 1050
- d. The student has attained qualifying Elementary MOCA scores on both tests (#073 and #074) of 220,
- e. The student has attained a qualifying Paraprofessional exam score of 220
- 7.

If the student does not have a qualifying composite score on the ACT or SAT, but has qualifying scores on individual subject sections of the ACT or SAT, students can mix and match as needed to achieve qualifying scores. Individual subject section scores of the ACT are 20 Math, 20 Reading, 20 English section. Individual subject section scores for the SAT are 520 Math, 520 Reading, 520 Writing & Language.

These qualifying cut scores are currently determined by individual educator preparation programs but are subject to future changes statewide by the MoDESE

Students who are denied on these metrics can appeal the process to request a holistic review.

8. The teacher candidate has obtained a passing score on the Missouri Content Assessment (MoCA). The Missouri Content Assessment (MoCA) are tests required for all student teacher candidates.
 - a. The Missouri Content Assessment (MoCA) are tests required for all student teacher candidates. The test should be taken after most of the content courses for the desired program have been successfully completed and prior to student teaching. Candidates must also pass the appropriate Missouri Content Assessment in order to be recommended for certification. A passing score on the MoCA exam demonstrates that the teacher candidate has mastered the subject area that the student will teach.
 - b. The correct MoCA exam is posted on the Missouri Educator Gateway Assessment (MEGA) website (www.mo.nesinc.com). If a student is unsure of which test to take after reviewing the website, the student may contact the Advising, Retention and Certification Center at (636) 949-4377 for more assistance.
9. The teacher candidate has completed all required coursework. The teacher candidate is expected to have a minimum content GPA of 3.0. If the teacher candidate has a content GPA between a 2.75-2.99 and has passed the Missouri Content Assessment in the appropriate certification area at one standard error of measurement above 220, the teacher candidate can still meet the content GPA requirement for admission to student teaching.
10. Three letters of recommendation

11. Family Care Safety Registry clear background check
12. Travel waiver
13. Confidentiality agreement
14. Substitute certificate
15. Professional liability insurance through the student's membership in MNEA or MSTA.

Student Teaching applications must be completed and submitted by:

October 15 for Spring Semester

April 15 for Fall Semester

Stage Three - Completion of Teacher Education Program

1. The teacher candidate must earn a minimum professional education coursework GPA of 3.0.
2. The teacher candidate is expected to have a minimum content GPA of 3.0.
3. The teacher candidate must successfully complete the student teaching course, EDU 41000, including all seminar sessions and portfolio requirements as identified by Lindenwood University in support of the Missouri Educator Evaluation System (MEES) Evaluation Assessment. The portfolio must be completed before a grade will be issued for student teaching.
4. Candidates are also required to complete the Missouri Educator Evaluation System (MEES) with a satisfactory score to be recommended for certification.

Certification

Each state issues its own teaching certificates based on its own requirements. Upon passing the state-mandated exit assessment and successfully completing the planned degree program, each Lindenwood University College of Education and Human Services student applies for certification to teach in Missouri. The student who wishes to pursue certification in other states should seek advice from the department of education within the state the student is seeking certification. A list of contacts is located on the College of Education and Human Services web-page. The Lindenwood certification officer at arcc@lindenwood.edu can assist students who are pursuing certification in other states.

International students or students who have completed high school outside of the U.S. are also required to complete coursework in the following areas:

- English composition, two courses, each a minimum of three credit hours
- U.S. history, three credit hours
- U.S. (National) government, three credit hours

Students who wish to earn a teaching certificate at the secondary level must earn a bachelor of arts or a bachelor of science in the content (subject) area in which they wish to teach and, additionally, complete the requirements for either of the following minors:

- Minor in education (Grades K-12)
- Minor in secondary education (Grades 9-12)

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

**EARLY CHILDHOOD EDUCATION, BA
(BIRTH – GRADE 3)**

102 credit hours

Requirements

Major Coursework

73 credit hours of coursework from the following options:

EDS 30200	Behavior Management	3
EDS 31610	Speech and Language Development, Acquisition, and Intervention	3
EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 24600	Children's Literature	3
EDU 30500	Elementary Reading Methods	3
EDU 30600	Elementary School Language Arts Methods	3
EDU 30910	Instructional Strategies, Techniques and Analysis of Literacy with Practicum	3
EDU 31310	Instructional Design in Math, Science and Social Studies	3
EDU 31400	Utilizing Family and Community Resources	3
EDU 31700	Introduction to Early Childhood/Early Childhood Special Education	3
EDU 32200	Elementary Classroom Teaching and Technology	3
EDU 32500	Perceptual Motor Development	3

EDU 32700	Early Childhood Cognitive Curriculum Concepts	3	ARTH 22300	Global Art History I: Rise of Cities and Empires	3
EDU 32900	Creative Curriculum Materials for Early Childhood/Early Childhood Special Education Programs	3	ARTH 22500	Global Art History II: Canvases and Courts of Power	3
EDU 34100	Education of the Exceptional Child	3	DAN 37100	Dance in the 21st Century	3
EDU 34410	Elementary School Differentiation and Classroom Management with Field Experiences	3	MUS 15000	Music in America	3
EDU 34510	Pre K-8 Health, Physical Education, and the Arts	3	MUS 35500	History of Western Music I	3
EDU 35100	Early Childhood Screening, Diagnosing and Prescribing Instruction	3	TA 11700	Introduction to the Theatrical Arts	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3	TA 37000	History of Theatre	3
EDU 41000	Student Teaching	12			
General Education Coursework I			Social Science Coursework		
7 credit hours of coursework from the following options which will also fulfill GE requirements:			3 credit hours of coursework from the following options:		
BSC 10000	Concepts in Biology	4	ECON 23010	Survey of Economics	3
MTH 14900	Mathematical Structures for Teachers II	3	ECON 23020	Principles of Microeconomics	3
General Education Coursework II			ECON 23030	Principles of Macroeconomics	3
3-4 credit hours of coursework from the following options which will also fulfill GE requirements:			US Government Coursework		
MTH 14800	Mathematical Structures for Teachers I	4	3 credit hours of coursework from the following options:		
MTH 15100	College Algebra	3	HIST 15500	US Government: Politics and History	3
Geography Coursework			PS 15500	American Government: The Nation	3
3 credit hours of coursework from the following options:			EARLY CHILDHOOD SPECIAL EDUCATION CERTIFICATE		
GEO 10100	World Regional Geography	3	<hr/>		
Natural Science with Lab Coursework			<i>19 credit hours</i>		
4 credit hours of coursework from the following options:			Requirements		
CHM 10000	Concepts in Chemistry	4	<hr/>		
ESC 10000	Physical Geology with Lab	4	Certificate Coursework		
PHY 11100 and PHY 11200	Concepts of Physics (3) and Concepts of Physics Laboratory (1)	4	19 credit hours of coursework from the following options:		
Oral Communications Coursework			EDS 30200	Behavior Management	3
3 credit hours of coursework from the following option:			EDS 33000	Introduction and Methods of Teaching Children with Disabilities in Cross-Categorical Settings	4
SW 20000	Intercultural Communication	3	EDU 31700	Introduction to Early Childhood/Early Childhood Special Education	3
Performing Arts Coursework			EDU 32700	Early Childhood Cognitive Curriculum Concepts	3
3 credit hours of coursework from the following options:			EDU 32900	Creative Curriculum Materials for Early Childhood/Early Childhood Special Education Programs	3
ARTH 11000	Concepts in the Visual Arts	3	EDU 35100	Early Childhood Screening, Diagnosing and Prescribing Instruction	3
			ELEMENTARY EDUCATION, BA (GRADES 1-6)		
			<hr/>		
			<i>84 credit hours</i>		

Requirements

Major Coursework

55 credit hours of coursework from the following options:

EDS 31610	Speech and Language Development, Acquisition, and Intervention	3
EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 24600	Children's Literature	3
EDU 30500	Elementary Reading Methods	3
EDU 30600	Elementary School Language Arts Methods	3
EDU 30910	Instructional Strategies, Techniques and Analysis of Literacy with Practicum	3
EDU 31310	Instructional Design in Math, Science and Social Studies	3
EDU 32200	Elementary Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34410	Elementary School Differentiation and Classroom Management with Field Experiences	3
EDU 34510	Pre K-8 Health, Physical Education, and the Arts	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12
ESOL 44000	TESOL Methods	3

General Education Coursework I

7 credit hours of coursework from the following options which will also fulfill GE requirements:

BSC 10000	Concepts in Biology	4
MTH 14900	Mathematical Structures for Teachers II	3

General Education Coursework II

3-4 credit hours of coursework from the following options which will also fulfill GE requirements:

MTH 14800	Mathematical Structures for Teachers I	4
MTH 15100	College Algebra	3

Geography Coursework

3 credit hours of coursework from the following option:

GEO 10100	World Regional Geography	3
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Natural Science with Lab Coursework

4 credit hours of coursework from the following options:

CHM 10000	Concepts in Chemistry	4
ESC 10000	Physical Geology with Lab	4
PHY 11100	Concepts of Physics (3) and and PHY 11200	4
	Concepts of Physics Laboratory (1)	

Oral Communications Coursework

3 credit hours of coursework from the following option:

SW 20000	Intercultural Communication	3
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Performing Arts Coursework

3 credit hours of coursework from the following options:

ARTH 11000	Concepts in the Visual Arts	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
DAN 37100	Dance in the 21st Century	3
MUS 15000	Music in America	3
MUS 35500	History of Western Music I	3
TA 11700	Introduction to the Theatrical Arts	3
TA 37000	History of Theatre	3

Social Science Coursework

3 credit hours of coursework from the following options:

ECON 23010	Survey of Economics	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

US Government Coursework

3 credit hours of coursework from the following options:

HIST 15500	US Government: Politics and History	3
PS 15500	American Government: The Nation	3

MIDDLE SCHOOL EDUCATION, BA BUSINESS EMPHASIS (GRADES 5-9)

77 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1

EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 38800	Middle School Psychology	3
EDU 38910	Middle School Philosophy, Curriculum, and Instruction	4
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12
Oral Communications Coursework		
3 credit hours of coursework from the following option:		
SW 20000	Intercultural Communication	3
Business Education Coursework		
3 credit hours of coursework from the following option:		
EDU 37300	Implementing Vocational Business Education Programs	3
Business Emphasis Coursework		
21 credit hours of coursework from the following options:		
ACCT 21010	Principles of Financial Accounting	3
COM 30300	Written Communication for Business	3
CSC 10011	Introduction to Computer Science: Python	3
ENTR 37510	Small Business and Entrepreneurship	3
FIN 32000	Principles of Finance	3
MGMT 14000	Microcomputer Applications	3
MGMT 24000	Introduction to Information Systems	3
MGMT 26032	Principles of Management	3
MRKT 35010	Principles of Marketing	3
MTH 14100	Basic Statistics	3
Social Science Coursework		
3 credit hours of coursework from the following options:		
ECON 23010	Survey of Economics	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3

**MIDDLE SCHOOL EDUCATION, BA
ENGLISH/LANGUAGE ARTS EMPHASIS
(GRADES 5-9)**

77 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 38800	Middle School Psychology	3
EDU 38910	Middle School Philosophy, Curriculum, and Instruction	4
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following option:

SW 20000	Intercultural Communication	3
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English/Language Arts Emphasis Coursework

3 credit hours of coursework from the following options:

ENGL 20100	Premodern World Literature	3
ENGL 20101	Modern World Literature	3
ENGL 20500	British Literature: Fact, Fiction, and Everything In-Between	3
ENGL 23500	American Literature: Slavery and War	3
ENGL 24100	Celtic Literature	3
ENGL 24200	Viking Literature	3
ENGL 25300	The Arthurian Legend	3
ENGL 25400	Mythology and Folklore	3

ENGL 25900	Existentialism: Absurdity, Angst, and the Meaning of Life	3
ENGL 26000	Gothic Literature: Monsters & Madness	3

Elective Coursework I

6 credit hours of coursework from the following options:

ENGL 30700	The Teaching of Writing	3
ENGL 37200	Grammar and Writing	3

Elective Coursework II

3 credit hours of coursework from the following options:

EDU 24700	Adolescent Literature	3
ENGL 37100	Reading and Writing of the Young Adult Novel	3

Elective Coursework III

15 credit hours of coursework from the following options:

ENGL 20000-20099	Introduction to Literature	3
ENGL 22200	Writing about Reality	3
ENGL 25600	Greek Myth, Epic, and Tragedy	3
ENGL 30100	Methods of Literary Study	3
ENGL 33200	Chaucer	3
ENGL 33300	Shakespeare	3
ENGL 33800	Medieval Literature	3
ENGL 33900	Early Modern Literature	3
ENGL 34101	London in the Eighteenth Century	3
ENGL 34200	Politics, Passion, Poetry and Problems: The Romantic Movement	3
ENGL 34300	Victorians: Vile or Virtuous?	3
ENGL 35300	Twentieth-Century American Literature	3
ENGL 37600	African American Literature	3
ENGL 40400	History of the English Language	3

Note: No duplication of coursework is allowed.

MIDDLE SCHOOL EDUCATION, BA MATHEMATICS EMPHASIS (GRADES 5-9)

74 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1

EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 38800	Middle School Psychology	3
EDU 38910	Middle School Philosophy, Curriculum, and Instruction	4
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following option:

SW 20000	Intercultural Communication	3
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Mathematics Emphasis Coursework

24 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MGMT 26014	Excel for Professionals	3
MTH 14100	Basic Statistics	3
MTH 14800	Mathematical Structures for Teachers I	4
MTH 15100	College Algebra	3
MTH 15200	Pre-calculus: Elementary Functions	3
MTH 17300	Survey of Calculus	4
MTH 23000	Geometry with Geometric Software	1
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 31100	Differential Equations	3
MTH 31300	History of Mathematics	3
MTH 31500	Linear Algebra I	3
MTH 31600	Linear Algebra II	3
MTH 32000	Abstract Algebra	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3

MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
MTH 35100	Numerical Methods	3
MTH 36100	Partial Differential Equations	3

**MIDDLE SCHOOL EDUCATION, BA
SCIENCE EMPHASIS (GRADES 5-9)**

77 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 38800	Middle School Psychology	3
EDU 38910	Middle School Philosophy, Curriculum, and Instruction	4
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following option:

SW 20000	Intercultural Communication	3
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Science Emphasis Coursework

24 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
BSC 10700	Human Biology	3
BSC 24200	Introduction to Biodiversity	3

BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24800	Introduction to Ecology and Evolution	4
BSC 32000	Plant Biology	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
CHM 10000	Concepts in Chemistry	4
CHM 23000	General Chemistry 1	3
ESC 10000	Physical Geology with Lab	4
ESC 10500	Survey of Geology	3
ESC 11000	Introductory Meteorology	3
ESC 13000	Introductory Astronomy	3
ESC 13100	Astronomy Lab	1
ESC 13200	Introductory Astronomy with Lab	4
GEO 11500	Physical Geography	4
PHY 11100	Concepts of Physics	3
PHY 11200	Concepts of Physics Laboratory	1
PHY 25100	Introductory Physics I	4
SCI 21200	History of Science	3

**MIDDLE SCHOOL EDUCATION, BA
SOCIAL SCIENCE EMPHASIS (GRADES 5-9)**

59 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 38800	Middle School Psychology	3

EDU 38910	Middle School Philosophy, Curriculum, and Instruction	4
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following option:

SW 20000	Intercultural Communication	3
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Social Science Emphasis Coursework

9 credit hours of coursework from the following options:

ECON 23010	Survey of Economics	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
GEO 10100	World Regional Geography	3
HIST 11300	US History: The American Century	3
HIST 11500	US History: America through Gender	3
HIST 11600	US History: America through the History of Race	3
HIST 15500	US Government: Politics and History	3
HIST 26100	History of the Contemporary World	3
HIST 26300	History of Latin America	3
HIST 26400	History of Asia	3
PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PSY 10000	Principles of Psychology	3
SOC 10200	Basic Concepts of Sociology	3

Note: No duplication of coursework is allowed.

BIOLOGICAL SCIENCES, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

*110 credit hours***Requirements****Secondary Education (Grades 9-12) Minor Coursework**

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3

EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

3 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
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Science Foundation Coursework

3 credit hours of coursework from the following options:

PHRL 34400	Philosophy of Science	3
SCI 21200	History of Science	3

BIOLOGICAL SCIENCES, BA

*64 credit hours***Requirements****Major Coursework**

54 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
BSC 28500	Methods and Writing for Biology	1
BSC 32000	Plant Biology	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 46500	General Ecology	4
BSC 48800	Genetics of Evolution	2

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
MTH 15100	College Algebra	3
MTH 15200	Pre-calculus: Elementary Functions	3
MTH 24100	Statistics for Natural Science	3

Additional BSC Coursework

4 credit hours of coursework from the following options:

BSC 34100	Vertebrate Zoology	4
BSC 36400	Entomology	4

Biological Sciences Elective Coursework

6 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
BSC 23000	Microbiology for Health Sciences	4
ESC 26300/BSC 26300	Environmental Policy	3
BSC 28000	Introduction to Clinical Laboratory Science	3
BSC 30200	Biometry I: Introduction to R	2
BSC 35300	Microbiology	4
BSC 35800	Parasitology	3
BSC 36200	Advanced Environmental Biology	4
BSC 36400	Entomology	4
BSC 36600	Field Biology	3
BSC 36800	Biology in Society	2
BSC 37400	Embryogenesis	3
BSC 41300	Immunology	3
BSC 42200/CHM 42200	Biochemistry: Metabolism	4
BSC 48000	Independent Research	1-6
BSC 48400	Biological Sciences Internship	1-3

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department. Additional credits will be required to meet the university 42 credit minimum of 30000 or higher level courses and may be fulfilled with Biological Sciences or other department electives.

BUSINESS ADMINISTRATION, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

124-126 credit hours

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10200	Public Debate	3
COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

9 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 36500	Coordination of Cooperative Education	3
EDU 37300	Implementing Vocational Business Education Programs	3

BUSINESS ADMINISTRATION, BA

75-77 credit hours in major

Requirements

PCB&E GE and PCB&E Core Coursework

51-53 credit hours of coursework from the following requirements:

General Education Business Requirements (p. 114)

Core Business Requirements (p. 115)

Major Coursework

3 credit hours of coursework from the following option:

MGMT 36043	Principles of Operations Management	3
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Elective Coursework

21 credit hours of coursework from the following options:

Courses are selected from any business course at or above the 30000-level, including no more than one special topics and/or internship course. Students pursuing an emphasis area will complete 12 credit hours of elective coursework from within one business discipline.

CHEMISTRY, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

94-95 credit hours

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

3 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
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CHEMISTRY, BA

52-53 credit hours

Requirements

Major Coursework

38 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 48500	Chemistry Seminar	1
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Additional CHM Coursework

3-4 credit hours of coursework from the following options:

CHM 45500	Instrumental Analysis	4
CHM 47100	Physical Chemistry I	3

Elective Coursework

3 credit hours of coursework from the following options:

CHM 31100	Applications in Forensic Science	3
CHM 38500	Medicinal Chemistry	3
CHM 42100	Biochemistry: Structure and Mechanism	4
CHM 42200/BSC 42200	Biochemistry: Metabolism	4
CHM 44000	Inorganic Chemistry	4
CHM 47200	Physical Chemistry II	3
CHM 47300	Physical Chemistry Lab	2
CHM 48000	Chemistry Internship	1-6
CHM 48900	Independent Research	1-6

Physics Coursework

8 credit hours of coursework from the following:

Option 1

PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II or	4
Option 2		
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

CHEMISTRY, BS 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

124 credit hours

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

3 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
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CHEMISTRY, BS (ACS ACCREDITED)

81 credit hours

Requirements

Major Coursework

BSC 24400	Introduction to Cellular and Molecular Biology	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 33300	Polymer Chemistry	3
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 42100	Biochemistry: Structure and Mechanism	4
CHM 44000	Inorganic Chemistry	4
CHM 45500	Instrumental Analysis	4
CHM 47100	Physical Chemistry I	3
CHM 47200	Physical Chemistry II	3
CHM 47300	Physical Chemistry Lab	2
CHM 48500	Chemistry Seminar	1
CHM 48900	Independent Research	1-6
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 30300	Calculus III	5
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Note: Students must complete a minimum of three credit hours of CHM 48900 Independent Research for this degree.

ENGLISH, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

82 credit hours

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3

EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

6 credit hours of coursework from the following options:

EDU 24700	Adolescent Literature	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3

ENGLISH, BA

36 credit hours

The Bachelor of Arts in English prepares you to use language both persuasively and creatively and to read, think, and write critically in any setting. Graduates pursue a variety of professional objectives and career paths, including graduate school in literature and creative writing, law school, teaching at the secondary level, journalism, technical and business writing, copywriting, editing, and proofreading.

A major in English requires 36 credit hours of coursework through the English program plus the foreign language requirement listed below.

The major is structured to provide you with a broad expertise in British and American literature while also allowing you the opportunity to study literatures of other regions and of traditionally underrepresented cultures and populations, and to conduct in-depth explorations of topics of your choosing.

Requirements

Major Coursework

6 credit hours of coursework from the following options:

ENGL 30100	Methods of Literary Study	3
ENGL 45400	Senior Capstone in English	3

English majors should take ENGL 30100 as soon as possible after completing ENGL 17000.

British Literature Coursework

6 credit hours of coursework from the following options:

ENGL 33200	Chaucer	3
ENGL 33300	Shakespeare	3
ENGL 33800	Medieval Literature	3
ENGL 33900	Early Modern Literature	3
ENGL 34101	London in the Eighteenth Century	3
ENGL 34200	Politics, Passion, Poetry and Problems: The Romantic Movement	3
ENGL 34300	Victorians: Vile or Virtuous?	3
ENGL 35700-35799	Topics in British Literature	3

American Literature Coursework

6 credit hours of coursework from the following options:

ENGL 34400/SPA 34400	LatinX Literature	3
ENGL 34700-34799	Topics in American Literature	3
ENGL 35200	Early American Literature	3
ENGL 35300	Twentieth-Century American Literature	3
ENGL 35400	Finding Home: Space, Place, and Identity in American Literature	3
ENGL 37600	African American Literature	3

Additional Literature Coursework

6 credit hours of coursework from the following options and/or from the options in British literature or American Literature above:

Note that students pursuing 9-12 English teaching certification must complete ENGL 37100; additionally, students pursuing 9-12 English teaching certification may not satisfy this coursework distribution with "Topics" courses.

ENGL 30900	The Novel	3
ENGL 36200	Translation and Literature	3
ENGL 37100	Reading and Writing of the Young Adult Novel	3
ENGL 38000-38099	Topics in Literature	3

Language, Linguistics, and Communication Coursework

6 credit hours of coursework from the following options:

Note that students pursuing 9-12 English teaching certification must complete ENGL 30700 and another

approved writing course (consult with your ENGL and EDU advisors to select).

CAH 36500	Digital Research	3
CINE 35000	Screenwriting	3
COM 24200	Basic Reporting	3
COM 38200	Feature Writing	3
DCS 35000	Personal Branding	3
ENGL 20900	Writing for Game Design	3
ENGL 21100	Introduction to Creative Writing	3
ENGL 22200	Writing about Reality	3
ENGL 23000	Business Communications	3
ENGL 25000/SPA 25000	Multiculturalism and Multilingualism	3
ENGL 30700	The Teaching of Writing	3
ENGL 31200	Technical Writing	3
ENGL 31500	Arrow Rock Literary Journal	3
ENGL 37200	Grammar and Writing	3
ENGL 38200-38299	Topics in English	3
ENGL 40400	History of the English Language	3
MGMT 36015	International Business and Cross-Cultural Communications	3
MRKT 35040	Advertising and Promotional Strategy	3

Elective Coursework

6 credit hours of coursework from any of the above listed ENGL courses, or any other 30000- or 40000-level ENGL course.

Note that students pursuing 9-12 English teaching certification must satisfy this elective coursework by completing ENGL 37200 and ENGL 40400.

No duplication of coursework is permitted within the program. At least two of the courses taken for the degree must be marked as GE-Human Diversity courses.

ENG courses may satisfy program requirements at the discretion of the advisor.

English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University’s Elementary II level. Students who transfer in at least six college credit hours in such a language or who have a sufficient AP exam score in such a language are considered to have demonstrated proficiency. Students who have studied a language offered by Lindenwood University but who do not have sufficient college course credit in the language may consult with the program about having their proficiency tested by the faculty in our non-English language programs to determine which courses, if any, they must take to fulfill the requirement. Students who have studied a language not offered by Lindenwood University and who do not have sufficient college course credit in the language may consult with the program about taking an online proficiency test to determine whether they

will need to undertake further language study at Lindenwood.

No other duplication of coursework is allowed.

Note: At least two of the courses taken for the degree must be marked as GE-Human Diversity courses.

ENG courses may satisfy program requirements at the discretion of the advisor.

English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University’s Elementary II level. Students who transfer in at least six college credit hours in such a language or who have a sufficient AP exam score in such a language are considered to have demonstrated proficiency. Students who have studied a language offered by Lindenwood University but who do not have sufficient college course credit in the language may consult with the program about having their proficiency tested by the faculty in our non-English language programs to determine which courses, if any, they must take to fulfill the requirement. Students who have studied a language not offered by Lindenwood University and who do not have sufficient college course credit in the language may consult with the program about taking an online proficiency test to determine whether they will need to undertake further language study at Lindenwood. (Note: Not all languages are available for testing.)

English majors should take ENGL 30100 as soon as possible after completing ENGL 17000.

HISTORY, BA 9-12 SOCIAL SCIENCE CERTIFICATION PREPARATION

103 credit hours

In addition to the education courses required for a minor in secondary education (Grades 9-12) students seeking secondary certification in Social Science must complete a Bachelor of Arts in History and a minor in Social Science.

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3

EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

3 credit hours of coursework from the following option:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
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Requirements

Major Coursework

6 credit hours of coursework from the following options:

HIST 20100	Historical Methods	3
HIST 48100	Senior Seminar in History	3

Professional Preparation Coursework

3 credit hours of coursework from the following options:

HIST 30100	Applied History	3-6
HIST 40100	History Internship	3-6

Note: students majoring in HIST and completing the Minor in Secondary Education for Social Sciences certification may satisfy this requirement by completing EDU 41000 Student Teaching.

Non-Western Foundation Coursework

3 credit hours of coursework from the following options:

HIST 26000	Modern Middle East History	3
HIST 26300	History of Latin America	3
HIST 26400	History of Asia	3

Diversity and Global Citizenship Coursework

3 credit hours of coursework from the following options:

HIST 24200	History of Modern Europe	3
HIST 24400	The Nazi State	3
HIST 24500	History of the British Isles	3
HIST 26000	Modern Middle East History	3
HIST 26300	History of Latin America	3

HIST 26400	History of Asia	3
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Research Skills Seminar Coursework

3 credit hours of coursework from the following options:

HIST 32400	The Growth of Modern America, 1877-1914	3
HIST 32500	Social Movements in 20th Century America	3
HIST 36400	Migration in World History	3

U.S. Culture and Diversity Coursework

6 credit hours of coursework from the following options:

HIST 30200	Public History	3
HIST 32000/AST 32000	America: The Search for a More Perfect Union	3
HIST 32100	The Origins of the United States to 1800	3
HIST 32200	The Age of Jackson	3
HIST 32300	The Civil War and Its Legacies	3
HIST 32400	The Growth of Modern America, 1877-1914	3
HIST 32500	Social Movements in 20th Century America	3
HIST 32600	The United States in the Age of the Cold War	3
HIST 33100	History of Gender in America	3
HIST 33200	A Biography of the Constitution	3
HIST 33300	The American West 1830-1960	3
HIST 33400	History of Racism in America	3

Global Culture and Diversity Coursework

6 credit hours of coursework from the following options:

HIST 34200	The Civilization of Industrialism	3
HIST 34300	The Soviet Union and European Communism	3
HIST 36200	Slavery and Capitalism across the Atlantic	3
HIST 36300	Revolution in the Modern World	3
HIST 36500	Jews in the Modern World	3
HIST 36600	Islam from the Prophet to the Present	3

Elective Coursework

6 credit hours from any HIST course at or above the 30000-level.

Students pursuing grades 9-12 Social Science teaching certification must fill these elective credits by taking additional courses listed above under US Culture and Diversity Coursework.

1) Some relevant coursework from other disciplines (especially GEO and PS) may be accepted as substitute requirements with the permission of the program director.

2) Students interested in pursuing grades 9-12 Social Science teaching certification must also complete the Social Science minor as well as a minor in secondary education.

No duplication of coursework within the program is allowed.

Requirements

Social Studies Minor Coursework

15 credit hours of coursework from the following options:

ECON 23010	Survey of Economics	3
PS 15500	American Government: The Nation	3
PS 15600	American Government: The States	3
PSY 10000	Principles of Psychology	3
SOC 10200	Basic Concepts of Sociology	3

Geography Coursework

3 credit hours of coursework from the following option:

GEO 10100	World Regional Geography	3
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US Government Coursework

3 credit hours of coursework from the following options:

HIST 15500	US Government: Politics and History	3
PS 15500	American Government: The Nation	3

Elective Coursework

3 credit hours of coursework from the following options:

ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
ECON 33037	Current Economic and Social Policy	3
ECON 33060	History of Economic Thought	3
GEO 10300	Human Geography	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
PS 38400	International Relations Theory	3
PS 20000	Methods for Political Science	3
PS 31000	Congress, the Presidency, and the Party System	3
SOC 30400	The Sociology of Gender Roles	3
SOC 31800	Race, Ethnicity, and Gender	3
SOC 42000	Sociological Theory	3

Notes: (1) The total number of credit hours required for secondary education certification is dependent on the student's major content area, as degree requirements in content areas vary.

(2) Students in secondary education (9-12) and K-12 certification programs must officially declare a minor in either secondary

education (9-12) or education (K-12) in order to be recognized for the additional educational coursework completed.

(3) HIS or HIST special topics courses at or above the 30000-level may satisfy program distribution requirements at the discretion of the advisor.

HISTORY, BA

36 credit hours

Study what you love with the history major. Use the skills you learn to think critically, be an agile problem solver, and communicate complex ideas to a wide range of audiences. Earn a solid foundation in geography and American, European, and non-Western history. Focus on regions, time periods, or topics that are exciting to you. Our program opens doors to a variety of careers through personalized mentoring from award-winning faculty members, all of whom are ready to help prepare you to be a success. You'll learn the art of thinking historically and understanding the world around you with all its engaging ideas and subtle differences. You'll see the world and how you fit into it.

SOCIAL STUDIES MINOR

24 credit hours

This minor is recommended for students majoring in history who are seeking certification to teach social studies at the secondary level. See a history advisor about this minor.

MATHEMATICS, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

93 credit hours

Requirements

Secondary Education (Grades 9-12) Minor Coursework

37 credit hours of coursework from the following:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom	3

	Management with Field Experiences		
EDU 38700	Reading/Writing across Curriculum	3	
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3	
EDU 41000	Student Teaching	12	
Oral Communications Coursework			
3 credit hours of coursework from the following options:			
COM 10500	Group Dynamics and Effective Speaking	3	
COM 11000	Public Speaking	3	
SW 20000	Intercultural Communication	3	
Content Area Coursework			
3 credit hours of coursework from the following option:			
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3	

MATHEMATICS, BA

50 credit hours

Requirements

Major Coursework

38 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 32000	Abstract Algebra	3
PHY 30100	General Physics I	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Elective Coursework

9 credit hours of coursework from the following options:

MTH 31300	History of Mathematics	3
MTH 31600	Linear Algebra II	3
MTH 32400	Theory of Financial Mathematics I	3

MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3
MTH 33000	Geometry	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
MTH 35100	Numerical Methods	3
MTH 36100	Partial Differential Equations	3
MTH 37000	Advanced Calculus	3
MTH 38901	Undergraduate Research	3
MTH 39000-39999	Special Topics in Applied Mathematics	3
MTH 49000-49999	Special Topics in Mathematics	3

ART AND DESIGN, BA K-12 EDUCATION CERTIFICATION PREPARATION

91 credit hours

Requirements

Education (Grades K-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

3 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 33543	Elementary Methods of Teaching Art, Music, & PE	3

Art and Design, BA

48 credit hours

Major Coursework

27 credit hours of coursework from the following options:

AAD 10000	Introduction to Art and Design	3
AAD 10050	Web Design I	3
AAD 10600	Design Foundations	3
AAD 13000	Drawing I	3
AAD 13600	3D Design	3
AAD 20300	Adobe Certification in Photoshop	3
AAD 20400	Adobe Certification in Illustrator	3
AAD 35000	Portfolio Review	3

Major Coursework Continued

3 credit hours of coursework from the following options:

AAD 14000	Visual Storytelling	3
CINE 11000	Video Production	3

Art and Design Elective Coursework

12 credit hours of coursework from the following options:

Note that students pursuing K-12 Art teaching secondary education certification must complete AAD 20000, AAD 22100, AAD 23400, and AAD 24100.

AAD 10100	Emerging Technologies	3
AAD 11000	Programming Logic	3
AAD 11600	Drag and Drop Web Design	3
AAD 18101	Digital Photography I	3
AAD 20000	Painting I	3
AAD 21000	User Interface/User Experience	3
AAD 21500	Printmaking I	3
AAD 22100	Sculpture I	3
AAD 22600	Digital Art I	3
AAD 23400	Fibers I	3
AAD 24100	Ceramics I	3
AAD 25000	Typography I	3
AAD 30600	Imaging and Illustration	3
AAD 31500	Printmaking II	3
AAD 32200	Motion Graphics	3
AAD 32500	Adobe Certification in InDesign	3
AAD 32900	Concept Design	3
AAD 33000	Drawing II	3
AAD 33100	Figure Drawing I	3
AAD 33310	3D Printing	3

AAD 33400	Fibers II	3
AAD 33600	3D Graphics	3
AAD 33610	Digital Art II	3
AAD 33700	Digital Painting	3
AAD 34000	Ceramics II	3
AAD 35001	Digital Photography II	3
AAD 35500	Visual Branding	3
AAD 35600	Typography II	3
AAD 36000	Advanced 3D	3
AAD 36100	Web Design II	3
AAD 36200	Web Design III	3
ARTH 22300	Global Art History I: Rise of Cities and Empires	3
ARTH 22500	Global Art History II: Canvases and Courts of Power	3
ARTH 36500	History of Photography	3
ARTH 36900	History of Graphic Design	3
ARTH 37000	History of Games and Critical Theory	3
CAH 43000	Arts Entrepreneurship	3

Practical Application Coursework

Note: students pursuing K-12 Art teaching certification may satisfy this requirement by completing EDU 41000 Student Teaching.

3 credit hours of coursework from the following options:

AAD 44001	Art and Design Firm	3
CAH 44444	Internship	1-6

Capstone Coursework

Note: students pursuing K-12 Art teaching certification may satisfy this requirement by completing EDU 41000 Student Teaching.

3 credit hours of coursework from the following option:

AAD 41000	Art and Design Capstone	3
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester from matriculation to degree conferral.

AAD 10200	Art and Design Seminar	0
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No duplication of coursework is permitted within the program.

Note: students pursuing K-12 Art teaching certification may satisfy Practical Application & Capstone Coursework by completing EDU 41000 Student Teaching.

**MUSIC, BA K-12 EDUCATION
INSTRUMENTAL CERTIFICATION
PREPARATION**

107 credit hours

Requirements

For students seeking K-12 certification in instrumental music, the Bachelor of Arts in Music can be combined with a minor in education. This program requires a minimum GPA of 3.0 for the following courses:

Education (Grades K-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Notes: (1) The total number of credit hours required for K-12 certification is dependent on the student's major content area.

(2) Students in secondary education (9-12) and K-12 certification programs must officially declare a minor in either secondary education (9-12) or education (K-12) in order to be recognized for the additional educational coursework completed.

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

9 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 33543	Elementary Methods of Teaching Art, Music, & PE	3
MUS 36500	Band and Orchestra Techniques	3

Foundation Coursework

39 credit hours of coursework from the following options:

MUS 10101	First Year Seminar in Music	1
MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 21400	Piano Proficiency I	1
MUS 21500	Piano Proficiency II	1
MUS 21600	Piano Proficiency III	1
MUS 22100	Woodwind Techniques	1
MUS 22200	Brass Techniques	1
MUS 22300	Percussion Techniques	1
MUS 22400	String Techniques	1
MUS 22600	Guitar Techniques	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 25000	Introduction to Music Technology	3
MUS 32500	Keyboard Techniques	1
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3
MUS 35700	World Music	3
MUS 36000	Instrumental Composition and Arranging	3
MUS 38300	Introduction to Conducting	3
MUS 38400	Advanced Conducting-Instrumental	3

Note: MUS 35500, MUS 35600, and MUS 35700 may be used to satisfy the GE-Human Culture: Arts/Human Diversity requirement.

Private Lessons Coursework I

3 credit hours of coursework from the following options:

MUS 104XX	Private Lessons	1-2
MUS 204XX	Private Lessons	1-2

Private Lessons Coursework II

3 credit hours of coursework from the following options:

MUS 304XX	Private Lessons	1-2
MUS 404XX	Private Lessons	1-2

Ensemble Coursework

6 credit hours of large instrumental ensemble coursework from the following options:

MUS 209XX	Large Ensemble - Instrumental	0-1
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Capstone Coursework

1 credit hour of coursework from the following option:

MUS 48800	Senior Recital	1
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester (except during student teaching) from matriculation to degree conferral.

MUS 10200 Concert/Recital Attendance 0

Vocal/Choral Endorsement Coursework

6 credit hours (minimum) of coursework from the following options:

2 credit hours of coursework in MUS 210XX

4 credit hours of coursework in MUS 12400, MUS 12500, and/or private voice lessons; MUS 37000; MUS 37500; MUS 37900; and MUS 38500.

Additional Requirements

- A three-credit hour U.S. Government course.
- A minimum cumulative GPA of 2.75.
- Passing scores on periodic assessments of program-level student learning outcomes, including the Piano Proficiency Exam.

**MUSIC, BA K-12 EDUCATION
VOCAL/CHORAL CERTIFICATION
PREPARATION**

103 credit hours

Requirements

For students seeking K-12 certification in vocal/choral music, the Bachelor of Arts in music can be combined with a minor in education. This program requires a minimum GPA of 3.0 for the following courses:

Education (Grades K-12) Minor Coursework

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Notes: (1) The total number of credit hours required for K-12 certification is dependent on the student's major content area.

(2) Students in secondary education (9-12) and K-12 certification programs must officially declare a minor in either secondary education (9-12) or education (K-12) in order to be recognized for the additional educational coursework completed.

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Content Area Coursework

6 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 33543	Elementary Methods of Teaching Art, Music, & PE	3

Foundation Coursework

40 credit hours of coursework from the following options:

MUS 10101	First Year Seminar in Music	1
MUS 14101	Music Theory I	3
MUS 14102	Ear Training I	1
MUS 21400	Piano Proficiency I	1
MUS 21500	Piano Proficiency II	1
MUS 21600	Piano Proficiency III	1
MUS 24201	Music Theory II	3
MUS 24202	Ear Training II	1
MUS 25000	Introduction to Music Technology	3
MUS 32500	Keyboard Techniques	1
MUS 35500	History of Western Music I	3
MUS 35600	History of Western Music II	3
MUS 35700	World Music	3
MUS 37000	Choral Composition and Arranging	3
MUS 37500	Choral Techniques and Literature	3
MUS 37900	Vocal Pedagogy and Literature	3
MUS 38300	Introduction to Conducting	3
MUS 38500	Advanced Conducting-Choral	3

Note: MUS 35500, MUS 35600, and MUS 35700 may be used to satisfy the GE-Human Culture: Arts/Human Diversity requirement.

Private-Lessons Coursework I

3 credit hours of coursework from the following options:

MUS 10462	Private Lessons: Voice	1-2
MUS 20462	Private Lessons: Voice	1-2

Private-Lessons Coursework II

3 credit hours of coursework from the following options:

MUS 30462	Private Lessons: Voice	1-2
MUS 40462	Private Lessons: Voice	1-2

Ensemble Coursework

6 credit hours of large choral ensemble coursework from the following options:

MUS 210XX	Large Ensemble - Choral	0-1
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Capstone Coursework

1 credit hour of coursework from the following option:

MUS 48800	Senior Recital	1
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Seminar Coursework

Zero credit hour course in which students are required to enroll every fall and spring semester (except during student teaching) from matriculation to degree conferral.

MUS 10200	Concert/Recital Attendance	0
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Instrumental Endorsement Coursework

4 credit hours (minimum) of instrumental endorsement coursework from the following options:

2 credit hours of coursework in MUS 209XX.

2 credit hours of private instrumental lessons; MUS 22100, MUS 22200, MUS 22300, MUS 22400, and MUS 22600; MUS 36000; MUS 36500; and MUS 38400.

Additional Requirement Coursework

- A three-credit hour U.S. Government course.
- A minimum cumulative GPA of 2.75.
- Passing scores on periodic assessments of program-level student learning outcomes, including the Piano Proficiency Exam.

PHYSICAL EDUCATION, BA K-12 EDUCATION CERTIFICATION PREPARATION

101 credit hours

This major is only obtainable as part of education certification preparation (Grades K-12). It is not obtainable as a stand-alone program.

Requirements**Education (Grades K-12) Minor Coursework**

37 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
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EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Students in secondary education (9-12) and (K-12) certification programs must officially declare a minor in either secondary education (9-12) or education (K-12) in order to be recognized for the additional educational coursework completed.

Content Area Coursework

6 credit hours of coursework from the following options:

EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3
EDU 33543	Elementary Methods of Teaching Art, Music, & PE	3

Physical Education, BA**Major Coursework**

BSC 10000	Concepts in Biology	4
EDU 32315	Methods of Elementary Physical Education	3
EDU 32320	Methods of Intermediate Physical Education	3
EDU 32500	Perceptual Motor Development	3
EXS 24000	Nutrition Throughout the Lifecycle	3
EXS 31500	Physiology of Exercise	3
EXS 32500/HS 54300	Biomechanics	3
HFS 16000	First Aid/CPR/Sport Injuries	2

HFS 20500	Fitness and Wellness Concepts	3	PE 13500	Badminton	1
HFS 20800	Care and Prevention of Athletic Injuries	4	PE 13600	Scuba	1
HFS 22000	Motor Learning and Rhythmic Activity	3	PE 13700	Archery	1
HFS 30500	Measurement and Evaluation in Physical Education	3	PE 13800	Racquetball	1
HFS 40000	Adapted Physical Education	3	PE 13900	Pickleball	1
PE 15000	Foundations of Physical Education	3	PE 14000	Plyometrics	1
PE 33000	Psychological Aspects of Physical Education	3	PE 14100	Self Defense I	1
PSY 10000	Principles of Psychology	3	PE 14200	Cardiovascular Fitness	1
Human Anatomy and Physiology Coursework			PE 14300	Self Defense II	1
4 credit hours of coursework from the following options:			PE 14400	Camping	1
BSC 22700	Human Anatomy and Physiology I	4	PE 14500	Bicycling	1
HFS 20700	Human Anatomy and Physiology	4	PE 14800	Hiking	1
Activity Coursework			PE 14900	Canoeing	1
At least 3 credit hours total of coursework in Team Sports, Life Sports, and Dance with at least one course in each category from the following options:			PE 15100	Table Tennis	1
Team Sports Coursework			PE 15200	Rappelling	1
1 credit hour of coursework from the following options:			PE 15300	Officiating of Team Sports	1
PE 10000	Team Sports (Competitive Sports)	1	PE 15400	Billiards and Pool	1
PE 10100	Lifetime Sports I	1	PE 15500	Swimming II	1
PE 10200	Lifetime Sports II	1	PE 15600	Fencing	1
PE 10300	Volleyball	1	PE 15700	Advanced Lifeguarding/Lifesaving	1
PE 10400	Softball	1	PE 15800	Fishing and Fly Tying	1
PE 10500	Track and Field	1	PE 15900	Advanced Fishing and Fly Tying	1
PE 10600	Flag Football	1	PE 16100	Outdoor Education	1
PE 10700	Basketball	1	PE 20300	Adventure Education and Leadership	3
PE 10800	Soccer	1	PE 26200	Marathon Course	2
PE 10900	Wrestling	1	Dance Coursework		
PE 11000	Golf	1	2-3 credit hours of coursework from the following options:		
Lifetime Sports Coursework			DAN 10010	Ballet I: Beginning Level	2
1-3 credit hours of coursework from the following options:			DAN 10020	Contemporary I: Beginning Level	2
PE 11200	Trap/Skeet Shooting	1	DAN 10030	Jazz I: Beginning Level	2
PE 12000	Weight Lifting I	1	DAN 10040	Tap I: Beginning Level	2
PE 12100	Weight Lifting II	1	DAN 10100	Introduction to Dance	3
PE 12200	Orienteering	1	DAN 17100	Dance as an Art	3
PE 12600	Aerobic Dance for PE Teachers	1	SECONDARY EDUCATION, BA BUSINESS EMPHASIS		
PE 12700	Swimming I	1	<i>82 credit hours</i>		
PE 12900	Lifeguarding	1	Requirements		
PE 13000	Water Aerobics	1	Major Coursework		
PE 13100	Bowling	1	40 credit hours of coursework from the following options:		
PE 13200	Lifetime Sports	1	EDU 11110	Orientation to Educational Experiences with Field Experiences	3
PE 13300	Tennis I	1	EDU 20200	Psychology of Teaching and Learning	3
PE 13400	Tennis II	1	EDU 21501	Teacher Education Seminar I	1
			EDU 30710	Content Literacy for Diverse Learners	3

EDU 32100	Middle/High School Classroom Teaching and Technology	3	EDS 31610	Speech and Language Development, Acquisition, and Intervention	3
EDU 33542	Secondary Methods of Teaching and Learning with Field Experience	3	EDS 33000	Introduction and Methods of Teaching Children with Disabilities in Cross-Categorical Settings	4
EDU 34100	Education of the Exceptional Child	3	EDS 33700	Special Education Counseling	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3	EDS 34000	Career Development	3
EDU 38700	Reading/Writing across Curriculum	3	EDS 35000	Practicum for Teaching Children with Disabilities in Cross-Categorical Settings	1-3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3	EDS 35700	Remediation in Elementary Math	3
EDU 41000	Student Teaching	12	EDU 11110	Orientation to Educational Experiences with Field Experiences	3
<i>EDU 38700 added after publishing — April Addendum — 4/2/2024**</i>			EDU 20200	Psychology of Teaching and Learning	3
Emphasis Coursework			EDU 21501	Teacher Education Seminar I	1
42 credit hours of coursework from the following options:			EDU 24600	Children's Literature	3
ACCT 21010	Principles of Financial Accounting	3	EDU 30500	Elementary Reading Methods	3
ACCT 21011	Principles of Managerial Accounting	3	EDU 30600	Elementary School Language Arts Methods	3
DCS 20000	Digital Content and Demographics	3	EDU 30910	Instructional Strategies, Techniques and Analysis of Literacy with Practicum	3
DCS 36000	Information Literacy	3	EDU 31310	Instructional Design in Math, Science and Social Studies	3
ECON 23020	Principles of Microeconomics	3	EDU 32200	Elementary Classroom Teaching and Technology	3
ECON 23030	Principles of Macroeconomics	3	EDU 32400	Assessment of Intellectual Skills	3
EDU 36500	Coordination of Cooperative Education	3	EDU 34100	Education of the Exceptional Child	3
EDU 37300	Implementing Vocational Business Education Programs	3	EDU 34410	Elementary School Differentiation and Classroom Management with Field Experiences	3
ENGL 23000	Business Communications	3	EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
ENTR 37510	Small Business and Entrepreneurship	3	EDU 41000	Student Teaching	12
FIN 32030	Personal Finance	3	ESOL 44000	TESOL Methods	3
MGMT 26032	Principles of Management	3	Students must take EDS 35000 for 3 credit hours to fulfill the program requirements.		
MGMT 26061	Business Law I	3			
MRKT 35010	Principles of Marketing	3			

SPECIAL EDUCATION, BA K-12

74 credit hours

Students will need to complete the coursework and pass the Missouri Content Assessment for SPED K-12 Mild and Moderate Cross Categorical in order to be eligible for student teaching and a recommendation for certification.

Requirements

Major Coursework

EDS 30200	Behavior Management	3
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EDUCATIONAL STUDIES, BA

64 credit hours

An educational studies degree is designed for those students who want to work in an educational field that does not require certification. This university degree does not serve as a license to teach. See advisor for information on recommended general education coursework.

Requirements**Major Coursework**

43 credit hours of coursework from the following options:

EDS 30200	Behavior Management	3
EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 24600	Children's Literature	3
EDU 30500	Elementary Reading Methods	3
EDU 30600	Elementary School Language Arts Methods	3
EDU 30910	Instructional Strategies, Techniques and Analysis of Literacy with Practicum	3
EDU 31310	Instructional Design in Math, Science and Social Studies	3
EDU 32200	Elementary Classroom Teaching and Technology	3
EDU 34100	Education of the Exceptional Child	3
EDU 34410	Elementary School Differentiation and Classroom Management with Field Experiences	3
EDU 34510	Pre K-8 Health, Physical Education, and the Arts	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
ESOL 44000	TESOL Methods	3

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Language Development Coursework

3 credit hours of coursework from the following options:

EDS 33300	Speech and Language Development for the Exceptional Learner	3
EDU 31600	Language Acquisition and Development for Young Children	3

Education Elective Coursework

15 credit hours of EDU coursework approved by advisor.

EDUCATION MINOR (NON-CERTIFICATION)

27 credit hours

Requirements

The minor in education without certification is designed for students who do not wish teacher certification but are pursuing a career path in a field in which they may be working with school age children.

Minor Coursework (Non-certification)

15 credit hours of coursework from the following options:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 30710	Content Literacy for Diverse Learners	3
EDU 34100	Education of the Exceptional Child	3
EDU 38700	Reading/Writing across Curriculum	3

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Education Elective Coursework

9 credit hours of EDU elective coursework.

EDUCATION MINOR (K-12) AND SECONDARY EDUCATION MINOR (9-12)

40 credit hours

Requirements**Minor Coursework**

40 credit hours of coursework from the following:

EDU 11110	Orientation to Educational Experiences with Field Experiences	3
EDU 20200	Psychology of Teaching and Learning	3
EDU 21501	Teacher Education Seminar I	1
EDU 30710	Content Literacy for Diverse Learners	3
EDU 32100	Middle/High School Classroom Teaching and Technology	3

EDU 34100	Education of the Exceptional Child	3
EDU 34310	Middle/High School Differentiation and Classroom Management with Field Experiences	3
EDU 38700	Reading/Writing across Curriculum	3
EDU 40400	Advanced Measurement and Evaluation to Enhance Learning	3
EDU 41000	Student Teaching	12

Oral Communications Coursework

3 credit hours of coursework from the following options:

COM 10500	Group Dynamics and Effective Speaking	3
COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Notes: (1) The total number of credit hours required for secondary education certification is dependent on the student's major content area.

(2) Students in secondary education (9-12) and education (K-12) certification programs must officially declare a minor in either secondary education (9-12) or education (K-12) in order to be recognized for the additional educational coursework completed.

SPECIAL EDUCATION K-12 MINOR

19-22 credit hours

Lindenwood University offers a comprehensive minor program in Special Education K-12, designed to equip future educators with specialized skills and knowledge to support diverse learners. This minor is available to students pursuing degrees in early childhood education, elementary education, middle school education, or minors in secondary education (9-12) or K-12 education. Upon successful completion of all coursework, students will have the Special Education minor reflected on their transcripts.

Due to the specialized nature of the program, courses must be thoughtfully planned and sequenced in consultation with the student's education advisor. Some required courses are offered intermittently, emphasizing the importance of strategic academic planning.

Requirements

Minor Coursework

EDS 30200	Behavior Management	3
EDS 33000	Introduction and Methods of Teaching Children with Disabilities in Cross-Categorical Settings	4
EDS 33700	Special Education Counseling	3
EDS 34000	Career Development	3

EDS 35000	Practicum for Teaching Children with Disabilities in Cross-Categorical Settings	1-3
EDS 35700	Remediation in Elementary Math	3
EDU 32400	Assessment of Intellectual Skills	3

Students who take EDS 30200 Behavior Management as a required course to earn their degree, must take: EDS 34000 Career Development to complete the minor.

INTEGRATED STEM PEDAGOGY CERTIFICATE

18 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

Requirements

Certificate Coursework

18 credit hours of coursework from the following:

EDU 34610	Science and Engineering for Educators	3
EDU 34611	Math and Computer Science for Educators	3
EDU 34612	Visual and Expressive Arts for Educators	3
EDU 34613	Social and Cultural Studies for Educators	3
EDU 34614	Virtual Teaching Practices for Educators	3
EDU 34615	Integrated STEM Education for Educators	3

Human Services Department

Carla Mueller, EdD, Chair

The Social Work program offers a Bachelor of Social Work (BSW) that prepares graduates for generalist (entry level) social work practice, helping people help themselves. The degree focuses on social work values and ethics, diversity, social and economic justice, populations-at-risk, and practice at the individual, group, family, organizational, community, and societal levels (micro, mezzo, and macro levels).

A social work degree program provides students with the knowledge, skills, and values necessary for advanced standing into CSWE-accredited graduate schools. Leadership, integrity, cultural humility, critical thinking, effective communication skills, and a concern for the welfare and well-being of others are core values in the social work profession, with a primary goal of serving marginalized populations in need of social services. Social

workers provide support, resource development, and guidance for vulnerable people across the life span. Social workers advocate for change in families, groups, communities, and societies. Students will develop their skills in providing a wide range of services in a wide range of fields of practice. Upon completion of the social work degree, students are prepared for generalist social work employment and advanced standing in CSWE-accredited Master of Social Work programs.

The social work program does not grant academic credit for life experience or previous work experience.

The social work program has been accredited by the Council on Social Work Education (CSWE) since 2005.

Formal admission to the social work program is required in order to enroll in courses in the practice sequence: SW 41000, SW 41100, and SW 41200, and the field practicum, SW 45000.

Students are formally admitted to the major in social work through an application procedure available from the social work program chair. Students intending to become fully admitted into the social work major should contact the social work program chair to obtain complete information regarding admission to the program.

SOCIAL WORK, BSW

59 credit hours

Requirements

Major Coursework

56 credit hours of coursework from the following options:

PSY 10000	Principles of Psychology	3
SOC 10200	Basic Concepts of Sociology	3
SW 11000	Introduction to Social Work	3
SW 11500	Social Service Agency Observation	1
SW 20000	Intercultural Communication	3
SW 24000	Human Diversity and Social Justice	3
SW 32000	Social Welfare Policy and Services I	3
SW 32100	Social Welfare Policy and Services II	3
SW 37000	Human Behavior in the Social Environment I	3
SW 37100	Human Behavior in the Social Environment II	3
SW 40500	Service Learning	3
SW 41000	Social Work Practice I	4
SW 41100	Social Work Practice II	4
SW 41200	Social Work Practice III	4
SW 42500	Social Work Research Methods I	2

SW 42600	Social Work Research Methods II	2
SW 45000	Field Practicum and Seminar	9

Elective Coursework

3 credit hours of SW elective coursework 30000-level or higher.

SOCIAL WELFARE MINOR

21 credit hours

Requirements

Minor Coursework

18 credit hours of coursework from the following options:

SW 11000	Introduction to Social Work	3
SW 24000	Human Diversity and Social Justice	3
SW 32000	Social Welfare Policy and Services I	3
SW 32100	Social Welfare Policy and Services II	3
SW 37000	Human Behavior in the Social Environment I	3
SW 37100	Human Behavior in the Social Environment II	3

Elective Coursework

3 credit hours of SW elective coursework not previously used.

Any SW course not listed above. 3

EARLY ACCESS

Early Access

With the approval of the dean of the appropriate college, traditional day undergraduate students may take up to 9 credit hours at the graduate level during their senior year at no additional charge. These hours will count toward a graduate degree if one is ultimately pursued but not toward the student's undergraduate degree. Under this option, the student must be enrolled in at least 12 credit hours at the undergraduate level for each semester that the student is taking graduate credit and have a minimum undergraduate 3.0 GPA. A maximum of 6 graduate credits may be earned per semester. Students in the early access program must maintain a 3.0 GPA in all master's credits.

COLLEGE OF SCIENCE, TECHNOLOGY, AND HEALTH

Health Sciences Department

Department reorganization (adding Public Health) after publishing — July Addendum — 7/19/2024

Darrell DeMartino, DNP, Department Head

Applied Science

The College of Science, Technology, and Health offers a Bachelor of Applied Science Program with two emphasis areas. This program delivers innovative and quality science, public health, and management education for students who have previously earned an Associate of Applied Science to enhance their career and professional opportunities.

APPLIED SCIENCE, BAS HEALTH CARE MANAGEMENT TRACK

30 credit hours

Requirements

Major Coursework

12 credit hours of coursework from the following options:

EXS 24000	Nutrition Throughout the Lifecycle	3
PHS 22000	Public Health and Social Justice	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 37000	Health Promotion	3

Health Coursework

3 credit hours of coursework from the following options:

HFS 30000	Health and Well-Being in Society	3
PHS 20000	Foundations of Public Health	3

Culminating Experience Coursework

3 credit hours of coursework from the following options:

HFS 35000/REC 38500	Practicum	1-3
HFS 45000	Internship	3-6
HFS 48000	Applied Science Capstone	3

Emphasis Coursework

12 credit hours of coursework from the following options:

HM 30100	Ethical Issues in Healthcare Management	3
HM 30200	Healthcare Management	3

HM 31010	Healthcare Financial Management	3
HM 33300	Legal Issues in Healthcare	3

APPLIED SCIENCE, BAS SOCIAL AND BEHAVIORAL SCIENCES TRACK

30 credit hours

Requirements

Major Coursework

12 credit hours of coursework from the following options:

EXS 24000	Nutrition Throughout the Lifecycle	3
PHS 22000	Public Health and Social Justice	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 37000	Health Promotion	3

Health Coursework

3 credit hours of coursework from the following options:

HFS 30000	Health and Well-Being in Society	3
PHS 20000	Foundations of Public Health	3

Culminating Experience Coursework

3 credit hours of coursework from the following options:

HFS 35000/REC 38500	Practicum	1-3
HFS 45000	Internship	3-6
HFS 48000	Applied Science Capstone	3

Emphasis Coursework

12 credit hours of coursework from the following options:

HFS 34000	Mental Health and Resiliency Techniques	3
PHS 35300	Health Communication	3
PHS 36000	Introduction to Epidemiology	3
PHS 38300	Research Methods in Public Health	3
PHS 38500	Biological Basis of Health and Disease	3
PSY 15700	Psychology of Leadership	3
PSY 18100	Cultural Psychology	3
PSY 20500	Human Development	3
PSY 20800	Child Psychology	3
PSY 21000	Psychology of Parenting	3
PSY 29000-29999	Special Topics in Psychology	1-6

PSY 30300	Abnormal Psychology	3
PSY 33200	Psychology of Motivation and Emotion	3
PSY 39000-39999	Special Topics in Psychology	1-6
SOC 21400	The Family	3
SOC 22000	Social Problems	3
SOC 29000-29999	Special Topics in Sociology	1-6
SOC 32600/CCJ 32600	Drugs and Society	3
SOC 39000-39999	Special Topics in Sociology	1-6

Nursing

The RN-to-BSN baccalaureate nursing degree program is intended for nursing professionals who are currently licensed registered nurses with an earned associate degree or diploma in nursing. Students are provided with educational and clinical experiences integrating professional nursing concepts with an emphasis on providing application to professional nursing practice in a changing health care environment.

A post-licensure baccalaureate nursing degree provides students an opportunity to expand professional nursing skills and knowledge to realize professional career growth potential. Coursework is presented through a conceptual lens to build on students' prior nursing knowledge and experience in the health care environment. The courses within the program encompass the essential elements of baccalaureate nursing education standards. These concepts include evidence-based nursing practice, health informatics, quality care and patient safety, interdisciplinary health care collaboration, and patient-centered care delivery. In addition, population health, health care policy, nursing leadership skills, and nursing professionalism are emphasized.

This program is an online program designed to support working nurses' professional schedule.

REQUIREMENTS

Lindenwood University acknowledges the value of previous nursing education and awards 32 nursing credits for the basic nursing degree or diploma program. The Bachelor of Science in Nursing (post-licensure RN to BSN) requires the completion of ten required nursing courses (32 credits) in addition to the general education requirements (42 credits min) and meeting other university requirements for a Bachelor of Science degree (120 credit hours).

Summary of requirements:

- Current unencumbered nursing (32 credits awarded for via licensure credit)

- Complete university GE Requirements (42 credit hours min.)
- Electives, as needed, to ensure 120 total credits
- Complete the below required Nursing courses (32 credits)

NURSING, BS

Requirements

Major Coursework

32 credit hours of coursework from the following options:

NURS 30100	Professional Identity and Practice: Transitioning to Nursing Leadership	3
NURS 31100	Comprehensive Health Assessment for the Registered Nurse	3
NURS 38000	Research, Statistics, and Scholarship in Professional Health Practice	3
NURS 41000	Informatics in Professional Nursing Practice	3
NURS 42000	Healthcare Economics and Policy	3
NURS 43000	Transforming Healthcare Through Organizational Systems, Quality, and Safety	3
NURS 44100	Interprofessional Collaboration and Leadership for Registered Nurse	4
NURS 45000	Healthcare Promotion and Practice in Public Health and Communities	3
NURS 46000	Advancing the Nursing Profession: Expanded Practices and Roles	3
NURS 48100	BSN Capstone for the Registered Nurse	4

Paramedicine

The Bachelor of Science in paramedicine degree program is designed to develop a bachelor prepared paramedic that is ready to meet the needs of the profession. Students are eligible for one of two tracks.

Experienced Medic Track – This track is for licensed paramedics who wish to continue their paramedic education at the baccalaureate level. Experienced medics must have a current state paramedic license, or National Registry paramedic certification.

Traditional Student Track – This track is for students who have no previous paramedic training and are receiving initial paramedicine education and training in order to be

eligible for licensure as a paramedic. Students in this track will complete prerequisite courses during their first years in the program, and then apply to the upcoming paramedic cohort by the department specified deadline. Once accepted into the paramedic cohort, students will follow a prescribed sequence of courses.

Additional non-academic requirements for students participating in paramedicine courses with a clinical component include obtaining and maintaining American Heart Association Healthcare Provider certification, successful completion of a criminal background check, a negative drug screening, and a physical examination indicating the ability to meet the functional job requirements for a paramedic. Students will also be required to show proof of appropriate immunizations.

PARAMEDICINE, BS EXPERIENCED PARAMEDIC TRACK

Requirements

- Current State Paramedic license or National Registry Paramedic.
- Complete university GE Requirements (42 credit hours min.)
 - GE-Math requirement must be MTH 14100 or higher
 - GE-Social Science must include PSY 10000 and PHS 20000
 - GE-Natural Science with lab preferable biology (BSC) or chemistry (CHM) course
- EMT/Paramedic Licensure Credit (45 credit hours) (p. 46)

Paramedicine Coursework

6 credit hours of coursework from the following options:

HM 30100	Ethical Issues in Healthcare Management	3
PARA 40200	Current Issues in Paramedicine	3

Elective Coursework

30 credit hours of coursework from the following options:

EXS 27500	Research Methods and Data Interpretation	3
HM 30200	Healthcare Management	3
HM 33300	Legal Issues in Healthcare	3
HRM 36510	Human Resource Management	3
PARA 30000	Human Pathophysiology	3
PARA 43000	Principles of Adult Education	3
PARA 43100	Laboratory Skills Instruction	3

PARA 43200	Course Design and Development	3
PARA 43300	Student Teaching Practicum	3
PARA 47101	Critical Care Paramedicine I	3
PARA 47102	Critical Care Paramedicine II	3
PARA 47103	Critical Care Paramedicine Lab	1
PARA 47104	Critical Care Paramedicine Clinical Practicum	2
PHRL 21202	Bioethics	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 34000	Health Policy	3
PHS 36000	Introduction to Epidemiology	3
PHS 38200	Biostatistics for the Health Sciences	3
PSY 23500	Death, Dying, Life, & Living	3
PSY 30300	Abnormal Psychology	3
PSY 32500	Behavioral Neuroscience	3
REC 28200	Wilderness First Responder	3
SOC 32600/CCJ 32600	Drugs and Society	3
SW 20000	Intercultural Communication	3
SW 33000	Death, Grief, and Loss	3

Additional elective: Upper level BSC or CHM course, in consultation with advisor.

PARAMEDICINE, BS TRADITIONAL STUDENT TRACK

Requirements

- Complete university GE Requirements (42 credit hours min.)
- GE-Math requirement must be MTH 14100 or higher (3 credit hours)
- GE-Social Science must include PSY 10000, PSY 20500, and PHS 20000 (9 credit hours)
- GE-Science must include:
 - BSC 10000 (4 credit hours) or BSC 24400 (4 credit hours)
 - BSC 22700 – Human Anatomy and Physiology I (4 credit hours)
 - BSC 22800 – Human Anatomy and Physiology II (4 credit hours)
- Other courses required (8 credit hours)
 - PARA 30000 – Human Pathophysiology (3 credit hours)
 - HFS 18500 – Medical Terminology (2 credit hours)

- HM 30100 – Ethical Issues in Healthcare Management (3 credit hours)

EMT Coursework

12 credit hours of coursework from the following options:

PARA 22100	Emergency Medical Technician Clinical	1
PARA 22200	Emergency Medical Technician Lab	3
PARA 22300	Emergency Medical Technician	6
PARA 24000	Medical Documentation	2

Major Coursework

43 credit hours of coursework from the following options:

PARA 31200	Pharmacology	4
PARA 32000	Physical Examination and Assessment	3
PARA 32500	Paramedic Skills Lab	2
PARA 33000	Paramedic Airway Management	2
PARA 34800	Paramedicine Clinical I	2
PARA 35100	Cardiac Electrophysiology and EKG	3
PARA 36100	Medical Emergencies I	3
PARA 36200	Medical Emergencies II	3
PARA 37100	Special Populations in Paramedicine	3
PARA 38100	Trauma Paramedicine	3
PARA 38500	Paramedic Simulation Lab I	2
PARA 38900	Paramedicine Clinical II	3
PARA 40500	Paramedic Simulation Lab II	2
PARA 41000	Paramedicine Clinical III	3
PARA 41200	Paramedic Field Internship	5

Elective Coursework

12 credit hours of coursework from the following options:

PARA 43000	Principles of Adult Education	3
PARA 43100	Laboratory Skills Instruction	3
PARA 43200	Course Design and Development	3
PARA 43300	Student Teaching Practicum	3
PARA 47101	Critical Care Paramedicine I	3
PARA 47102	Critical Care Paramedicine II	3
PARA 47103	Critical Care Paramedicine Lab	1
PARA 47104	Critical Care Paramedicine Clinical Practicum	2
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 34000	Health Policy	3
PHS 36000	Introduction to Epidemiology	3

Alternative coursework may be used to fulfill elective requirements as discussed with advisor.

Public Health

The Bachelor of Science in Public Health prepares students for positions in health promotion and disease prevention at

the local, state, national, or international level. Students are able to work with entire communities or subsets of groups within larger communities to improve health and reduce risk of disease. This degree prepares students for entry-level positions in non-profit organizations, government, hospitals and health clinics, academic research institutions, and school districts as health educators, research assistants, health communication specialists, evaluation coordinators, data specialists, policy associates, and project assistants. Students receiving this degree are also well-suited to continue their education in programs of Master of Public Health, physician assistant, medicine, and nursing, among others.

PUBLIC HEALTH, BS

54-57 credit hours

The Bachelor of Science in Public Health prepares students for positions in health promotion and disease prevention at the local, state, national, or international level. Students are able to work with entire communities or subsets of groups within larger communities to improve health and reduce risk of disease. This degree prepares students for entry-level positions in non-profit organizations, government, hospitals and health clinics, academic research institutions, and school districts as health educators, research assistants, health communication specialists, evaluation coordinators, data specialists, policy associates, and project assistants. Students receiving this degree are also well-suited to continue their education in programs of Master of Public Health, physician assistant, medicine, and nursing, among others.

Requirements**Major Coursework**

48 credit hours of coursework from the following options:

PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3
PHS 24000	Global Health	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 33200	Environmental Health	3
PHS 34000	Health Policy	3
PHS 35300	Health Communication	3
PHS 36000	Introduction to Epidemiology	3
PHS 37000	Health Promotion	3
PHS 38000	Evidence-Based Practice in Public Health	3
PHS 38200	Biostatistics for the Health Sciences	3
PHS 38300	Research Methods in Public Health	3
PHS 38500	Biological Basis of Health and Disease	3
PHS 41000	Community Health Assessment	3

PHS 43000	Program Planning for Health Promotion and Prevention	3
PHS 45000	Program Evaluation in Public Health	3

Elective Coursework

3 credit hours of coursework from the following option:

PHS 38900	Independent Research	1-3
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Practical Application Coursework

6 credit hours of coursework from the following options that will be taken during the student's final year of coursework.

PHS 48000	Capstone Seminar	3
PHS 48300	Internship	3

Students must maintain a C or better in all PHS courses for completion of the program.

Radiologic Technology**RADIOLOGIC TECHNOLOGY, BS**

106 credit hours

This program will be part of a joint program/affiliation agreement with Mercy Hospital St. Louis-School of Radiologic Technology. Through a combination of coursework at Lindenwood and then a two-year didactic/clinical program (at an affiliated accredited radiologic program), students will confer a BS degree. This program requires that students take a minimum of 30 hours at Lindenwood University before they can begin their clinical coursework. Students in this program may not be eligible for merit scholarship opportunities.

Requirements**Major Coursework**

BSC 10000	Concepts in Biology	4
BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
BSC 23000	Microbiology for Health Sciences	4
CHM 10000	Concepts in Chemistry	4
COM 11000	Public Speaking	3
HFS 18500	Medical Terminology	2
MTH 15100	College Algebra	3
PSY 10000	Principles of Psychology	3
RAD 31000	Radiologic Technology I	15
RAD 32000	Radiologic Technology II	15
RAD 41000	Radiologic Technology III	15
RAD 42000	Radiologic Technology IV	15
SOC 10200	Basic Concepts of Sociology	3

Ethics Coursework

3 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 21201	Ethics, Media, & Technology	3
PHRL 21202	Bioethics	3

Information Systems Coursework

3 credit hours of coursework from the following options:

MGMT 24000	Introduction to Information Systems	3
MGMT 26014	Excel for Professionals	3

Elective Coursework

6 credit hours of coursework from the following options:

HM 30100	Ethical Issues in Healthcare Management	3
HM 30200	Healthcare Management	3
PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3
PHS 24000	Global Health	3
PSY 20500	Human Development	3
PSY 30300	Abnormal Psychology	3

**RADIOLOGIC TECHNOLOGY, BS
COMPLETION TRACK**

30 credit hours

*Program added after publishing — April Addendum — 4/28/2024***

Registered radiologic technologists who wish to earn a Bachelor of Science degree with a major in radiologic technology receive up to 60 credit hours of experiential credit for their AART certification.

- Current Registered Radiologic Technologist R.T.(R) through the American Registry of Radiologic Technologists (ARRT)
- Radiologic Technology Certification/Licensure Credit (60 hours)
- Complete university GE Requirements (42 credit hours minimum)
- GE-Natural Science with lab preferably a biology (BSC), chemistry (CHM), or physics (PHY) course
- In order to complete the program and earn a Bachelor of Science in Radiologic Technology, Completion Track, a student will need to complete at least 30 credits at Lindenwood University. If transferring in any of the required courses, students will have to substitute other Lindenwood courses to make up the 30-credit hour requirement.

Requirements

Communications Coursework

3 credit hours of coursework from the following options:

COM 11000	Public Speaking	3
SW 20000	Intercultural Communication	3

Healthcare Management Coursework

6 credit hours of coursework from the following options:

HM 30100	Ethical Issues in Healthcare Management	3
HM 30200	Healthcare Management	3

Ethics Coursework

3 credit hours of coursework from the following options:

PHRL 21200	Ethics & Human Action	3
PHRL 21201	Ethics, Media, & Technology	3
PHRL 21202	Bioethics	3

Elective Coursework

18 credit hours of coursework from the following options:

If any of these 18 credits are transferred in, the student must substitute additional coursework from the elective pool below to satisfy the 30 total credit hour requirement.

HFS 18500	Medical Terminology	2
HFS 30000	Health and Well-Being in Society	3
HM 33300	Legal Issues in Healthcare	3
MGMT 24000	Introduction to Information Systems	3
MGMT 26014	Excel for Professionals	3
MGMT 36081	Career Development	3
PARA 30000	Human Pathophysiology	3
PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3
PHS 24000	Global Health	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 34000	Health Policy	3
PHS 36000	Introduction to Epidemiology	3
PHS 37000	Health Promotion	3
PSY 10000	Principles of Psychology	3
PSY 15700	Psychology of Leadership	3
PSY 20500	Human Development	3
PSY 30300	Abnormal Psychology	3
SOC 10200	Basic Concepts of Sociology	3

Other coursework could be approved with consultation with the department head. For example, some BSC, CHM, and PHY courses may be considered.

Kinesiology Department

Tom Godar, EdD, Department Head

Exercise Science

Exercise science is a scientific program of study that focuses on the anatomy, physiology, biochemistry, human movement, and applications to exercise and therapeutic rehabilitation. Examples of coursework include instruction in clinical exercise physiology, exercise physiology, biomechanics, fitness assessment and exercise prescription, energy sources, and strength and conditioning.

Exercise science prepares qualified professionals for employment in health and fitness centers, hospital-based health and wellness programs, corporate based health and wellness programs, cardiac rehabilitation, strength and conditioning, and allied health areas. Additionally, the program prepares students for advanced study in related fields such as exercise physiology, biomechanics, occupational therapy, physical therapy, physician assistant, medicine, and chiropractic medicine.

Students must meet the minimum criteria listed below.

- Admission to Lindenwood University.
- Declaration of exercise science as a major.
- C or better in all required major courses.

EXERCISE SCIENCE, BS

78-79 credit hours

Requirements

Major Coursework

47 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
EXS 24000	Nutrition Throughout the Lifecycle	3
EXS 27500	Research Methods and Data Interpretation	3
EXS 31500	Physiology of Exercise	3
EXS 31600	Physiology of Exercise Lab	1
EXS 31700	Advanced Exercise Physiology	3
EXS 32500/HS 54300	Biomechanics	3
EXS 36000	Exercise Principles for Optimal Performance	4
EXS 38700	Exercise Testing	3
EXS 38800	Exercise Testing Lab	1
EXS 41000	Exercise Prescription and Implementation	3
EXS 43000	Physical Activity for Specific Populations	3

HFS 21500	Introduction to Health and Fitness Sciences	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
PSY 10000	Principles of Psychology	3

Biological Sciences Coursework

4 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
BSC 24400	Introduction to Cellular and Molecular Biology	4

Chemistry Coursework

3-4 credit hours of coursework from the following options:

CHM 10000	Concepts in Chemistry	4
CHM 23000	General Chemistry 1	3

Mathematics Coursework

3 credit hours of coursework from the following options:

MTH 15100	College Algebra	3
MTH 15200	Pre-calculus: Elementary Functions	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Additional Coursework

12 credit hours of coursework from the College of Science, Technology, and Health; 9 credit hours at the 20000-level or higher and 3 credit hours at the 30000-level or higher.

Practical Application Coursework

6 credit hours of coursework from the following, 3 credit hours of which must be an internship:

EXS 33500	Independent Research	1-3
EXS 44100	Research Internship	1-6
HFS 35000/REC 38500	Practicum	1-3
HFS 45000	Internship	3-6

Health and Wellness

The health and wellness program prepares students for rewarding employment opportunities in numerous industries with a focus on preventive health, health promotion, and wellness management. Students will gain the foundation knowledge and skills necessary to develop and implement essential programs for improving the quality of life and well-being of others. Furthermore, students choose from one of four emphasis areas that will allow them to further specialize their degree and skill set to their desired career path.

Emphasis areas include the following: sport and physical activity; therapeutic recreation; fitness and wellness administration; and / or lifestyle and behavior management.

The sport and physical activity emphasis includes coursework in care and prevention of injuries, coaching, and sports performance. The therapeutic recreation emphasis provides students with the necessary coursework and clinical experience to seek certification as a therapeutic recreation specialist through the National Council for Therapeutic Recreation. The fitness and wellness management emphasis includes courses in management, event planning, health policy, and wellness programming. And the lifestyle and behavior management emphasis focuses on health promotion, health psychology, and behavior change.

NOTE: Students earning a bachelor's degree in health and wellness may not earn a minor in health and wellness within the department. Also, no more than two courses in the major, including the emphasis areas, can be used to satisfy the requirements for an additional minor within the department.

HEALTH AND WELLNESS, BS FITNESS AND WELLNESS ADMINISTRATION EMPHASIS

65 credit hours

Requirements

Major Coursework

41 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
EXS 24000	Nutrition Throughout the Lifecycle	3
HFS 16000	First Aid/CPR/Sport Injuries	2
HFS 20500	Fitness and Wellness Concepts	3
HFS 20700	Human Anatomy and Physiology	4
HFS 21500	Introduction to Health and Fitness Sciences	3
HFS 30000	Health and Well-Being in Society	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
HFS 34000	Mental Health and Resiliency Techniques	3
HFS 43500	Health Sciences Seminar	1
PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3

REC 20600	Leisure in Contemporary Society	3
REC 31000	Inclusive and Therapeutic Recreation	3

Emphasis Coursework

24 credit hours of coursework from the following options:

HFS 33500	Organizational Management for Fitness and Health Professionals Practicum	3	1-3
HFS 35000/REC 38500			
HFS 40500	Worksite Wellness Programming	3	
MGMT 26032	Principles of Management	3	
PHS 34000	Health Policy	3	
PHS 37000	Health Promotion Faculty Advisor approved 30000-level or higher Elective	3	
	Faculty Advisor approved 30000-level or higher Elective	3	

Students must take HFS 35000 for 3 credit hours to meet the requirement.

HEALTH AND WELLNESS, BS LIFESTYLE AND BEHAVIOR MANAGEMENT EMPHASIS

65 credit hours

Requirements

Major Coursework

41 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
EXS 24000	Nutrition Throughout the Lifecycle	3
HFS 16000	First Aid/CPR/Sport Injuries	2
HFS 20500	Fitness and Wellness Concepts	3
HFS 20700	Human Anatomy and Physiology	4
HFS 21500	Introduction to Health and Fitness Sciences	3
HFS 30000	Health and Well-Being in Society	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
HFS 34000	Mental Health and Resiliency Techniques	3
HFS 43500	Health Sciences Seminar	1
PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3
REC 20600	Leisure in Contemporary Society	3

REC 31000	Inclusive and Therapeutic Recreation	3
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Emphasis Coursework

24 credit hours of coursework from the following options:

EXS 30500	Medical Nutrition Therapy	3
EXS 32000	Nutrition Education and Counseling Practicum	3
HFS 35000/REC 38500		
PHS 37000	Health Promotion	3
PSY 30300	Abnormal Psychology	3
PSY 32100	Health Psychology	3
PSY 33200	Psychology of Motivation and Emotion	3
	Faculty Advisor approved 30000-level or higher Elective	3

Students must take HFS 35000 for 3 credit hours to meet the requirement.

HEALTH AND WELLNESS, BS SPORT AND PHYSICAL ACTIVITY EMPHASIS

67 credit hours

Requirements

Major Coursework

41 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
EXS 24000	Nutrition Throughout the Lifecycle	3
HFS 16000	First Aid/CPR/Sport Injuries	2
HFS 20500	Fitness and Wellness Concepts	3
HFS 20700	Human Anatomy and Physiology	4
HFS 21500	Introduction to Health and Fitness Sciences	3
HFS 30000	Health and Well-Being in Society	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
HFS 34000	Mental Health and Resiliency Techniques	3
HFS 43500	Health Sciences Seminar	1
PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3
REC 20600	Leisure in Contemporary Society	3
REC 31000	Inclusive and Therapeutic Recreation	3

Emphasis Coursework

26 credit hours of coursework from the following options:

EXS 31500	Physiology of Exercise	3
EXS 31800	Strategies for Effective Coaching	3
EXS 36000	Exercise Principles for Optimal Performance	4
HFS 20800	Care and Prevention of Athletic Injuries	4
HFS 31000	Kinesiology of Physical Education	3
HFS 35000/REC 38500	Practicum	1-3
HFS 40000	Adapted Physical Education	3
PE 33000	Psychological Aspects of Physical Education	3

Students must take HFS 35000 for 3 credit hours to meet the requirement.

HEALTH AND WELLNESS, BS THERAPEUTIC RECREATION EMPHASIS

70-74 credit hours

Requirements

Major Coursework

41 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
EXS 24000	Nutrition Throughout the Lifecycle	3
HFS 16000	First Aid/CPR/Sport Injuries	2
HFS 20500	Fitness and Wellness Concepts	3
HFS 20700	Human Anatomy and Physiology	4
HFS 21500	Introduction to Health and Fitness Sciences	3
HFS 30000	Health and Well-Being in Society	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
HFS 34000	Mental Health and Resiliency Techniques	3
HFS 43500	Health Sciences Seminar	1
PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3
REC 20600	Leisure in Contemporary Society	3
REC 31000	Inclusive and Therapeutic Recreation	3

Emphasis Coursework

24-33 credit hours of coursework from the following options:

HFS 33500	Organizational Management for Fitness and Health Professionals	3
PSY 30300	Abnormal Psychology	3
REC 31100	Processes & Techniques in Therapeutic Recreation	3
REC 31300	Professional Issues and Current Trends in Therapeutic Recreation	3
REC 31400	Assessment Techniques in Therapeutic Recreation	3
REC 32000	Adapted Sports and Therapeutic Recreation Activities	3
REC 33300	Program Design and Assessment in Recreation Therapy	3
REC 48200	Internship in Recreation, Sport and Tourism	3-12

Mathematics, Computer Science, and Information Technology Department

Erin Martin, PhD, Department Head

Computer Science

Computer science and computer information systems majors can expect to work in jobs ranging from design and development of commercial systems to the development of virtual reality and computer graphic programs. The role of the computer industry has always been one of leadership in both science and commerce. From the on-line computerized navigation systems of the early moon landings to scanner-based retail inventory systems, computer science and computer information systems have provided the nation with a technological edge. Today, the industry has expanded into telecommunications, virtual reality training and entertainment, using the internet for commerce and information dissemination, robotics, exploration, as well as many other applications. The Computer Science Program offers the following degrees and minor:

- Bachelor of Arts in Computer Information Systems
- Bachelor of Arts in Computer Science
- Bachelor of Science in Computer Science
- Computer Science Minor (p. 195)

The Bachelor of Science in computer science is intended for students seeking an in-depth knowledge of the computer and computer systems. Majors in computer science are generally concerned with the use of computers for scientific oriented methods, applied mathematical problems, and research. In addition to computer science courses, students will be required to take courses in

calculus and physics. Students pursuing this degree either minor in mathematics or add mathematics as a second major.

The Bachelor of Arts in computer science is intended for students seeking a broader knowledge of computer systems.

Students pursuing this degree normally minor in one of the liberal arts programs or even pursue a double major with the second major in the area of liberal arts.

The Bachelor of Arts in computer information systems is intended for students interested in the business applications of computers and business-oriented methods and issues. The student will be required to complete courses in accounting, economics, management, and organizational behavior. Students in this program should consider a minor in some aspect of business.

Students majoring in computer science may also participate in a dual degree program in engineering. See the pre-engineering section of this catalog for more information.

Cooperative Education Program

Cooperative education credit is available to selected undergraduate students in computer science. Participation in the program is on a voluntary basis, allowing a student to earn up to nine hours of credit. This program affords the student the opportunity to integrate work experience with academic experience. The Cooperative Education Program is a partnership between the student, Lindenwood University, and the employer.

Participation in the program greatly increases a student’s opportunities for employment after graduation. To be eligible for the program, the student must:

- Have completed CSC 24400 with a C or better
- Have a minimum 3.0 grade point average
- Be in good academic standing status with the university at the time of application
- Receive the recommendation of the computer science faculty

For further information, students should contact the academic advisor for this program.

**COMPUTER INFORMATION SYSTEMS,
BA**

62 credit hours

Requirements

Major Coursework

44 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ACCT 21011	Principles of Managerial Accounting	3
COM 11000	Public Speaking	3
CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 28500	Applied Discrete Structures	3
CSC 30500	Principles of Database Systems	3
CSC 43000	Senior Project	3
CSC 44700	Project Management and Practice	3
ECON 23010	Survey of Economics	3
MGMT 26032	Principles of Management	3
MGMT 36050	Organizational Behavior	3
MTH 14100	Basic Statistics	3
MTH 15100	College Algebra	3

Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3

Elective Coursework

15 credit hours of coursework from the following options:

AAD 36100	Web Design II	3
AAD 36200	Web Design III	3
AAD 36300	Web Design IV	3
AAD 42400	Applications for Mobile Devices	3
CSC 34400	GUI Application Design	3
CSC 35500	Computer Systems I	4
CSC 36000	Data Structures and Algorithms	3
CSC 40500	Computer Graphics	3
CSC 40800	Organization of Programming Languages	3
CSC 45100	Cooperative Education in Computer Science I	3
CSC 45111	Internship	3
CSC 45200	Cooperative Education in Computer Science II	3
CSC 45211	Internship	3
CSC 45500	Computer Systems II	4
CSC 48000	Telecommunications and Computer Networking	3
DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
GAM 30120	Level Design	3
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 35100	Numerical Methods	3

COMPUTER SCIENCE, BA

53 credit hours

Requirements

Major Coursework

23 credit hours of coursework from the following options:

COM 11000	Public Speaking	3
CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 28500	Applied Discrete Structures	3
CSC 36000	Data Structures and Algorithms	3
CSC 43000	Senior Project	3
MTH 24100	Statistics for Natural Science	3

Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3

Elective Coursework

27 credit hours of coursework from the following options:

AAD 36100	Web Design II	3
AAD 36200	Web Design III	3
AAD 36300	Web Design IV	3
AAD 42400	Applications for Mobile Devices	3
CSC 30500	Principles of Database Systems	3
CSC 34400	GUI Application Design	3
CSC 35500	Computer Systems I	4
CSC 40500	Computer Graphics	3
CSC 40800	Organization of Programming Languages	3
CSC 44700	Project Management and Practice	3
CSC 45100	Cooperative Education in Computer Science I	3
CSC 45111	Internship	3
CSC 45200	Cooperative Education in Computer Science II	3
CSC 45211	Internship	3
CSC 45500	Computer Systems II	4
CSC 48000	Telecommunications and Computer Networking	3
DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
GAM 30120	Level Design	3
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 35100	Numerical Methods	3

COMPUTER SCIENCE, BS

70 credit hours

Requirements

Major Coursework

44 credit hours of coursework from the following options:

COM 11000	Public Speaking	3
CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 28500	Applied Discrete Structures	3
CSC 30500	Principles of Database Systems	3
CSC 35500	Computer Systems I	4
CSC 36000	Data Structures and Algorithms	3
CSC 43000	Senior Project	3
CSC 45500	Computer Systems II	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3

General Education Natural Science with Lab Coursework

8 credit hours of General Education Natural Science with Lab coursework (from same discipline) at or above the 20000-level.

Elective Coursework

15 credit hours of coursework from the following options:

AAD 36100	Web Design II	3
AAD 36200	Web Design III	3
AAD 36300	Web Design IV	3
AAD 42400	Applications for Mobile Devices	3
CSC 34400	GUI Application Design	3
CSC 40500	Computer Graphics	3
CSC 40800	Organization of Programming Languages	3
CSC 44700	Project Management and Practice	3
CSC 45100	Cooperative Education in Computer Science I	3
CSC 45111	Internship	3
CSC 45200	Cooperative Education in Computer Science II	3
CSC 45211	Internship	3
CSC 48000	Telecommunications and Computer Networking	3
DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
GAM 30120	Level Design	3
MTH 28500	Introduction to Mathematical Proof Writing	3

MTH 35100 Numerical Methods 3

COMPUTER SCIENCE, BS CYBERSECURITY EMPHASIS

79 credit hours

(Includes 8 credit hours required specifically to fulfill GE-Natural Science with Lab)

Requirements

Major Coursework

44 credit hours of coursework from the following options:

COM 11000	Public Speaking	3
CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 28500	Applied Discrete Structures	3
CSC 30500	Principles of Database Systems	3
CSC 35500	Computer Systems I	4
CSC 36000	Data Structures and Algorithms	3
CSC 43000	Senior Project	3
CSC 45500	Computer Systems II	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3

General Education Natural Science with Lab Coursework

8 credit hours of General Education Natural Science with Lab coursework (from same discipline) at or above the 20000-level.

Emphasis Coursework

24 credit hours of coursework from the following options:

CCJ 33500	Cyber Crime	3
CSC 21000	Ethical Issues in Technology	3
CSC 41100	Artificial Intelligence	3
CSC 48000	Telecommunications and Computer Networking	3
ICS 31000	Foundations of Cybersecurity	3
ICS 42100	Ethical Hacking	3
ICS 42300	Advanced Penetration Testing	3
ICS 42400	Cybersecurity Analysis	3

COMPUTER SCIENCE, BS DATA SCIENCE EMPHASIS

71-73 credit hours

(Includes 8 credit hours required specifically to fulfill GE-Natural Science with Lab)

Requirements

Major Coursework

44 credit hours of coursework from the following options:

COM 11000	Public Speaking	3
CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 28500	Applied Discrete Structures	3
CSC 30500	Principles of Database Systems	3
CSC 35500	Computer Systems I	4
CSC 36000	Data Structures and Algorithms	3
CSC 43000	Senior Project	3
CSC 45500	Computer Systems II	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3

General Education Natural Science with Lab Coursework

8 credit hours of General Education Natural Science with Lab coursework (from same discipline) at or above the 20000-level.

Emphasis Coursework

15 credit hours of coursework from the following options:

DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
DSCI 37000	Big Data Analytics	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 35100	Numerical Methods	3

Practical Application Coursework

1-3 credit hours of coursework from the following options:

CSC 45111	Internship	3
MTH 38901	Undergraduate Research	3
MTH 48001	Mathematics Internship	1-3

This project or internship should be taken as a capstone to the program, and should employ and build upon skills developed in other courses taken as part of the requirements of the certificate. The project or internship must be approved by the student's advisor, as well as the department head of mathematics, computer science, and information technology.

Cybersecurity**CYBERSECURITY, BS***66 credit hours***Requirements**

Major Coursework

60 credit hours of coursework from the following options:

ICS 21300	Foundations of Information Technology	3
ICS 21400	Foundations of Networking	3
ICS 31000	Foundations of Cybersecurity	3
ICS 32700	Network and Cloud Security	3
ICS 32800	Digital Forensics and Cyber Investigation	3
ICS 41200	Linux Server Installation & Configuration	3
ICS 41500	Cloud Computing Essentials and Best Practices	3
ICS 41700	Hybrid Cloud Architecture and Management	3
ICS 42100	Ethical Hacking	3
ICS 42300	Advanced Penetration Testing	3
ICS 42400	Cybersecurity Analysis	3
ICS 43200	Secure Software Development	3
ICS 43300	Web Based Application Security	3
ICS 48900	Cybersecurity Capstone	3
IIT 21500	Programming Logic and Design	3
IIT 22000	Hardware and Operating Systems	3
IIT 33400	Ethical Issues in Cybersecurity	3
IIT 33500	Blockchain Technology for Business	3
IIT 35100	Database Analysis and Design Concepts	3
IIT 48100	Project Management in Information Technology	3

General Education Mathematics Coursework

6 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
	Any GE-Math course.	3

Data Science

Access data science minor here. (p. 196)

DATA SCIENCE, BS*72-75 credit hours***Requirements**

Major Coursework

45 credit hours of coursework from the following:

CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
CSC 30500	Principles of Database Systems	3
DSCI 11000	Introduction to Data Science	3
DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 31500	Linear Algebra I	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
Elective Coursework		
27-30 credit hours of coursework from the following options:		
Students completing the Bachelor of Science in data science must also complete 27 – 30 credit hours of elective courses selected from the two groups below. The elective requirements can be satisfied by completing either of the following options:		
9 credit hours of courses from Group 1 and 18 credit hours of courses from Group 2.		
15 credit hours of courses from Group 1 and 15 credit hours of courses from Group 2.		
Group 1		
9-15 credit hours of coursework from the following options:		
BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
MGMT 24000	Introduction to Information Systems	3
MGMT 26014	Excel for Professionals	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Group 2

15-18 credit hours of coursework from the following options:

BSC 32000	Plant Biology	4
BSC 35300	Microbiology	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 46500	General Ecology	4
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 45500	Instrumental Analysis	4
CHM 47200	Physical Chemistry II	3
CHM 47300	Physical Chemistry Lab	2
CSC 28500	Applied Discrete Structures	3
CSC 36000	Data Structures and Algorithms	3
CSC 45100	Cooperative Education in Computer Science I	3
CSC 45111	Internship	3
ECON 33040	Intermediate Microeconomics	3
ECON 33045	Intermediate Macroeconomics	3
ECON 43078	Econometrics	3
MGMT 36033	Business Analytics I	3
MGMT 46033	Business Analytics II	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3
MTH 48001	Mathematics Internship	1-3

Access data science minor here.

DATA ANALYSIS CERTIFICATE

15-20 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

The certificate in data analysis is designed to provide students with the skills needed to process, analyze, and present information obtained from large data sets.

Requirements

Certificate Coursework

9 credit hours of coursework from the following options:

DSCI 30100	Data Analysis with R	3
MGMT 26014	Excel for Professionals	3
MTH 34500	Regression Analysis	3

Statistics Coursework

3-4 credit hours of coursework from the following options:

MTH 14100 and MTH 24000	Basic Statistics (3) and Bridge Course: Statistics for Natural Science (1)	4
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MTH 24100	Statistics for Natural Science	3
PSY 30600	Behavioral Science Statistics	3

Elective Coursework

2-4 credit hours of coursework from the following options:

BSC 36600	Field Biology	3
BSC 40800	Genetics	4
BSC 46500	General Ecology	4
CHM 35500	Analytical Chemistry	4
ECON 43078	Econometrics	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
MGMT 36033	Business Analytics I	3
PSY 30400	Basic Research Methods	3
SW 42500	Social Work Research Methods I	2

Practical Application Coursework

1-3 credit hours of coursework from the following options:

CSC 45111	Internship	3
MTH 38901	Undergraduate Research	3
MTH 48001	Mathematics Internship	1-3

This project or internship should be taken as a capstone to the program, and should employ and build upon skills developed in other courses taken as part of the requirements of the certificate. The project or internship must be approved by the student’s advisor, as well as the department head of mathematics, computer science, and information technology.

Information Technology

INFORMATION TECHNOLOGY, BS APPLICATIONS DEVELOPMENT EMPHASIS

66 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

ICS 21300	Foundations of Information Technology	3
ICS 21400	Foundations of Networking	3
ICS 31000	Foundations of Cybersecurity	3
IIT 21500	Programming Logic and Design	3
IIT 22000	Hardware and Operating Systems	3
IIT 33500	Blockchain Technology for Business	3
IIT 35100	Database Analysis and Design Concepts	3

IIT 48100	Project Management in Information Technology	3
Emphasis Coursework		
36 credit hours of coursework from the following options:		
ICS 43200	Secure Software Development	3
IIT 31400	Agile Software Development	3
IIT 34020	Mobile Applications Programming	3
IIT 34050	C# Programming	3
IIT 37700	Fundamentals of HTML	3
IIT 37800	Applications in Web Development	3
IIT 41000	Systems Analysis and Design	3
IIT 45200	Database Application Implementation	3
IIT 47700	Fundamentals of User Interface Design	3
IIT 47800	Applications in Object-Oriented Web Development	3
IIT 47900	Applications in Multi-Tiered Web Programming	3
IIT 48900	Information Technology Capstone	3

General Education Mathematics Coursework

6 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
	Any GE-Math course.	3

INFORMATION TECHNOLOGY, BS NETWORKING EMPHASIS

60 credit hours

Requirements

Major Coursework

24 credit hours of coursework from the following options:

ICS 21300	Foundations of Information Technology	3
ICS 21400	Foundations of Networking	3
ICS 31000	Foundations of Cybersecurity	3
IIT 21500	Programming Logic and Design	3
IIT 22000	Hardware and Operating Systems	3
IIT 33500	Blockchain Technology for Business	3
IIT 35100	Database Analysis and Design Concepts	3
IIT 48100	Project Management in Information Technology	3

Emphasis Coursework

30 credit hours of coursework from the following options:

ICS 32300	Cisco I-Introduction to Networks	5
ICS 32301	Introduction to Networks Lab	1
ICS 32400	Cisco II-Routing and Switching Essentials	5
ICS 32401	Routing and Switching Lab	1
ICS 32500	Cisco III-Scaling Networks	5
ICS 32501	Scaling Networks Lab	1
ICS 43400	Network Management	3
IIT 36600	Fundamentals of Data Center Virtualization	3
IIT 36700	Fundamentals of Cloud Computing	3
IIT 48900	Information Technology Capstone	3

Students must be concurrently enrolled into the Cisco lecture course (5 credit hours) and lab (1 credit hour) with a few exceptions.

Students who are exempt from this policy:

1. Students who transfer one or more Cisco courses, with a C or better, from an accredited college or university or have passed one or more Cisco courses at Lindenwood University from a previous catalog are exempt from taking the concurrent lab course(s).
2. Students who have one or more current Cisco certifications and received experiential learning credits are also exempt from taking the concurrent lab course(s).

Concurrent courses:

1. ICS 32300 Cisco I - Introduction to Networks (5 credit hours) and ICS 32301 Introduction to Networks Lab (1 credit hour)
2. ICS 32400 Cisco II – Routing and Switching Essentials (5 credit hours) and ICS 32401 Routing and Switching Lab (1 credit hour)
3. ICS 32500 Cisco III - Scaling Networks (5 credit hours) and ICS 32501 Scaling Networks Lab (1 credit hour)

General Education Mathematics Coursework

6 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
	Any GE-Math course.	3

Mathematics

Mathematics majors can expect to work in jobs ranging from teaching high school, to pension consulting and risk analysis, to computer simulations, to statistical analysis. Other positions involve business development, systems analysis and design, and systems and networks operation. Mathematics provides a very strong background for the study of law, engineering, or economics. The greatest

strength of mathematics is in providing the firm foundation in the fundamental rules of abstraction and expression. Mathematics shapes the way one thinks about problems and hones one's ability for analytical thought. It provides excellent background to model data, determine optimal information, and understand spatial and temporal relationships.

The Bachelor of Arts in mathematics and the Bachelor of Science in mathematics prepare students for graduate studies in mathematics, bioinformatics, operations research, and management science. Other options include employment at large corporations as operations research personnel, computing researchers (with a computer science minor), and statisticians. The Bachelor of Arts in mathematics with secondary certification prepares students for a teaching career in high schools. The Bachelor of Arts in mathematics and the Bachelor of Science in mathematics with an actuarial studies emphasis are intended for students seeking jobs as actuaries in the insurance industry. The actuarial emphasis prepares students for the professional actuarial examinations offered by the Society of Actuaries. A minor in mathematics is often pursued by computer science majors. It supplements their education enabling them to work more efficiently as programmers in computer simulations.

Access the mathematics minor here (p. 198).

A student majoring in mathematics may also take a minor in engineering physics or participate in a pre-engineering program. Possible career paths include jobs with large aerospace, automobile, and electronic corporations. The pre-engineering program requires students to take the first two years at Lindenwood and complete the remainder of the degree in their chosen engineering specialty at an affiliated university. The program requires completion of a certain core of courses in mathematics, physics, computer science, chemistry and engineering. Access the pre-engineering (p. 188) section of this catalog for more information.

MATHEMATICS, BA

50 credit hours

Requirements

Major Coursework

38 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5

MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 32000	Abstract Algebra	3
PHY 30100	General Physics I	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Elective Coursework

9 credit hours of coursework from the following options:

MTH 31300	History of Mathematics	3
MTH 31600	Linear Algebra II	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3
MTH 33000	Geometry	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
MTH 35100	Numerical Methods	3
MTH 36100	Partial Differential Equations	3
MTH 37000	Advanced Calculus	3
MTH 38901	Undergraduate Research	3
MTH 39000-39999	Special Topics in Applied Mathematics	3
MTH 48001	Mathematics Internship	1-3
MTH 49000-49999	Special Topics in Mathematics	3

MATHEMATICS, BA ACTUARIAL STUDIES EMPHASIS

68 credit hours

Requirements

Major Coursework

38 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3

MTH 31500	Linear Algebra I	3
MTH 32000	Abstract Algebra	3
PHY 30100	General Physics I	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Emphasis Coursework

27 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
FIN 32000	Principles of Finance	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3

MATHEMATICS, BA STATISTICS EMPHASIS*54-57 credit hours***Requirements****Major Coursework**

38 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 32000	Abstract Algebra	3
PHY 30100	General Physics I	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
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CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Emphasis Coursework

12 credit hours of coursework from the following options:

DSCI 30100	Data Analysis with R	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3

Additional Requirements

1-3 credit hours of coursework.

In addition, the student must complete 1-3 credit hours of independent research or an internship course with an emphasis on data analysis. This project or internship should be taken as a capstone to the program, and should employ and build upon skills developed in other courses taken as part of the requirements of the certificate. The project or internship must be approved by the student's advisor, as well as the department head of mathematics, computer science, and information technology.

MATHEMATICS, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

See the requirements in the College of Education and Human Services section of this catalog. (p. 152)

Students seeking (Grades 9-12) certification must (1) earn a bachelor of arts in mathematics and (2) complete the requirements for a minor in education (Grades 9-12).

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

MATHEMATICS, BS*66 credit hours***Requirements****Major Coursework**

48 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5

MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 31600	Linear Algebra II	3
MTH 32000	Abstract Algebra	3
MTH 37000	Advanced Calculus	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Elective Coursework

15 credit hours of coursework from the following options:

MTH 31300	History of Mathematics	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3
MTH 33000	Geometry	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
MTH 35100	Numerical Methods	3
MTH 36100	Partial Differential Equations	3
MTH 38901	Undergraduate Research	3
MTH 39000-39999	Special Topics in Applied Mathematics	3
MTH 48001	Mathematics Internship	1-3
MTH 49000-49999	Special Topics in Mathematics	3

MATHEMATICS, BS ACTUARIAL STUDIES EMPHASIS

78 credit hours

Requirements

Major Coursework

48 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3

MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 31600	Linear Algebra II	3
MTH 32000	Abstract Algebra	3
MTH 37000	Advanced Calculus	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Emphasis Coursework

27 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
FIN 32000	Principles of Finance	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3

MATHEMATICS, BS RESEARCH EMPHASIS

70 credit hours

Requirements

Major Coursework

49 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3

MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 32000	Abstract Algebra	3
MTH 37000	Advanced Calculus	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Emphasis Coursework

18 credit hours of coursework from the following options:

MTH 31600	Linear Algebra II	3
MTH 32200	Abstract Algebra II	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 37100	Advanced Calculus II	3
MTH 38901	Undergraduate Research	3

MATHEMATICS, BS STATISTICS EMPHASIS

64-67 credit hours

Requirements

Major Coursework

48 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
MTH 31500	Linear Algebra I	3
MTH 31600	Linear Algebra II	3
MTH 32000	Abstract Algebra	3
MTH 37000	Advanced Calculus	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Computer/Data Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
CSC 10022	Introduction to Computer Science: Javascript	3
DSCI 11000	Introduction to Data Science	3

Emphasis Coursework

12 credit hours of coursework from the following options:

DSCI 30100	Data Analysis with R	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3

Additional Requirements

1-3 credit hours of coursework.

In addition, the student must complete 1-3 credit hours of independent research or an internship course with an emphasis on data analysis. This project or internship should be taken as a capstone to the program, and should employ and build upon skills developed in other courses taken as part of the requirements of the certificate. The project or internship must be approved by the student's advisor, as well as the department head of mathematics, computer science, and information technology.

Natural Sciences Department

Jennifer Firestine, PhD, Department Head

Biological Sciences

The Biological Sciences Program offers several different degrees to prepare students for a variety of interesting and fulfilling career opportunities. Many students who elect to major in the biological sciences are interested in pursuing careers in healthcare, such as physician, dentist, physicians' assistant, clinical laboratory scientist, and many others. For these students, the Bachelor of Science in biological sciences is the best degree choice. It is also the best preparation for students who plan to pursue graduate studies in biology and related fields. Many students who elect to major in biological sciences because they plan to teach at the high school level. For those students, the Biological Sciences Program offers the Bachelor of Arts in biological sciences with certification in secondary education which prepares students to teach high school biology.

Students who plan to enter the workforce immediately after earning a bachelor's degree often pursue the Bachelor of Arts in biological sciences. These graduates find employment in testing and research labs in a variety of industry and academic settings.

Access biological sciences minor here. (p. 194)

BIOLOGICAL SCIENCES, BA*64 credit hours***Requirements**

Major Coursework

54 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
BSC 28500	Methods and Writing for Biology	1
BSC 32000	Plant Biology	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 46500	General Ecology	4
BSC 48800	Genetics of Evolution	2
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
MTH 15100	College Algebra	3
MTH 15200	Pre-calculus: Elementary Functions	3
MTH 24100	Statistics for Natural Science	3

Additional BSC Coursework

4 credit hours of coursework from the following options:

BSC 34100	Vertebrate Zoology	4
BSC 36400	Entomology	4

Biological Sciences Elective Coursework

6 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
BSC 23000	Microbiology for Health Sciences	4
ESC 26300/BSC 26300	Environmental Policy	3
BSC 28000	Introduction to Clinical Laboratory Science	3
BSC 30200	Biometry I: Introduction to R	2
BSC 35300	Microbiology	4
BSC 35800	Parasitology	3

BSC 36200	Advanced Environmental Biology	4
BSC 36400	Entomology	4
BSC 36600	Field Biology	3
BSC 36800	Biology in Society	2
BSC 37400	Embryogenesis	3
BSC 41300	Immunology	3
BSC 42200/CHM 42200	Biochemistry: Metabolism	4
BSC 48000	Independent Research	1-6
BSC 48400	Biological Sciences Internship	1-3

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department. Additional credits will be required to meet the university 42 credit minimum of 30000 or higher level courses and may be fulfilled with Biological Sciences or other department electives.

**BIOLOGICAL SCIENCES, BA 9-12
SECONDARY EDUCATION
CERTIFICATION PREPARATION**

See the requirements in the College of Education and Human Services section of this catalog. (p. 145)

Students seeking (Grades K-12) certification must (1) earn a bachelor of arts in biological sciences and (2) complete the requirements for a minor in education (Grades K-12).

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

BIOLOGICAL SCIENCES, BS*76-78 credit hours***Requirements**

Major Coursework

56 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
BSC 28500	Methods and Writing for Biology	1

BSC 32000	Plant Biology	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 46500	General Ecology	4
BSC 48800	Genetics of Evolution	2
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
MTH 24100	Statistics for Natural Science	3

MTH and PHY Coursework

10-12 credit hours of coursework from the following options:

Option 1

MTH 17300	Survey of Calculus	4
PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4

or

Option 2

MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Additional BSC Coursework

4 credit hours of coursework from the following options:

BSC 34100	Vertebrate Zoology	4
BSC 36400	Entomology	4

Elective Coursework

6 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
ESC 26300/BSC 26300	Environmental Policy	3
BSC 28000	Introduction to Clinical Laboratory Science	3
BSC 30200	Biometry I: Introduction to R	2
BSC 35300	Microbiology	4
BSC 35800	Parasitology	3
BSC 36200	Advanced Environmental Biology	4
BSC 36400	Entomology	4
BSC 36600	Field Biology	3
BSC 36800	Biology in Society	2
BSC 37400	Embryogenesis	3
BSC 41300	Immunology	3

BSC 42200/CHM 42200	Biochemistry: Metabolism	4
BSC 48000	Independent Research	1-6
BSC 48400	Biological Sciences Internship	1-3

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department. Additional credits will be required to meet the university 42 credit minimum of 30000 or higher level courses and may be fulfilled with biological sciences or other department electives.

CELLULAR AND MOLECULAR BIOLOGY, BS

Requirements

68-70 credit hours

Major Coursework

26 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
BSC 28500	Methods and Writing for Biology	1
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 48800	Genetics of Evolution	2

Biological Sciences Elective Coursework

10 credit hours of coursework from the following options:

BSC 28000	Introduction to Clinical Laboratory Science	3
BSC 30200	Biometry I: Introduction to R	2
BSC 35300	Microbiology	4
BSC 35800	Parasitology	3
BSC 36800	Biology in Society	2
BSC 37400	Embryogenesis	3
BSC 41300	Immunology	3
BSC 42200/CHM 42200	Biochemistry: Metabolism	4
BSC 48000	Independent Research	1-6
BSC 48400	Biological Sciences Internship	1-3

Students may use up to 6 credit hours of BSC 48000 for this requirement.

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department.

Chemistry and Mathematics Coursework

22 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
MTH 24100	Statistics for Natural Science	3

Additional Coursework

10-12 credit hours of coursework from the following options:

Choose one of the following two course sets:

Option 1

MTH 17300	Survey of Calculus	4
PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4

or

Option 2

MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

ECOLOGY AND EVOLUTIONARY BIOLOGY, BS

68-70 credit hours

Requirements

Major Coursework

26 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
BSC 28500	Methods and Writing for Biology	1
BSC 40800	Genetics	4
BSC 46400	Evolution	3
BSC 46500	General Ecology	4
BSC 48800	Genetics of Evolution	2

Chemistry and Mathematics Coursework

22 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3

CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
MTH 24100	Statistics for Natural Science	3

Biological Sciences Elective Coursework

10 credit hours of coursework from the following options:

BSC 30200	Biometry I: Introduction to R	2
BSC 32000	Plant Biology	4
BSC 34100	Vertebrate Zoology	4
BSC 35800	Parasitology	3
BSC 36200	Advanced Environmental Biology	4
BSC 36400	Entomology	4
BSC 36600	Field Biology	3
BSC 36800	Biology in Society	2
BSC 48000	Independent Research	1-6
BSC 48400	Biological Sciences Internship	1-3

Students may use up to 6 credit hours of BSC 48000 for this requirement.

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department.

Additional Coursework

10-12 credit hours of coursework from the following options:

Choose one of the following two course sets:

Option 1

MTH 17300	Survey of Calculus	4
PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4

or

Option 2

MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Chemistry

The field of chemistry offers diverse opportunities for those students graduating with a major in chemistry. Degrees in chemistry prepare students for careers in industry, teaching, and graduate school programs and may be used as a pre-professional program for students wishing to apply for medical, dental, optometry, veterinary, or related programs.

Those graduates who culminate their education with a bachelor's degree will be prepared for opportunities in the chemical industry in either the laboratory, sales, or product development areas. Students looking to teach chemistry and other sciences in high schools will benefit from one of the various degree plans offering Missouri state certification in secondary education. Those students who wish to extend their education should choose to pursue one

of the Bachelor of Science degrees, which are more appropriately suited for graduate work in chemistry and biochemistry. The Bachelor of Science with an emphasis in biochemistry is well-suited as a pre-health science degree, requiring a number of the chemistry, math, and biology courses required by such professional programs.

A minor in chemistry is an ideal complement for those students pursuing degrees in criminal justice, business administration, biology, or psychology. The minor also opens additional career opportunities for post-graduate careers in the fields of forensics, pharmaceutical sales, patent law, and healthcare administration.

Access biochemistry minor here. (p. 194)

Access chemistry minor here. (p. 195)

Typical Coursework

Majors in chemistry are required to complete significant coursework in math, chemistry, and physics as well as biology for the biochemistry emphasis. Typically, the major requires that the student participate in at least one lab course per semester with many semesters in which multiple lab courses are required. Chemistry is an exciting field that focuses on critical thinking through both qualitative and quantitative problems that are applicable to real world scenarios, ranging from energy consumption and environmental issues to pharmaceuticals and criminal investigations. Majors should enjoy both math and science courses and should be prepared to work outside of the classroom on course assignments, lab work, and reports.

BIOCHEMISTRY, BS

73 credit hours

Requirements

Major Coursework

61 credit hours of coursework from the following options:

BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 40400	Cell Biology	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 42100	Biochemistry: Structure and Mechanism	4

CHM 42200/BSC 42200	Biochemistry: Metabolism	4
CHM 45500	Instrumental Analysis	4
CHM 47100	Physical Chemistry I	3
CHM 48500	Chemistry Seminar	1
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Additional BSC Coursework

4 credit hours of coursework from the following options:

BSC 35300	Microbiology	4
BSC 40800	Genetics	4

Physics Coursework

8 credit hours of coursework from one of the following options:

Option 1		
PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4
or		
Option 2		
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

CHEMISTRY, BA

52-53 credit hours

Requirements

Major Coursework

38 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 48500	Chemistry Seminar	1
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5

Additional CHM Coursework

3-4 credit hours of coursework from the following options:

CHM 45500	Instrumental Analysis	4
CHM 47100	Physical Chemistry I	3

Physics Coursework

8 credit hours of coursework from one of the following options:

Option 1

PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4

or

Option 2

PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Elective Coursework

3 credit hours of coursework from the following options:

CHM 31100	Applications in Forensic Science	3
CHM 38500	Medicinal Chemistry	3
CHM 42100	Biochemistry: Structure and Mechanism	4
CHM 42200/BSC 42200	Biochemistry: Metabolism	4
CHM 44000	Inorganic Chemistry	4
CHM 47200	Physical Chemistry II	3
CHM 47300	Physical Chemistry Lab	2
CHM 48000	Chemistry Internship	1-6
CHM 48900	Independent Research	1-6

CHEMISTRY, BA FORENSICS EMPHASIS

77 credit hours

Requirements**Major Coursework**

77 credit hours of coursework from the following options:

AAD 18101	Digital Photography I	3
BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
BSC 24400	Introduction to Cellular and Molecular Biology	4
CCJ 11000	Criminal Justice Systems	3
CCJ 20000	Criminology	3
CCJ 30100	Criminal Law and Procedure	3
CCJ 33100	Criminal Investigation	3
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 31100	Applications in Forensic Science	3

CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 45500	Instrumental Analysis	4
CHM 48000	Chemistry Internship	1-6
CHM 48500	Chemistry Seminar	1
MTH 17300	Survey of Calculus	4
MTH 24100	Statistics for Natural Science	3
PHY 25100	Introductory Physics I	4
PHY 25200	Introductory Physics II	4

Students must complete at least 3 credit hours of coursework in CHM 48000 to meet the requirement.

CHEMISTRY, BA 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

See the requirements in the College of Education and Human Services section of this catalog. (p. 147)

Students seeking (Grades 9-12) certification must (1) earn a bachelor of arts in chemistry and (2) complete the requirements for a minor in education (Grades 9-12).

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

See the School of Education regarding EDU courses.

CHEMISTRY, BS (ACS ACCREDITED)

81 credit hours

Requirements**Major Coursework**

81 credit hours of coursework from the following options:

BSC 24400	Introduction to Cellular and Molecular Biology	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 30000	Introduction to Chemical Literature and Laboratory Safety	1
CHM 33300	Polymer Chemistry	3
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4

CHM 42100	Biochemistry: Structure and Mechanism	4
CHM 44000	Inorganic Chemistry	4
CHM 45500	Instrumental Analysis	4
CHM 47100	Physical Chemistry I	3
CHM 47200	Physical Chemistry II	3
CHM 47300	Physical Chemistry Lab	2
CHM 48500	Chemistry Seminar	1
CHM 48900	Independent Research	1-6
MTH 24100	Statistics for Natural Science	3
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 30300	Calculus III	5
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Students must complete at least 3 credit hours of coursework in CHM 48900 to meet the requirement.

CHEMISTRY, BS 9-12 SECONDARY EDUCATION CERTIFICATION PREPARATION

See the requirements in the College of Education and Human Services section of this catalog. (p. 148)

Students seeking (Grades 9-12) certification must (1) earn a bachelor of science in chemistry and (2) complete the requirements for a minor in education (Grades 9-12).

Note: Students seeking grades K-12 or 9-12 certification will work with one professional advisor when admitted to Lindenwood. Upon completion of a number of successful terms at Lindenwood, students pursuing grades K-12 or 9-12 certification will transition to a content area advisor and an advisor from the College of Education and Human Services to ensure all DESE requirements for certification have been met. These requirements may exceed the requirements for the degree in the content area.

Environmental Sciences

The Earth Sciences Program offers a Bachelor of Science degree in environmental science, as well as courses in earth sciences. A degree in environmental sciences provides students with the necessary skill sets to find a job related to the environment in business, industry or a regulatory agency, or as preparation for further training in graduate school. This degree prepares students in the physical and chemical processes related to the environment that allows them to perform a variety of tasks required of environmental scientists, such as: project planning; data acquisition; physical and chemical analysis of samples to identify threats to the environment; data processing and analysis; assessment of potential environmental hazards and health risks; environmental remediation techniques and their evaluation; preparation of technical reports and presentations to explain environmental findings.

Additionally, the curriculum offered in earth sciences meets or provides the following:

- Requirements for secondary science teachers when demand for science educators is at an all-time high.
- Additional flexibility in meeting the general education science requirements for all undergraduates.
- New opportunities for undergraduates interested in environmental science.

ENVIRONMENTAL SCIENCE, BS

74 credit hours

Requirements

Major Coursework

64 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4
BSC 24800	Introduction to Ecology and Evolution	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
ESC 10000	Physical Geology with Lab	4
ESC 11200	Fundamentals of Environmental Science	4
ESC 26300/BSC 26300	Environmental Policy	3
ESC 32000	Hydrology	3
ESC 33000	Fundamentals of Soil Science	4
ESC 34000	Environmental Sampling and Data Management	3
ESC 40000	Hydrogeology	3
ESC 41000	Environmental Fate of Contaminants	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
MTH 17300	Survey of Calculus	4
MTH 24100	Statistics for Natural Science	3
PHY 25100	Introductory Physics I	4

Additional CHM Coursework

4 credit hours of coursework from the following options:

CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4

Elective Coursework

6 credit hours of coursework from the following options:

BSC 32000	Plant Biology	4
BSC 36200	Advanced Environmental Biology	4
BSC 36600	Field Biology	3
BSC 46500	General Ecology	4
ENV 45000	Environmental Internship	3-9
ESC 35000	Hazardous Waste Management	3
ESC 39000-39999	Special Topics in Environmental Science	1-9
ESC 42000	Environmental Toxicology and Risk Assessment	3

Alternatively, other 30000-level or above courses may be an accepted elective with prior approval by the department. Additional credits will be required to meet the university 42 credit minimum of 30000 or higher-level courses and may be fulfilled with Environmental Sciences or other department electives.

Physics

Courses in physics are offered in the College of Science, Technology, and Health in support of majors in other academic programs. No physics major is offered at this time. However, a minor in engineering physics is offered, which requires the completion of 38 credit hours of coursework.

Access engineering physics minor here. (p. 197)

Pre-Engineering

Students can take the first two or three years of their pre-engineering program at Lindenwood and complete the remainder of their degree in their chosen engineering specialty at an affiliated university. Depending on the program, the student can either obtain a single degree in engineering or two degrees: one from Lindenwood in the student's major and an engineering degree from the affiliated university. Engineering programs typically require completion of a certain core of courses in mathematics, physics, computer science, chemistry and engineering. Since the specific core course requirement depends upon the engineering specialty and the engineering degree desired from the transfer university, each pre-engineering student should contact a Lindenwood Liaison Officer for Engineering as an advisor so that the student will be on track for his or her program. Note that any student intending to finish at Lindenwood in the given number of years must be prepared to take MTH 27100 (Calculus I) during the first semester.

Pre-Engineering Transfer/Articulation Agreements

Lindenwood University has Transfer/Articulation agreements in place with engineering programs at the

following universities: Missouri University of Science and Technology, and Washington University in St. Louis. Students should meet with a Lindenwood Liaison Officer for Engineering to discuss the specific requirements for each transfer university.

PRE-ENGINEERING MINOR

40-42 credit hours

Requirements**Minor Coursework**

36 credit hours of coursework from the following options:

CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CSC 14400	Computer Science I	4
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Minor Coursework Addl

6-8 credit hours of coursework from the following options:

BSC 24400	Introduction to Cellular and Molecular Biology	4
CHM 23200 and CHM 24200	General Chemistry 3 Lecture (3) and General Chemistry 3 Lab (1)	4
CHM 36100	Organic Chemistry I	4
MTH 31500	Linear Algebra I	3
PHY 30300	Modern Physics	3

Note: CHM 47200 Physical Chemistry II (3 credits) may be substituted in place of PHY 30300 (3 credit hours).

Pre-Professional Studies in Health Sciences

Lindenwood University offers several pre-professional programs for students planning careers in engineering or one of many health professions: athletic training, chiropractic, dentistry, medicine, optometry, pharmacy, physical or occupational therapy, physician's assistant, allied health sciences, or veterinary medicine.

Pre-professional programs are not academic majors; rather, they are a curriculum of prerequisite coursework that will allow a student to become a qualified candidate for an appropriate professional school. It is important to note that students in any major can pursue admission to professional schools upon graduation. Acceptance to professional programs is very competitive; therefore, it is important for students to choose a major within their area of interest so they can maintain a competitive GPA. Students should

strive to maintain a GPA at or above 3.50 to be competitive for acceptance into professional programs.

Additionally, many professional programs will require shadowing/service hours for application. Pre-professional students should seek out opportunities to shadow professionals in their career field, conduct research with Lindenwood faculty, and/or get involved in campus and community activities. All of these opportunities can be pursued as early as freshman year and will not only make for a more competitive application, but will give the student a greater perspective of their chosen field.

It is important for students connect with their advisor so they can help tailor a 4-year degree plan and discuss extracurricular opportunities to meet all the application requirements of the schools and programs to which the students aspires.

NURSING/ALLIED HEALTH PROFESSION INTEREST AREA

Lindenwood University offers partnerships with area nursing programs for degree completion. Lindenwood is also embarking on its own bachelor's in nursing (BSN) degree program, expected to enroll the first cohort Fall 2025 (pending all accreditation approvals). Students would enter the Lindenwood program as a junior, like existing partnership programs, via a selective admission process.

Note: All Missouri nursing program have seat limitations which the Missouri State Board of Nursing approves. In that regard, most programs use a selective admission process to select candidates.

Below is a program plan that will prepare a student for entry into the Lindenwood's future nursing program, and also meets requirements for many other area nursing programs.

University General Education Core Requirements

UNIV 10100	First-Year Seminar	1
ENGL 15000	Composition I	3
ENGL 17000	Composition II	3
GE-Human Culture	U.S. History/Government	3
GE-Human Culture	Arts	3
GE-Human Culture	Literature	3
GE-Human Culture	Elective I: Non Arts/Lit	3
GE-Human Culture	Elective II: Any	3

University General Education Science/Social Science/Math Requirements

MTH 14100	- Basic Statistics	3
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MTH 15100	- College Algebra	3
BSC 22700	- Human Anatomy and Physiology I	4
BSC 22800	- Human Anatomy and Physiology II	4
EXS 24000	- Nutrition Throughout the Lifecycle	3
PSY 20500	- Human Development	3
SOC 10200	- Basic Concepts of Sociology	3

3 credit hours of coursework from the following options:

PHS 20000	- Foundations of Public Health	3
PSY 10000	- Principles of Psychology	3

Students must have equivalent of CHM 23000 from high school, or required to take CHM 10000 or CHM 23000.

Students are expected to have equivalent of 1-year high school Biology, or required to take BSC 10000.

Core Foundational Requirements for Nursing

HFS 18500	- Medical Terminology	2
BSC 23000	- Microbiology for Health Sciences	4
COM 21301	- Interpersonal Communication	3
HS 20000	- Introduction to the Caring Health and Wellness Professions	3
HS 22000	- Medication Dosage Calculation	1

PRE-CHIROPRACTIC

Lindenwood University offers a 3+3 degree program in association with Logan College of Chiropractic. Essentially, students follow the Lindenwood curriculum for a Bachelor of Science in biological sciences or exercise science. If the student is accepted into Logan College after the third year at Lindenwood, the student will transfer to Logan for the fourth year. After completing the first year of study at Logan, the student will earn the Bachelor of Science in biological sciences or exercise science from Lindenwood University. Two additional years of study at Logan College are required to earn a Doctor of Chiropractic. Students who are interested in this program must work closely with an academic advisor in order to complete the curriculum requirements in the prescribed sequence. Students should also contact Logan College by the second year at Lindenwood to obtain updated information on admission and application requirements.

PRE-MEDICINE/PRE-DENTISTRY/PRE-OPTOMETRY/PRE-VETERINARY MEDICINE

The majority of the health professions schools expect the student to have successfully completed the following courses, preferably at a four-year college or university:

English: two semesters

General Chemistry with lab: two semesters

General Biology with lab: two semesters

Physics: two semesters

Organic Chemistry: two semesters

Students must also complete an entrance test (MCAT, GRE, DAT or OAT).

Many health professions schools require or strongly recommend other courses such as biochemistry, cell/molecular biology, genetics, microbiology, statistics, calculus, humanities, fine arts, and social science. Students who want to prepare themselves for admission to one of these professional programs should meet with a biology or chemistry advisor before planning their first semester schedule.

PRE-OCCUPATIONAL THERAPY

As a Lindenwood University pre-occupational therapy student, you will typically major in exercise science (p. 168), psychology (p. 192), or therapeutic recreation. Occupational therapy schools may have a variety of prerequisite courses; however, typical prerequisite courses for occupational therapy schools are:

- BSC 10000 Concepts in Biology
- BSC 22700 Human Anatomy and Physiology I
- BSC 22800 Human Anatomy and Physiology II
- CHM 10000 Concepts in Chemistry
- HFS 18500 Medical Terminology
- MTH 14100 Basic Statistics
- PSY 10000 Principles of Psychology
- PSY 20500 Human Development
- PSY 30300 Abnormal Psychology

While these are generally the prerequisite courses for a majority of occupational therapy schools, if you have specific occupational therapy schools in mind, it is recommended that you should work with your advisor to make sure that you complete any specific prerequisite courses that are required by that school.

Additionally, the exercise science department has occupational therapy articulation agreements with Rockhurst University and Washington University in St. Louis that can assist in your transition to occupational therapy school after the completion of your undergraduate degree.

Professional Resources

Accreditation Council for Occupational Therapy Education (ACOTE)

American Occupational Therapy Association

Missouri Occupational Therapy Association

Occupational Therapy Centralized Application Service (OTCAS)

Graduate Record Examination (GRE)

PRE-PHYSICAL THERAPY

As a Lindenwood University pre-physical therapy student, you will typically major in exercise science or biological sciences. Physical therapy schools may have a variety of prerequisite courses; however, typical prerequisite courses for physical therapy schools are:

- BSC 22700 Human Anatomy and Physiology I
- BSC 22800 Human Anatomy and Physiology II
- BSC 24200 Introduction to Biodiversity and BSC 24300 Introduction to Biodiversity Laboratory
- BSC 24400 Introduction to Cellular and Molecular Biology
- CHM 23000 General Chemistry 1
- CHM 23100 General Chemistry 2 & CHM 24100 General Chemistry 2 laboratory
- CHM 23200 General Chemistry 3 & CHM 24200 General Chemistry 3 laboratory
- MTH 14100 Basic Statistics
- MTH 15200 Pre-calculus: Elementary Functions (prerequisite for PHY 25100)
- PHY 25100 Introduction to Physics I
- PHY 25200 Introduction to Physics II
- PSY 10000 Principles of Psychology
- PSY 30300 Abnormal Psychology

While these are generally the prerequisite courses for a majority of physical therapy schools, if you have specific physical therapy schools in mind, it is recommended that you should work with your advisor to make sure that you complete any specific prerequisite courses that are required by that school.

Additionally, the exercise science department has a physical therapy articulation agreement with Rockhurst University that can assist in your transition to physical therapy school after the completion of your undergraduate degree. For more information regarding pre-physical therapy, visit [here](#).

Professional Resources

Commission on Accreditation in Physical Therapy Education (CAPTE)

American Physical Therapy Association

Missouri Physical Therapy Association

Physical Therapy Centralized Application Service (PTCAS)

Graduate Record Examination (GRE)

Social and Behavioral Sciences Department

Department reorganization (adding Psychology and Sociology) and Department title revision after publishing — July Addendum — 7/19/2024

Pernell Witherspoon, PhD, Department Head

Criminology and Criminal Justice

Criminology and criminal justice are distinct yet overlapping disciplines. Criminology is the scientific study of crime, its causes, and the criminal justice system, while criminal justice is the academic study of key components of the system including legal, law enforcement, court and corrections. Both consider the nature and extent of crime and the response of criminal justice agencies to law violations. A degree in criminology and criminal justice prepares students for a multitude of careers in the legal field, public administration, law enforcement (local, state and federal), the courts, corrections including probation and parole, juvenile delinquency, government, and community service organizations. A criminology and criminal justice degree from Lindenwood University is also an excellent choice for those who plan to pursue a graduate degree in law, the social sciences, or a career researching crime, criminal offenders, or any aspect of the criminal justice system.

For students who have graduated from a police academy with 900 or more contact hours, a total of 15 credit hours may be applied toward the law enforcement academy emphasis. See the “Earning Credits through Experiential Learning or Professional Experience” section of this catalog for further.

Access criminology and criminal justice minor here. (p. 196)

CRIMINOLOGY AND CRIMINAL JUSTICE, BA

51 credit hours

Requirements

Major Coursework

27 credit hours of coursework from the following options:

CCJ 11000	Criminal Justice Systems	3
CCJ 20000	Criminology	3
CCJ 30000	Policing in America	3
CCJ 30100	Criminal Law and Procedure	3
CCJ 30500	Corrections	3
CCJ 32000	Race, Crime, and Punishment	3
CCJ 33300	Research Methods for Criminology and Criminal Justice	3
CCJ 44000	Senior Seminar in Criminal Justice	3
MTH 14100	Basic Statistics	3
Criminology and Criminal Justice Elective Coursework		
24 credit hours of coursework from the following options:		
CCJ 20500	Criminal Justice Observation	1
CCJ 22500	Comparative Crime and Justice Studies	3
CCJ 24000-24999	Special Topics in Criminology and Criminal Justice	1-3
CCJ 25000	Understanding Police Use of Force	3
CCJ 31000	Forensic Anthropology: An Introduction	3
CCJ 31100	The Juvenile Justice System	3
CCJ 31500	Victimology	3
CCJ 32100	White-Collar Crime	3
CCJ 32200/SOC 32200	Social Deviance	3
CCJ 32600/SOC 32600	Drugs and Society	3
CCJ 33100	Criminal Investigation	3
CCJ 33500	Cyber Crime	3
CCJ 33800	Criminal Minds	3
CCJ 33900	History of Criminal Justice	3
CCJ 34000-34999	Special Topics in Criminology and Criminal Justice	3
CCJ 35005	Women, Crime, and the Law	3
CCJ 35500	Criminal Justice Ethics	3
CCJ 39000-39999	Special Topics in Criminology and Criminal Justice	1-6
CCJ 45000	Practicum in Criminology and Criminal Justice	3-6

CRIMINOLOGY AND CRIMINAL JUSTICE, BA LAW ENFORCEMENT ACADEMY EMPHASIS

51 credit hours

Requirements

Major Coursework

45 credit hours of coursework from the following options:

CCJ 11000	Criminal Justice Systems	3
CCJ 20000	Criminology	3
CCJ 24500	Police Academy Preparatory	3
CCJ 30000	Policing in America	3
CCJ 30100	Criminal Law and Procedure	3
CCJ 30500	Corrections	3
CCJ 32000	Race, Crime, and Punishment	3
CCJ 33300	Research Methods for Criminology and Criminal Justice	3
CCJ 44000	Senior Seminar in Criminal Justice	3
CCJ 46000	St. Louis County and Municipal Police Academy	15
MTH 14100	Basic Statistics	3

Criminology and Criminal Justice Major Electives

6 credit hours of coursework from the following options:

CCJ 20500	Criminal Justice Observation	1
CCJ 22500	Comparative Crime and Justice Studies	3
CCJ 24000- 24999	Special Topics in Criminology and Criminal Justice	1-3
CCJ 25000	Understanding Police Use of Force	3
CCJ 31000	Forensic Anthropology: An Introduction	3
CCJ 31100	The Juvenile Justice System	3
CCJ 31500	Victimology	3
CCJ 32100	White-Collar Crime	3
CCJ 32200/SOC 32200	Social Deviance	3
CCJ 32600/SOC 32600	Drugs and Society	3
CCJ 33100	Criminal Investigation	3
CCJ 33500	Cyber Crime	3
CCJ 33800	Criminal Minds	3
CCJ 33900	History of Criminal Justice	3
CCJ 34000- 34999	Special Topics in Criminology and Criminal Justice	3
CCJ 35005	Women, Crime, and the Law	3
CCJ 35500	Criminal Justice Ethics	3
CCJ 39000- 39999	Special Topics in Criminology and Criminal Justice	1-6
CCJ 45000	Practicum in Criminology and Criminal Justice	3-6

Psychology

The Bachelor of Science in psychology is a versatile degree that prepares graduates for lifelong learning and a variety of different career paths. Features of the major include introduction and development of skills in problem-solving, critical thinking, information-gathering and synthesis, inter- and intrapersonal communication, research, and statistical reasoning. The field's knowledge base regarding human behavior is pertinent to virtually all careers that entail interactions with people. Students with a bachelor's degree in psychology commonly enter careers in the fields of human services, business, human resources, education, and criminal justice. Our graduates also pursue graduate study in a variety of fields, including counseling, psychology, social work, law, healthcare, business, and education. Lindenwood University offers both a Bachelor of Science in psychology and a minor in psychology.

Access psychology minor here. (p. 199)

PSYCHOLOGY, BS

42 credit hours

Requirements

Major Coursework

12 credit hours of coursework from the following options:

PSY 10000	Principles of Psychology	3
PSY 30400	Basic Research Methods	3
PSY 30600	Behavioral Science Statistics	3
PSY 48500	Senior Seminar	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Clinical Psychology Coursework

6 credit hours of coursework from the following options:

PSY 30300	Abnormal Psychology	3
PSY 30900	Personality	3
PSY 31100	Behavior Modification	3
PSY 32100	Health Psychology	3
PSY 32400	Psychological Testing	3
PSY 34100	Psychotherapy	3
PSY 35100	Understanding Depression	3

Experimental Psychology Coursework

6 credit hours of coursework from the following options:

PSY 31500	Psychology of Prejudice	3
PSY 32500	Behavioral Neuroscience	3
PSY 32600	Sensation and Perception	3
PSY 33000	Learning and Memory	3
PSY 33100	Cognitive Psychology	3

PSY 33200	Psychology of Motivation and Emotion	3
PSY 33400	Social Psychology	3

Developmental Psychology Coursework

6 credit hours of coursework from the following options:

PSY 20500	Human Development	3
PSY 20800	Child Psychology	3
PSY 21000	Psychology of Parenting	3
PSY 31200	Psychology of Aging	3
PSY 31300	Psychology of Adolescence	3
PSY 36500	Human Sexuality	3

General Psychology Coursework

6 credit hours of coursework from the following options:

PSY 15700	Psychology of Leadership	3
PSY 18100	Cultural Psychology	3
PSY 21200	Japanese Culture, Society, and Mind	3
PSY 21500	Careers in Psychology	3
PSY 23500	Death, Dying, Life, & Living	3
PSY 29000-29999	Special Topics in Psychology	1-6
PSY 30800	Psychology of Women & Gender	3
PSY 39000-39999	Special Topics in Psychology	1-6
PSY 40440	Advanced Research Methods & Statistics	3
PSY 45000	Psychology Practicum	3
PSY 48000	Psychology Research Lab	1-6
PSY 48300	Senior Thesis	4

Elective Coursework

3 credit hours of PSY coursework at the 30000- or 40000-level.

Sociology

The Bachelor of Arts in Sociology provides students with a broad global perspective for understanding society and its relationship to individual and group behavior. The courses within this degree program will help prepare students for a broad range of careers in law, government service, business, counseling, journalism, social services, urban policy development, teaching, international relations, consulting, and statistical survey research.

Access sociology minor here. (p. 201)

SOCIOLOGY, BA

37-40 credit hours

Requirements

Major Coursework

10 credit hours of coursework from the following options:

SOC 10200	Basic Concepts of Sociology	3
SOC 21100	Introduction to Applied Sociology	3
SOC 42000	Sociological Theory	3
SOC 46000	Senior Capstone in Sociology	1

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Methods Coursework

3-6 credit hours of coursework from the following options:

CCJ 33300	Research Methods for Criminology and Criminal Justice	3
PSY 30400 and PSY 30600	Basic Research Methods (3) and Behavioral Science Statistics (3)	6

Sociology Elective Coursework

15 credit hours of coursework from the following options:

SOC 21400	The Family	3
SOC 22000	Social Problems	3
SOC 29000-29999	Special Topics in Sociology	1-6
SOC 30400	The Sociology of Gender Roles	3
SOC 31800	Race, Ethnicity, and Gender	3
SOC 32100	Urban Sociology	3
SOC 32200/CCJ 32200	Social Deviance	3
SOC 33500	Sociology of Sport	3
SOC 39000-39999	Special Topics in Sociology	1-6
SOC 40000	Undergraduate Research	3
SOC 45000	Internship in Sociology	3-9
SOC 48900	Honors Project	6

Concentration Elective Coursework

6 credit hours of coursework from the following options:

CCJ 32000	Race, Crime, and Punishment	3
DSCI 30100	Data Analysis with R	3
GEO 10300	Human Geography	3
GEO 20000	Introduction to Geographic Information Systems (GIS)	3
GS 20101	A Global Introduction to Gender Studies	3
GS 30000	Gender Theory	3
HIST 33100	History of Gender in America	3
HIST 33400	History of Racism in America	3
HRM 36510	Human Resource Management	3

MGMT 36050	Organizational Behavior	3
MRKT 35010	Principles of Marketing	3
MTH 34500	Regression Analysis	3
PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3
PSY 10000	Principles of Psychology	3
PSY 33400	Social Psychology	3
SOC 32600/CCJ 32600	Drugs and Society	3
SW 24000	Human Diversity and Social Justice	3
SW 37000	Human Behavior in the Social Environment I	3

College of Science, Technology, and Health Minors

ADAPTED SPORT AND RECREATION MINOR

24 credit hours

Requirements

Minor Coursework

9 credit hours of coursework from the following options:

HFS 40000	Adapted Physical Education	3
REC 31000	Inclusive and Therapeutic Recreation	3
REC 32000	Adapted Sports and Therapeutic Recreation Activities	3

Program Design Coursework

3 credit hours of coursework from the following options:

EXS 43000	Physical Activity for Specific Populations	3
REC 33300	Program Design and Assessment in Recreation Therapy	3

Practical Application Coursework

3 credit hours of coursework from the following options:

EXS 44000	Internships	3-6
HFS 45000	Internship	3-6
REC 38500/HFS 35000	Practicum	1-3

Elective Coursework

6 credit hours of coursework from the following options:

HFS 35000/REC 38500	Practicum	1-3
PHS 22000	Public Health and Social Justice	3

REC 31100	Processes & Techniques in Therapeutic Recreation	3
REC 31300	Professional Issues and Current Trends in Therapeutic Recreation	3
REC 31400	Assessment Techniques in Therapeutic Recreation	3
REC 34200	Camp Management and Leadership	3
REC 36200	Program Design and Event Management	3
REC 38100	Recreation Facility Design and Operation	3
SOC 33500	Sociology of Sport	3

Psychology Coursework

3 credit hours of coursework from the following options:

PSY 20500	Human Development	3
PSY 30300	Abnormal Psychology	3

BIOCHEMISTRY MINOR

27 credit hours

Requirements

Minor Coursework

27 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 23200	General Chemistry 3	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 24200	General Chemistry 3 Laboratory	1
CHM 36100	Organic Chemistry I	4
CHM 36200	Organic Chemistry II	4
CHM 42100	Biochemistry: Structure and Mechanism	4
CHM 42200/BSC 42200	Biochemistry: Metabolism	4

BIOLOGICAL SCIENCES MINOR

37-38 credit hours

Requirements

Minor Coursework

34 credit hours of coursework from the following options:

BSC 24200	Introduction to Biodiversity	3
BSC 24300	Introduction to Biodiversity Laboratory	1
BSC 24400	Introduction to Cellular and Molecular Biology	4

BSC 24800	Introduction to Ecology and Evolution	4
BSC 40400	Cell Biology	4
BSC 40800	Genetics	4
CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
MTH 24100	Statistics for Natural Science	3

Elective Coursework

3-4 credit hours of coursework from the following options:

BSC 46400	Evolution	3
BSC 46500	General Ecology	4

CHEMISTRY MINOR

22 credit hours

Requirements

Minor Coursework

19 credit hours of coursework from the following options:

CHM 23000	General Chemistry 1	3
CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CHM 23200	General Chemistry 3	3
CHM 24200	General Chemistry 3 Laboratory	1
CHM 35500	Analytical Chemistry	4
CHM 36100	Organic Chemistry I	4

Additional CHM Coursework

3 credit hours of CHM coursework 30000-level or higher.

No duplication of coursework is permitted within the program.

COACHING MINOR

21-22 credit hours

Requirements

Minor Coursework

15 credit hours of coursework from the following options:

EXS 31800	Strategies for Effective Coaching	3
EXS 36000	Exercise Principles for Optimal Performance	4
HFS 16000	First Aid/CPR/Sport Injuries	2
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
PE 33000	Psychological Aspects of Physical Education	3

Foundation Coursework

3-4 credit hours of coursework from the following options:

HFS 20800	Care and Prevention of Athletic Injuries	4
HFS 21500	Introduction to Health and Fitness Sciences	3

Practical Application Coursework

3 credit hours of coursework from the following options:

HFS 35000/REC 38500	Practicum	1-3
PE 35000	Theory and Methods of Coaching Football	3
PE 35100	Theory and Methods of Coaching Basketball	3
PE 35200	Theory and Methods of Coaching Softball and Baseball	3
PE 35300	Theory and Methods of Coaching Track and Field	3
PE 35400	Theory and Methods of Coaching Volleyball	3
PE 35500	Theory and Methods of Coaching Soccer	3
PE 35700	Theory and Methods of Coaching Wrestling	3
PE 35800	Theory and Methods of Coaching Aquatic Sports	3
PE 42052	Practicum in Coaching Baseball/Softball	3
PE 42053	Practicum in Coaching Track and Field	3
PE 42054	Practicum in Coaching Volleyball	3
PE 42055	Practicum in Coaching Soccer	3
PE 42056	Practicum in Coaching Weight Training	3
PE 42057	Practicum in Coaching Wrestling	3
PE 42058	Practicum in Coaching Aquatic Sports	3

Student must take HFS 35000/REC 38500 for three-credit-hours to fulfill this requirement.

COMPUTER SCIENCE MINOR

23-25 credit hours

Requirements

Minor Coursework

11 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
CSC 24400	Computer Science II	4

CSC 36000	Data Structures and Algorithms	3
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Intro to Computer Science Coursework

3 credit hours of coursework from the following options:

CSC 10011	Introduction to Computer Science: Python	3
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CSC 10022	Introduction to Computer Science: Javascript	3
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Elective Coursework

9 credit hours of coursework from the following options:

CSC 30500	Principles of Database Systems	3
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CSC 34400	GUI Application Design	3
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CSC 35500	Computer Systems I	4
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CSC 40500	Computer Graphics	3
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CSC 40800	Organization of Programming Languages	3
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CSC 44700	Project Management and Practice	3
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CSC 45100	Cooperative Education in Computer Science I	3
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CSC 45111	Internship	3
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CSC 45200	Cooperative Education in Computer Science II	3
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CSC 45211	Internship	3
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CSC 45500	Computer Systems II	4
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CSC 48000	Telecommunications and Computer Networking	3
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CRIMINOLOGY AND CRIMINAL JUSTICE MINOR

18 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

CCJ 11000	Criminal Justice Systems	3
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CCJ 20000	Criminology	3
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Elective Coursework

12 credit hours of coursework from the following options:

CCJ 22500	Comparative Crime and Justice Studies	3
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CCJ 25000	Understanding Police Use of Force	3
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CCJ 30000	Policing in America	3
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CCJ 30100	Criminal Law and Procedure	3
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CCJ 30500	Corrections	3
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CCJ 31100	The Juvenile Justice System	3
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CCJ 31500	Victimology	3
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CCJ 32000	Race, Crime, and Punishment	3
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CCJ 32200/SOC 32200	Social Deviance	3
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CCJ 32600/SOC 32600	Drugs and Society	3
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CCJ 33100	Criminal Investigation	3
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CCJ 33300	Research Methods for Criminology and Criminal Justice	3
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CCJ 33500	Cyber Crime	3
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CCJ 33800	Criminal Minds	3
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CCJ 33900	History of Criminal Justice	3
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CCJ 35005	Women, Crime, and the Law	3
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CCJ 35500	Criminal Justice Ethics	3
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CYBERSECURITY MINOR

24 credit hours

Requirements

Minor Coursework

15 credit hours of coursework from the following options:

ICS 31000	Foundations of Cybersecurity	3
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ICS 32700	Network and Cloud Security	3
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ICS 42100	Ethical Hacking	3
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ICS 42300	Advanced Penetration Testing	3
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ICS 42400	Cybersecurity Analysis	3
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Elective Coursework

9 credit hours of coursework from the following options:

ICS 32800	Digital Forensics and Cyber Investigation	3
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ICS 41200	Linux Server Installation & Configuration	3
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ICS 43200	Secure Software Development	3
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ICS 43300	Web Based Application Security	3
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IIT 33400	Ethical Issues in Cybersecurity	3
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IIT 33500	Blockchain Technology for Business	3
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IIT 35100	Database Analysis and Design Concepts	3
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CSC 30500	Principles of Database Systems	3
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Note 1) Minor Coursework: Students may substitute CSC 48000 in place of ICS 32700.

Note 2) Elective Coursework: Only one of either IIT 35100 or CSC 30500 may be counted towards the elective options.

Note 3) Elective Coursework: Only one of either IIT 35100 or CSC 30500 may be counted towards the elective options.

DATA SCIENCE MINOR

25 credit hours

Requirements

Minor Coursework

25 credit hours of coursework from the following options:

CSC 14400	Computer Science I	4
DSCI 11000	Introduction to Data Science	3
DSCI 30100	Data Analysis with R	3
DSCI 35600	Machine Learning	3
MGMT 26014	Excel for Professionals	3
MGMT 36033	Business Analytics I	3
MTH 24100	Statistics for Natural Science	3
MTH 34500	Regression Analysis	3

ENGINEERING PHYSICS MINOR

38 credit hours

Requirements

Minor Coursework

38 credit hours of coursework from the following options:

EGR 33500	Engineering Mechanics-Statics and Dynamics	4
EGR 36100	Circuit Theory I	4
EGR 36200	Circuit Theory II-AC Circuits	4
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 30300	Calculus III	5
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4
PHY 30300	Modern Physics	3

ENVIRONMENTAL SCIENCE MINOR

27 credit hours

Requirements

Minor Coursework

21 credit hours from the following options:

ESC 10000	Physical Geology with Lab	4
ESC 11200	Fundamentals of Environmental Science	4
ESC 26300/BSC 26300	Environmental Policy	3
ESC 32000	Hydrology	3
ESC 33000	Fundamentals of Soil Science	4
GEO 20000	Introduction to Geographic Information Systems (GIS)	3

Elective Coursework

6 credit hours from the following options:

ESC 35000	Hazardous Waste Management	3
ESC 40000	Hydrogeology	3

ESC 41000	Environmental Fate of Contaminants	3
ESC 42000	Environmental Toxicology and Risk Assessment	3

FINANCIAL MATHEMATICS MINOR

33 credit hours

Requirements

Minor Coursework

24 credit hours of coursework from the following options:

ACCT 21010	Principles of Financial Accounting	3
ECON 23020	Principles of Microeconomics	3
ECON 23030	Principles of Macroeconomics	3
FIN 32000	Principles of Finance	3
MTH 24100	Statistics for Natural Science	3
MTH 32400	Theory of Financial Mathematics I	3
MTH 32500	Theory of Financial Mathematics II	3
MTH 32600	Models for Financial Economics	3

Elective Coursework

9 credit hours of coursework from the following options:

ECON 33025	Money and Banking	3
ECON 33040	Intermediate Microeconomics	3
ECON 33045	Intermediate Macroeconomics	3
ECON 43078	Econometrics	3
FIN 32010	Corporate Finance I	3
FIN 32020	Investments I	3
FIN 32040	Risk and Insurance	3
FIN 42020	Investments II	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3

HEALTH AND WELLNESS MINOR

17-19 credit hours

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

HFS 20500	Fitness and Wellness Concepts	3
HFS 34000	Mental Health and Resiliency Techniques	3

First Aid Care Coursework

2-4 credit hours of coursework from the following options:

HFS 16000	First Aid/CPR/Sport Injuries	2
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HFS 20800	Care and Prevention of Athletic Injuries	4
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Health Coursework

3 credit hours of coursework from the following options:

HFS 30000	Health and Well-Being in Society	3
PHS 20000	Foundations of Public Health	3

Elective Coursework

6 credit hours of coursework from the following options:

BSC 12100	Nutrition	3
EXS 24000	Nutrition Throughout the Lifecycle	3
PHS 37000	Health Promotion	3
PSY 30300	Abnormal Psychology	3
PSY 32100	Health Psychology	3
PSY 33200	Psychology of Motivation and Emotion	3
PSY 36500	Human Sexuality	3
REC 20600	Leisure in Contemporary Society	3
SOC 32600/CCJ 32600	Drugs and Society	3

MATHEMATICS MINOR*24 credit hours***Requirements****Minor Coursework**

21 credit hours of coursework from the following options:

MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 28500	Introduction to Mathematical Proof Writing	3
MTH 30300	Calculus III	5
MTH 31500	Linear Algebra I	3

Elective Coursework

3 credit hours of coursework from the following options:

MTH 31100	Differential Equations	3
MTH 31300	History of Mathematics	3
MTH 31600	Linear Algebra II	3
MTH 32000	Abstract Algebra	3
MTH 33000	Geometry	3
MTH 34100	Probability and Mathematical Statistics I	3
MTH 34200	Probability and Mathematical Statistics II	3
MTH 34500	Regression Analysis	3
MTH 35100	Numerical Methods	3
MTH 36100	Partial Differential Equations	3

MTH 37000	Advanced Calculus	3
MTH 39000-39999	Special Topics in Applied Mathematics	3
MTH 49000-49999	Special Topics in Mathematics	3

NUTRITION MINOR*18 credit hours*

The nutrition minor is designed for students majoring in any of the allied health sciences (health and fitness sciences, biology, chemistry) or other area of interest. The curriculum will provide the students with a strong foundation in the principles and assessment of nutrition across the lifecycle, and offer elective courses in community, sports nutrition, and food science.

Requirements**Minor Coursework**

6 credit hours of coursework from the following options:

EXS 23000	Assessment of Nutritional Status	3
EXS 31200	Nutrition and Metabolism	3

Nutrition Coursework

3 credit hours of coursework from the following options:

BSC 12100	Nutrition	3
EXS 24000	Nutrition Throughout the Lifecycle	3

Elective Coursework

9 credit hours of coursework from the following options:

EXS 30500	Medical Nutrition Therapy	3
EXS 32000	Nutrition Education and Counseling	3
EXS 34000	Nutrition for Performance	3
HFS 30000	Health and Well-Being in Society	3

PRE-ATHLETIC TRAINING MINOR*40-41 credit hours***Requirements****Minor Coursework**

30 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
EXS 31500	Physiology of Exercise	3
EXS 31600	Physiology of Exercise Lab	1

EXS 32500/HS 54300	Biomechanics	3
EXS 34000	Nutrition for Performance	3
HFS 18500	Medical Terminology	2
HFS 31000	Kinesiology of Physical Education	3
PHY 25100	Introductory Physics I	4
PSY 10000	Principles of Psychology	3

BSC Coursework

4 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
BSC 24400	Introduction to Cellular and Molecular Biology	4

CHM Coursework

3-4 credit hours of coursework from the following options:

CHM 10000	Concepts in Chemistry	4
CHM 23000	General Chemistry 1	3

MTH Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

PRE-ENGINEERING MINOR*40-42 credit hours***Requirements****Minor Coursework**

36 credit hours of coursework from the following options:

CHM 23100	General Chemistry 2	3
CHM 24100	General Chemistry 2 Laboratory	1
CSC 14400	Computer Science I	4
MTH 27100	Calculus I	5
MTH 27200	Calculus II	5
MTH 30300	Calculus III	5
MTH 31100	Differential Equations	3
PHY 30100	General Physics I	4
PHY 30200	General Physics II	4

Minor Coursework Addl

6-8 credit hours of coursework from the following options:

BSC 24400	Introduction to Cellular and Molecular Biology	4
CHM 23200 and CHM 24200	General Chemistry 3 Lecture (3) and General Chemistry 3 Lab (1)	4
CHM 36100	Organic Chemistry I	4
MTH 31500	Linear Algebra I	3
PHY 30300	Modern Physics	3

Note: CHM 47200 Physical Chemistry II (3 credits) may be substituted in place of PHY 30300 (3 credit hours).

PRE-NURSING MINOR*31-32 credit hours*

It is the responsibility of the student to check with the individual school or college of interest in which they intend to apply regarding additional prerequisites for admission. The completion of a Pre-Nursing minor does not guarantee a student admittance into a nursing program.

Requirements**Minor Coursework**

14 credit hours of coursework from the following options:

BSC 22700	Human Anatomy and Physiology I	4
BSC 22800	Human Anatomy and Physiology II	4
PSY 10000	Principles of Psychology	3
PSY 20500	Human Development	3

Biological Sciences Coursework

4 credit hours of coursework from the following options:

BSC 10000	Concepts in Biology	4
BSC 24400	Introduction to Cellular and Molecular Biology	4

Nutrition Coursework

3 credit hours of coursework from the following options:

BSC 12100	Nutrition	3
EXS 24000	Nutrition Throughout the Lifecycle	3

Microbiology Coursework

4 credit hours of coursework from the following options:

BSC 23000	Microbiology for Health Sciences	4
BSC 35300	Microbiology	4

Chemistry Coursework

3-4 credit hours of coursework from the following options:

CHM 10000	Concepts in Chemistry	4
CHM 23000	General Chemistry 1	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

PSYCHOLOGY MINOR*21 credit hours*

Requirements**Minor Coursework**

3 credit hours of coursework from the following option:

PSY 10000	Principles of Psychology	3
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Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Clinical Psychology Coursework

3 credit hours of coursework from the following options:

PSY 30300	Abnormal Psychology	3
PSY 30900	Personality	3
PSY 31100	Behavior Modification	3
PSY 32100	Health Psychology	3
PSY 32400	Psychological Testing	3
PSY 34100	Psychotherapy	3

Experimental Psychology Coursework

3 credit hours of coursework from the following options:

PSY 31500	Psychology of Prejudice	3
PSY 32500	Behavioral Neuroscience	3
PSY 32600	Sensation and Perception	3
PSY 33000	Learning and Memory	3
PSY 33100	Cognitive Psychology	3
PSY 33200	Psychology of Motivation and Emotion	3
PSY 33400	Social Psychology	3

Developmental Psychology Coursework

3 credit hours of coursework from the following options:

PSY 20500	Human Development	3
PSY 20800	Child Psychology	3
PSY 21000	Psychology of Parenting	3
PSY 31200	Psychology of Aging	3
PSY 31300	Psychology of Adolescence	3
PSY 36500	Human Sexuality	3

General Psychology Coursework

3 credit hours of coursework from the following options:

PSY 15700	Psychology of Leadership	3
PSY 18100	Cultural Psychology	3
PSY 21200	Japanese Culture, Society, and Mind	3
PSY 21500	Careers in Psychology	3
PSY 23500	Death, Dying, Life, & Living	3
PSY 29000-29999	Special Topics in Psychology	1-6
PSY 30800	Psychology of Women & Gender	3
PSY 39000-39999	Special Topics in Psychology	1-6

PSY 40440	Advanced Research Methods & Statistics	3
PSY 45000	Psychology Practicum	3
PSY 48000	Psychology Research Lab	1-6
PSY 48300	Senior Thesis	4

Elective Coursework

3 credit hours of PSY coursework at the 30000- or 40000-level.

PUBLIC HEALTH MINOR*18 credit hours***Requirements****Minor Coursework**

6 credit hours of coursework from the following options:

PHS 20000	Foundations of Public Health	3
PHS 22000	Public Health and Social Justice	3

General Public Health Coursework

12 credit hours of coursework from the following options:

PHS 24000	Global Health	3
PHS 31000	Introduction to the U.S. Health Care System	3
PHS 33200	Environmental Health	3
PHS 34000	Health Policy	3
PHS 35300	Health Communication	3
PHS 36000	Introduction to Epidemiology	3
PHS 37000	Health Promotion	3
PHS 38500	Biological Basis of Health and Disease	3

RECREATION ADMINISTRATION MINOR*21 credit hours***Requirements****Minor Coursework**

12 credit hours of coursework from the following options:

HFS 21500	Introduction to Health and Fitness Sciences	3
REC 31000	Inclusive and Therapeutic Recreation	3
REC 36200	Program Design and Event Management	3
REC 41000/HFS 33000	Recreation Organization and Administration	3

Elective Coursework

9 credit hours of REC coursework.

No more than 3 credit hours may be taken from 10000-level Basic Skills/Activity coursework.

SOCIOLOGY MINOR*18 credit hours***Requirements**

Minor Coursework

3 credit hours of coursework from the following options:

SOC 10200	Basic Concepts of Sociology	3
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Elective Coursework

15 credit hours of coursework from the following options:

PSY 33400	Social Psychology	3
SOC 21100	Introduction to Applied Sociology	3
SOC 21400	The Family	3
SOC 22000	Social Problems	3
SOC 29000-29999	Special Topics in Sociology	1-6
SOC 30400	The Sociology of Gender Roles	3
SOC 31800	Race, Ethnicity, and Gender	3
SOC 32100	Urban Sociology	3
SOC 32200/CCJ 32200	Social Deviance	3
SOC 32600/CCJ 32600	Drugs and Society	3
SOC 33500	Sociology of Sport	3
SOC 39000-39999	Special Topics in Sociology	1-6
SOC 40000	Undergraduate Research	3
SOC 42000	Sociological Theory	3
SOC 45000	Internship in Sociology	3-9
SOC 48900	Honors Project	6

SPORT AND SOCIETY MINOR*18 credit hours*

The Sport and Society minor provides students the opportunity to explore the reciprocating relationship between sport and society by critically examining sport as an institution, a business, and a cultural catalyst. Micro perspectives that analyze the impact sport has on our mental and physical health, as well as our ability to interact with diverse populations will also be investigated in the coursework. The minor requires 18 credits of coursework that will complement and further prepare students who intend to work in areas of health, business, education, social sciences, communication and/or related fields.

Requirements

Minor Coursework

6 credit hours of coursework from the following options:

REC 31200	Sports and Society	3
SPMGT 27020	Sport Business Orientation	3

Elective Coursework

12 credit hours of coursework from the following options:

HFS 21500	Introduction to Health and Fitness Sciences	3
HIST 12000	US History: America through Sport	3
PE 33000	Psychological Aspects of Physical Education	3
REC 20600	Leisure in Contemporary Society	3
REC 32000	Adapted Sports and Therapeutic Recreation Activities	3
SOC 33500	Sociology of Sport	3
SPMGT 37040	Sport Marketing and Promotion	3
SPMGT 37060	Sport Law	3

STRENGTH AND CONDITIONING MINOR*25-26 credit hours***Requirements**

Minor Coursework

22 credit hours of coursework from the following options:

EXS 31800	Strategies for Effective Coaching	3
EXS 36000	Exercise Principles for Optimal Performance	4
EXS 38500/HS 51000	Advanced Strength Training Techniques	3
EXS 45500/HS 56500	Exam Preparation	3
HFS 33000/REC 41000	Recreation, Sport, and Fitness Administration	3
PE 33000	Psychological Aspects of Physical Education	3
PSY 10000	Principles of Psychology	3

Elective Coursework

3-4 credit hours of coursework from the following options:

AT 28500	Introduction to Athletic Training	3
HFS 20800	Care and Prevention of Athletic Injuries	4
HFS 21500	Introduction to Health and Fitness Sciences	3

PROFESSIONAL RESEARCH CERTIFICATE

15 credit hours

Only degree-seeking Lindenwood undergraduate students are eligible to earn this career certificate.

The College of Science, Technology, and Health offers a Professional Research Certificate* that complements any academic degree with the skills, knowledge, and competencies required for basic research in higher education and many professional settings. To earn the certificate, students complete a series of modules and requirements that serve as the foundation of research education in the several professional environments. Additionally, 15 credits of academic courses directly related to the research process are required; culminating with a research internship.

Requirements

Certificate Coursework

3 credit hours of coursework from the following option:

MGMT 26014	Excel for Professionals	3
PSY 30600	Behavioral Science Statistics	3

Statistics Coursework

3 credit hours of coursework from the following options:

MTH 14100	Basic Statistics	3
MTH 24100	Statistics for Natural Science	3

Research Coursework

9 credit hours total of coursework (minimum 3 credit hours of coursework from each category) as approved by program director.

Introductory Discipline-Specific Research Coursework

3 credit hours of coursework from the following options:

EXS 27500	Research Methods and Data Interpretation	3
PHS 36000	Introduction to Epidemiology	3
PSY 30400	Basic Research Methods	3

Advanced Discipline-Specific Research Course

3 credit hours of coursework from the following options:

EXS 33500	Independent Research	1-3
PHS 38300	Research Methods in Public Health	3
PSY 31100	Behavior Modification	3
PSY 32400	Psychological Testing	3
PSY 33000	Learning and Memory	3
PSY 33100	Cognitive Psychology	3

Culminating Research

3 credit hours of coursework from the following options:

EXS 44100	Research Internship	1-6
PHS 38900	Independent Research	1-3
PSY 40440	Advanced Research Methods & Statistics	3
PSY 48000	Psychology Research Lab	1-6
PSY 48300	Senior Thesis	4

Additional Competencies and Requirements

1) Complete three Collaborative IRB Training Initiative (CITI) training modules available on the Lindenwood CITI Training website

Required:

- Human Subjects Research Training (Biomedical or Social/Behavioral)
- Responsible Conduct of Research

One of the following modules depending on your professional background or type of research:

- Good Clinical Practice
- Conflict of Interest

2) Present at the Student Academic Showcase (SAS) or equivalent event approved by advisor

3) Attendance at one campus workshop, lecture, or seminar on a research topic. Examples can be attendance at a thesis proposal or defense, faculty colloquium, Public Health Academic Journal Club, or Exercise Science research seminar. A one-page formal summary with a professional cover page and discussion over the topic and activity must be submitted for documentation of their completion of this activity.

4) Submit one page summary of certificate experience and present their experiences to faculty and student panel. This will prepare students to summarize and discuss skills gained and lessons learned to potential graduate schools, medical schools, physical therapy schools and employers.

*Upon completion of the above requirements, the student will earn the Professional Research Certificate. This accomplishment will appear on their official academic transcript and students will be provided with a professional certificate of completion.

EARLY ACCESS

Early Access

With the approval of the dean of the appropriate college, traditional day undergraduate students may take up to 9 credit hours at the graduate level during their senior year at no additional charge. These hours will count toward a graduate degree if one is ultimately pursued but not toward the student's undergraduate degree. Under this option, the student must be enrolled in at least 12 credit hours at the undergraduate level for each semester that the student is taking graduate credit and have a minimum undergraduate

3.0 GPA. A maximum of 6 graduate credits may be earned per semester. Students in the early access program must maintain a 3.0 in all master's credits.

UNDERGRADUATE COURSE DESCRIPTIONS

AAD - Art and Design

AAD 10000 - Introduction to Art and Design (3)

An introduction to art as an academic pursuit including: aesthetics, criticism, and expectations of a major in the visual arts. Students will engage in creative, critical, and design thinking and be introduced to possible career options in art and design.

Offered: Fall/Spring/Summer.

AAD 10050 - Web Design I (3)

This is a hands-on course designed to familiarize you with the development of web content guided by sound theoretical practices, written communication skills, design principles, adherence to current web standards, and user-experience expectations through simulated interactions with a client. You will create two websites throughout the duration of the course using primarily HTML and CSS, register a domain name, and secure hosting for their work. NOTE: No textbook is used in this course, but the cost of domain registration and web hosting is the responsibility to the student (expected cost between \$24-\$60 per year).

Offered: Fall/Spring.

AAD 10100 - Emerging Technologies (3)

This course will explore current and emerging technologies and provide students with the necessary software skills to apply them in their area of study. This class may require the use of a virtual reality headset identified by the instructor.

AAD 10200 - Art and Design Seminar (0)

All Art and Design majors are required to enroll in this course every fall and spring semester throughout their program of study, excluding the semester of internship, or student teaching. Attendance at a minimum number of meetings/events is required. This course is Pass/Fail. May be repeated.

Offered: Fall/Spring/Summer.

AAD 10600 - Design Foundations (3)

This course teaches the formal elements and principles of design, color theory, perception and problem solving as applied to a two-dimensional surface.

Offered: Fall/Spring/Summer.

AAD 11000 - Programming Logic (3)

This course introduces students to programming logic in a structured web centric environment. Topics include language syntax, semantics, data types, program organization, pseudo code, flow-charting, algorithm

design, and basic programming constructs. Lab fee may be required.

AAD 11600 - Drag and Drop Web Design (3)

This course is recommended for non-majors and majors alike and provides students with hands-on experience with contemporary online publishing techniques using applications such as WordPress or other content management systems. A registered domain name and web hosting plan capable of supporting PHP is mandatory. Lab fee required.

AAD 12000 - Digital Foundations (3)

An introduction to Adobe creative software, image capture, basic image editing, and file/asset management. Demonstration of raster and vector graphics, and their appropriate usage through lessons in Adobe Photoshop, Illustrator, and InDesign. Lab fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring/Summer.

AAD 13000 - Drawing I (3)

This is an introductory course in drawing in varied media. Problems in rendering objects, perspective, space, light, and composition are presented. Lab fee may be required.

Offered: Fall/Spring/Summer.

AAD 13600 - 3D Design (3)

GE-Human Culture: Arts This course offers an exploration of three-dimensional space and design. Problems in the additive and subtractive processes will be presented including: open and closed space, mass, and volume. Basic fabrication skills will be covered. Sketchbooks required. Studio fee required.

Offered: Fall/Spring/Summer.

AAD 14000 - Visual Storytelling (3)

Exploration of visual storytelling techniques for the attainment of desired storytelling effects; includes character development, using shots, camera, lights, props and background elements, master plots, one and multi-panel cartoons, comics, storyboards, animatics and story-reels. Students will learn the principles of visual storytelling and how to apply them with a time-line based application or temporal design.

Prerequisite: AAD 12000. Offered: Fall/Spring/Summer.

AAD 18101 - Digital Photography I (3)

GE-Human Culture: Arts This is an introduction to digital photography and Photoshop. Basic camera and

composition skills are covered, along with an historical overview, software options and techniques. Students are encouraged to have a digital SLR camera. Studio fee applies.

Offered: Fall/Spring.

AAD 20000 - Painting I (3)

This is an introductory course in painting using varied media. Composition, rendering of forms, color theory and painting techniques will be studied.

Prerequisite: AAD 13000. Offered: Fall/Spring.

AAD 20300 - Adobe Certification in Photoshop (3)

This course covers the fundamentals of digital image manipulation, graphic creation and visual design concepts using Adobe Photoshop. The focus of the course is to teach students how to utilize the software and offers opportunities to prepare for and take the industry recognized Adobe certification for Photoshop. Students will learn current techniques associated with digital modification, organization, delivery and image creation. Passing of the course does not guarantee passing of the industry level certification test. Lab fee required.

Offered: Fall/Spring.

AAD 20400 - Adobe Certification in Illustrator (3)

This course covers the creation of computer-generated vector graphics with Adobe Illustrator. The focus of the course is to teach students how to utilize the software and offers opportunities to prepare for and take the industry recognized Adobe certification for Illustrator. Students will learn current techniques associated with graphic design and illustration for use in both print and screen. Passing of the course does not guarantee passing of the industry level certification test. Lab fee required.

Offered: Fall/Spring.

AAD 21000 - User Interface/User Experience (3)

This is an introductory course in the field of user interface and user experience design. Topics will include user-centered design, and the problem-solving techniques associated with designing with the user in mind. These themes will be addressed through project-based assignments that introduce students to concepts of user-empathy, analog and digital environments, and negotiating form and function. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring/Summer.

AAD 21500 - Printmaking I (3)

This course will cover the study of the principles and processes of four types of printmaking. Subjects such as Monotypes, Relief, Intaglio, and Serigraphy (silkscreen) will be covered. Studio fee required.

Prerequisite: AAD 10600; AAD 13000. Offered: Spring.

AAD 22100 - Sculpture I (3)

This course will explore through sculptural processes (both traditional and innovative) including: form, scale, texture, and surface design will be. Basic techniques of molding, joining, casting, and fabricating will be studied. Studio fee required.

Prerequisite: AAD 13600. Offered: Fall/Spring.

AAD 22600 - Digital Art I (3)

GE-Human Culture: Arts This course provides the fundamental technical skills that will allow students to develop the creative utilization of digital technology in a Fine Art context. Students use image editing, animation, and digital drawing to put into practice the principles of art. Lab fee may be required.

Offered: Fall/Spring.

AAD 23000 - Microsoft Office Specialist Certification (3)

This course covers the basics of Microsoft Word, Excel and PowerPoint. You will cover word processing, spreadsheets, and presentation concepts and techniques with an emphasis on effective communication and adherence to sound design principles applied through the usage of the Microsoft Office Suite. This class will culminate in taking the Associate Microsoft Office Specialist examinations for Microsoft Word, PowerPoint, and Excel. In the event that all three Associate certification exams are passed, participants will be awarded the Microsoft Office Specialist: Associate certification. Passing of the course does not guarantee passing of the industry level certification tests. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring/Summer.

AAD 23400 - Fibers I (3)

This course will explore basic fiber techniques, both traditional and innovative including: form, color, and surface design. Skills in designing and fabricating two and three-dimensional objects, dyeing, weaving, and basketry will be explored. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 13600. Offered: Spring.

AAD 24100 - Ceramics I (3)

GE-Human Culture: Arts This course is an introduction to the investigation of clay as a medium for creating functional and sculptural forms. Techniques are taught in hand-building, glazing and firing. The historical aspect of ceramics, materials and basic glaze chemistry are covered through lectures, demonstrations, exhibits, and visual aids. This course is designed for art and non-art majors. Studio fee required.

Offered: Fall/Spring/Summer.

AAD 25000 - Typography I (3)

Through lectures, demonstrations, and studio projects, this course explores all aspects of typography (the visualization of spoken language). Student exercises include type as image and the relationship between visual and verbal language, the expressive characteristics of letterforms, and type design classifications. This course also explores type terminology, typographic grids, hierarchy, typographic design, and history. Lab fee required.

Prerequisite: AAD 10600; AAD 12000 or AAD 20300.
Offered: Fall/Spring.

AAD 30000 - Portfolio and Career Foundations (3)

This course provides students with a structured environment to showcase both personal design style and technical skills as it pertains to the field of Art and Design. Students will refine self-selected pieces, and develop an interactive platform in which to display the best of their work. Interviewing, résumé building, and job hunting are closely tied to the distribution of a portfolio and thus are a pivotal part of the course content. Students will conclude the course with a professional résumé, digital portfolio, and set of skills that will assist them in securing both a valuable internship and future career. Lab fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Art and Design major or minor; sophomore standing.

AAD 30100 - Print Design and Production (3)

This course focuses on the design and production of printed material. Professional graphic design and pre-press production practices are emphasized. This computer studio course will include the study of typography, page design, and page anatomy. The use of links and paper selection will be discussed. Aspects of working with long documents will also be explored, including grid design, master pages, and character/ paragraph styles. At the conclusion of this class, the student will be able to conceptualize, design, and produce projects for a wide variety of pre-press demands. Additional topics may include preparing projects for screen-based and paper-based distribution and building self-contained high and low resolution files. Lab fee required.

Prerequisite: AAD 25000. Offered: Fall/Spring/Summer.

AAD 30200 - Sculpture II (3)

This course is an advanced study of the sculpture discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the sculpture studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 22100. Offered: Fall/Spring/Summer.

AAD 30500 - Painting II (3)

This course is the advanced study of the painting discipline, including its history, processes, and innovations. Lab fee may be required.

Prerequisite: AAD 20000. Offered: Fall/Spring/Summer.

AAD 30600 - Imaging and Illustration (3)

This course covers the production and manipulation of digital imagery. Projects will address visual problem-solving for commercial or fine art purposes. Topics such as scanning, masking, compositing, color correction, resolution requirements, and production practices will be covered. File formats, techniques, and tools used in the graphic design field are emphasized. Imagery will be created for printed and screen use. This class will utilize lecture, demonstration, discussion, and hands-on experiences. This course addresses the concepts and techniques necessary to create illustrations for print, web, and multimedia applications. Students learn a graphic and conceptual approach to illustration through demonstrations and projects, which build on the existing knowledge of design and drawing. Projects range from business and information graphics to editorial, advertising, and technical illustration. Creativity, content, communication, and technical proficiency are emphasized. Lab fee required.

Prerequisite: AAD 10600; AAD 12000. Offered: Fall/Spring/Summer.

AAD 31100 - Extended Realities (XR/AR/VR) (3)

This course will introduce you to the continuum of Extended Reality (XR), including Augmented Reality (AR) and Virtual Reality (VR) interfaces, hardware and applications. Basic concepts of XR and its history are covered, along with an introduction to the most common head-mounted displays (HMDs) in use today. The course requires neither a special background in design nor programming experience. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

AAD 31200 - User Experience and Interaction Design for XR (AR/VR) (3)

This course introduces user experience and interaction design for XR. You will develop design thinking skills to approach both physical and digital prototyping methods. An overview will be provided of the methods and tools for VR and AR user experience and interaction design that correspond to each stage of design and the specific level of fidelity desired. Finally, ethical considerations of XR design will be introduced. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 31100. Offered: Fall/Spring/Summer.

AAD 31300 - Cinematics for XR (AR/VR) (3)

This course provides an introduction to the use of 3D/360° Cameras to create virtual reality content for application development. You will learn techniques for Immersive

Cinema Design for Mobile, Web, and Head Mounted Displays: Analysis and application of tools for Virtual Cinema. This class may require the use of a virtual reality headset and 3D/360° camera identified by the instructor.

Prerequisite: AAD 14000, AAD 31100, or CINE 11000.
Offered: Fall/Spring/Summer.

AAD 31500 - Printmaking II (3)

This course is an advanced study of the printmaking discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the printmaking studio. Studio fee required.

Prerequisite: AAD 21500.

AAD 32200 - Motion Graphics (3)

This course introduces time as a design element and surveys the potential applications for motion in visual communication. Students will be exposed to the basic principles of animation and motion graphics, and develop the technical skills to apply these principles using industry standard software. Projects will integrate graphic form, typography, and message with movement, time, sequence, and sound. Lab fee required.

Prerequisite: AAD 12000 or AAD 20300. Offered: Fall/Spring.

AAD 32500 - Adobe Certification in InDesign (3)

This course gives the student an understanding of Adobe InDesign and the publication of printed and digital materials. Students will learn how to utilize the software, develop an understanding of professionally designed and produced materials, and have opportunities to prepare for and take the industry recognized Adobe certification for InDesign. Passing of the course does not guarantee passing of the industry level certification test. Lab fee required.

Prerequisite: AAD 12000 or AAD 20300. Offered: Spring.

AAD 32900 - Concept Design (3)

This course will allow students to use two-dimensional art skills, digital painting and three-dimensional computer sculpture to create concept designs for games and film. The course will focus on turning a basic description into a fully understood artistic concept; examples include character, costume design, mechanical design, architectural design, and environmental design.

Prerequisite: AAD 12000 or AAD 20300.

AAD 33000 - Drawing II (3)

This course is an advanced study of the drawing discipline in various media, including its history, processes, and innovations.

Prerequisite: AAD 13000. Offered: Fall/Spring.

AAD 33100 - Figure Drawing I (3)

This course is a study of drawing techniques and fundamentals of anatomical structure as related to the

human form. Most work is completed from direct observation of the nude human figure. Studio fee required.

Prerequisite: AAD 13000. Offered: Fall/Spring.

AAD 33310 - 3D Printing (3)

This course presents the foundation of 3D modeling and manufacturing through hands-on experience. Students will utilize their existing 3D modeling skills to physically prototype objects, and will learn about the software and hardware necessary to print in 3D. Course discussions will focus on the potential impact of this technology on our society, and on future uses of the techniques that are taught. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 13600 or AAD 33600.

AAD 33400 - Fibers II (3)

This course is an advanced study of the fibers discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the fibers studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 23400.

AAD 33600 - 3D Graphics (3)

This hands-on course provides students with the skills needed to design 3D models, materials, lighting, and animation using a popular 3D software application. Rendering techniques, camera usage, and surface-mapping will be covered in an effort to have students capable of producing photo-realistic images.

Prerequisite: AAD 12000 or AAD 20300. Offered: Fall/Spring/Summer.

AAD 33610 - Digital Art II (3)

This intermediate course provides more advanced technical skills that will allow students to develop the creative utilization of digital technology in a Fine Art context. Students use image editing, animation, and digital drawing to put into practice the principles of art.

Prerequisite: AAD 22600. Offered: Fall/Spring.

AAD 33700 - Digital Painting (3)

This class is designed to familiarize students with painting in a digital medium. The students will learn to utilize painting programs to simulate the natural tools of the artist, such as watercolor, oils, charcoal and others. Students will use the various tools available in these programs such as brushes, paper textures, media palettes and mixers to create art work that can only be generated in a digital medium. Lab fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 12000 or AAD 20300.

AAD 34000 - Ceramics II (3)

This class explores the use of clay as a three-dimensional medium. Class projects are both functional and sculptural in nature, allowing the student to refine skills in wheel-throwing, hand-building, kiln firing, and more advanced glaze formulation. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 24100. Offered: Fall/Spring.

AAD 34600 - Digital Art III (3)

This intermediate course provides more advanced technical skills that will allow students to develop the creative utilization of digital technology in a Fine Art context. Students use image editing, animation, and digital drawing to put into practice the principles of art.

Prerequisite: AAD 33610. Offered: Fall/Spring.

AAD 35000 - Portfolio Review (3)

Juried review of work completed in fundamentals coursework. Proficiency/ BFA eligibility will be pass/fail assessed. May be repeated for a maximum of 12 credit hours.

Prerequisite: AAD 10000; AAD 10600; AAD 20400.
Offered: Fall/Spring/Summer.

AAD 35001 - Digital Photography II (3)

This course is an exploration of the advanced technical, digital photography techniques. Direct application of technical skills will be made through the exploration of photographic niches and exploration of professional opportunities in photography. Students will develop an appreciation of the historical and cultural significance of photography in art and culture as well as study photo theory and critique. Students are encouraged to discover their own photographic voice and develop a final portfolio with a defined vision and topic. DSLR or Mirrorless camera with full manual mode, RAW image quality, and lighting equipment required. Lab fee required.

Prerequisite: AAD 18101.

AAD 35500 - Visual Branding (3)

This course is a survey of branding and identity design as it relates to organizations, individuals, or other systems. It introduces the concepts associated with the visualization of corporate or organizational character, reputation, and strategy. Topics associated with the simplification and abstraction of symbols, icons, logos, and style guides are given focus.

Prerequisite: AAD 12000 or AAD 20400; AAD 25000.
Offered: Fall/Spring/Summer.

AAD 35600 - Typography II (3)

Students will build on the fundamentals of Typography I, and understand typographic nuance, experimental typography, and the development of custom typefaces in type development software. Lab fee may be required.

Prerequisite: AAD 25000. Offered: Fall/Spring/Summer.

AAD 35700 - Infographics (3)

This course provides an overview for visual representation of data. It is designed to cover the differences between infographics and visualization. Through both theory and applied practice the course covers specifics related to basic graphic design, online publishing, and corporate communication as it relates to large amounts of data and visually representing data in creative and meaningful ways.

Prerequisite: AAD 12000 or AAD 20400; MTH 14100.
Offered: Fall/Spring/Summer.

AAD 36000 - Advanced 3D (3)

This course furthers an exploration in 3D space and design. Students can expect to be presented with problems they can solve through both digital and traditional processes. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 13600. Offered: Fall/Spring/Summer.

AAD 36001 - Digital Photography III (3)

This course is an exploration of the advanced technical, digital photography techniques. Direct application of technical skills will be made through the exploration of photographic niches and exploration of professional opportunities in photography. Students will develop an appreciation of the historical and cultural significance of photography in art and culture as well as study photo theory and critique. Students are encouraged to discover their own photographic voice and develop a final portfolio with a defined vision and topic. DSLR or Mirrorless camera with full manual mode, RAW image quality, and lighting equipment required. Lab fee required.

Prerequisite: AAD 35001.

AAD 36100 - Web Design II (3)

This project-based course is the second in a series focused on web design. It leverages advanced HTML and CSS coupled with JavaScript, frameworks, and libraries to continue a user-experience focused journey into the exciting field of web design through a client simulated experience. You will be introduced to content management systems (CMS) in this course and will develop the ability to configure, modify, and populate a site driven by the CMS. Marketing and promotion of the sites will also be given focus as you dive into search engine optimization techniques and discuss digital marketing strategies. NOTE: No textbook is used in this course, but the cost of domain registration and web hosting is the responsibility to the student (expected cost between \$24-\$60 per year).

Prerequisite: AAD 10050. Offered: Fall/Spring/Summer.

AAD 36200 - Web Design III (3)

This is the third, in a series hands-on courses focused on web design, places a heavy emphasis on the advanced use and customization of a content management system for the

purpose of meeting client expectations in a simulated environment. You will utilize previously learned HTML, CSS, and JavaScript skills as you navigate the course with a commitment to focusing on user experience and search engine optimization throughout the development process. NOTE: No textbook is used in this course, but the cost of domain registration and web hosting is the responsibility to the student (expected cost between \$24-\$60 per year).

Prerequisite: AAD 36100. Offered: Fall/Spring/Summer.

AAD 36300 - Web Design IV (3)

This is the final in a series of project-based web design courses, provides you with an opportunity to build upon previously learned skills through experimentation and independent research. You will produce professional-level highly intuitive web sites that adhere to best practices associated with design principles, user-experience, web standards, and professional communication. NOTE: No textbook is used in this course, but the cost of domain registration and web hosting is the responsibility to the student (expected cost between \$24-\$60 per year).

Prerequisite: AAD 36200. Offered: Fall/Spring/Summer.

AAD 38600-38699 - Special Topics in Art and Design (1-3)

May be repeated as topics vary. Prerequisites will vary by topic. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 10000.

AAD 40100 - Painting III (3)

This course is an advanced study of the painting discipline, including its history, processes, and innovations. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 30500.

AAD 40200 - Painting IV (3)

This course is the advanced study of the painting discipline, including its history, processes, and innovations. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 40100.

AAD 40400 - Ceramics III (3)

This course is an advanced study of the ceramics discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the ceramic studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 34000. Offered: Fall/Spring/Summer.

AAD 41000 - Art and Design Capstone (3)

In this capstone experience course, students will research and complete a comprehensive project and present it in the format appropriate for the field.

Prerequisite: Senior standing.

AAD 41350 - Development for XR (AR/VR) (3)

This course provides hands-on experience in a range of platforms to develop XR applications, comparing different XR development approaches, methods, and tools. The differences between developing for AR and VR will be covered, as well as the development stages for new XR projects. You will design and produce XR scenes for applications. Knowledge of C# is recommended. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 31200. Offered: Fall/Spring/Summer.

AAD 41500 - Printmaking III (3)

This course is an advanced study of the printmaking discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the printmaking studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 31500.

AAD 41510 - Printmaking IV (3)

This course is an advanced study of the printmaking discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the printmaking studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 41500.

AAD 42000 - Sculpture III (3)

This course is an advanced study of the sculpture discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the sculpture studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 30200.

AAD 42100 - Sculpture IV (3)

This course is an advanced study of the sculpture discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the sculpture studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 42000.

AAD 42400 - Applications for Mobile Devices (3)

This is an introductory hands-on course focused on the creation of web applications for deployment on multiple

platforms such as personal computers, tablets, and smartphones. Topics will include connectivity, interface design, application architectures, and programming. Students will gain skills necessary to develop applications that utilize the unique hardware and communication capabilities of a variety of devices. This course is project based and will likely require extensive time commitment outside of class time. Lab fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 11000, CSC 10011, or CSC 10022; CSC 24400 or AAD 36100.

AAD 43000 - Drawing III (3)

This course is an advanced study of the drawing discipline in various media, including its history, processes, and innovations.

Prerequisite: AAD 33000.

AAD 43100 - Drawing IV (3)

This course is an advanced study of the drawing discipline in various media, including its history, processes, and innovations.

Prerequisite: AAD 43000.

AAD 43200 - Figure Drawing II (3)

This course is an advanced study of drawing techniques and anatomical structure as related to the human form. Most work is completed from direct observation of the nude human figure. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 33100.

AAD 43300 - Figure Drawing III (3)

This course is an advanced study of drawing techniques and anatomical structure as related to the human form. Most work is completed from direct observation of the nude human figure. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 43200.

AAD 43400 - Fibers III (3)

This course is an advanced study of the fibers discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the fibers studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 33400.

AAD 43410 - Fibers IV (3)

This course is an advanced study of the fibers discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the fibers studio. Studio fee required. This class may

require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 43400.

AAD 44001 - Art and Design Firm (3)

This course provides students with real-world experience in the art and design fields working with entities both internal and external to the institution. Students will lead teams and have opportunities to work directly with clients and collaborate with other artists and designers. May be repeated for a maximum of 9 credit hours. Lab fee may be required.

Prerequisite: AAD 20300. Offered: Fall/Spring/Summer.

AAD 44100 - Ceramics IV (3)

This course is an advanced study of the ceramics discipline, including its history, processes, and innovations. Students are expected to participate in the day to day operations of the ceramic studio. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 40400.

AAD 44600 - Digital Art IV (3)

This advanced course provides more advanced technical skills that will allow students to develop the creative utilization of digital technology in a Fine Art context. Students use image editing, animation, and digital drawing to put into practice the principles of art.

Prerequisite: AAD 34600. Offered: Fall/Spring.

AAD 46001 - Digital Photography IV (3)

This course is an exploration of the advanced technical, digital photography techniques. Direct application of technical skills will be made through the exploration of photographic niches and exploration of professional opportunities in photography. Students will develop an appreciation of the historical and cultural significance of photography in art and culture as well as study photo theory and critique. Students are encouraged to discover their own photographic voice and develop a final portfolio with a defined vision and topic. DSLR or Mirrorless camera with full manual mode, RAW image quality, and lighting equipment required. Lab fee required.

Prerequisite: AAD 36001. Offered: Fall/Spring.

ACCT - Accounting

ACCT 21010 - Principles of Financial Accounting (3)

This course introduces students to the accounting information framework used by organizations to collect, maintain, report, and analyze financial information. Special emphasis will be given to business transactions and the resulting analysis of the financial statements. Lab fee may be required.

Prerequisite: MTH 14100, MTH 14200, MTH 15100, MTH 15200, MTH 17500, MTH 24100, MTH 27100 or MTH 27200 with a C or better. Offered: Fall/Spring.

ACCT 21011 - Principles of Managerial Accounting (3)

This course focuses on the development, analysis, interpretation, and communication of financial information designed to assist managers in achieving the goals of an organization. Students are introduced to spreadsheets and data visualization tools. Topics include discussions about different cost accumulation systems, cost management systems, activity-based costing and management, and planning and control. Lab fee may be required.

Prerequisite: ACCT 21010 with a C or better. Offered: Fall/Spring.

ACCT 31012 - Accounting Cycle Analyses (3)

Using a business cycle approach, the course addresses transaction entry, financial statement presentation, closing entries, and analysis. The course focuses on the technical and analytical aspects of the accounting cycle for accounting majors or anyone desiring a thorough understanding of the accounting cycle. Lab fee may be required.

Prerequisite: ACCT 21010 with a C or better. Offered: Fall/Spring.

ACCT 31020 - Financial Accounting and Reporting I (3)

This course is the first in a two-course sequence examining the development, application, and importance of various accounting standards, principles, and conventions. Specific topics covered include revenue recognition, cash controls, receivables, inventory, and long-term assets. Students will also be introduced to spreadsheets and data visualization tools to assist with analysis of relevant accounting calculations. Lab fee may be required.

Prerequisite: ACCT 21011 with a C or better. Offered: Fall/Spring.

ACCT 31040 - Accounting Information Systems (3)

This course explores the role information managers play in the development and use of event-driven information systems. Topics discussed focus on the risks and controls associated with the business processes. Students will be introduced to accounting software for data modeling and relational databases. In addition, the course includes analysis of accounting information using spreadsheets and data visualizations. Lab fee may be required.

Prerequisite: ACCT 21011, ENGL 17000, and MGMT 24000 all with a C or better. Offered: Fall/Spring.

ACCT 31041 - Introduction to Data Analytics for Accounting (3)

The student will learn the basics of data analytics and examine ways spreadsheets and data visualization tools are used to analyze data for both financial and managerial

accounting. The course is designed to enhance the student's ability to use spreadsheets and data visualization to make decisions using data. Software Certification options will be presented and encouraged. Lab fee may be required.

Prerequisite: ACCT 21011 with a C or better.

ACCT 31050 - Income Tax (3)

This course introduces students to the conceptual framework of federal and state income tax as applicable to businesses and individuals with an emphasis on determining and controlling the tax consequences of business and personal decisions. Compliance will be addressed but the emphasis will be on planning and concepts. Lab fee may be required.

Prerequisite: ACCT 21011; FIN 32000 with a C or better. Offered: Fall/Spring.

ACCT 31200-31299 - Directed Studies in Accounting (3)

An independent structured learning experience will be developed to ensure student's knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

ACCT 39000-39999 - Special Topics in Accounting (3)

ACCT 41021 - Financial Accounting and Reporting II (3)

This course is a continuation of the two-course sequence examining the development, application, and importance of various accounting standards. Specific topics covered include liabilities, equity accounts, and other financial instruments. Exposure to spreadsheets and data visualization tools to assist with analysis of relevant accounting calculations continues from the first course. Students also study the effects of judgment and opinion on the "fairness" of statement presentation. Lab fee may be required.

Prerequisite: ACCT 31020 with a C or better. Offered: Fall/Spring.

ACCT 41022 - Financial Accounting and Reporting III (3)

This course focuses on specialized issues in advanced financial accounting. Topics to be covered include consolidations, mergers, and partnership liquidations. Lab fee may be required.

Prerequisite: ACCT 41021; ENGL 17000 with a C or better.

ACCT 41030 - Introduction to Cost Accounting (3)

This course explores the concepts of cost determination, reporting, and control applied to manufacturing operations with an emphasis placed on job order and process cost accounting systems. Students utilize spreadsheet and data visualization tools to enhance planning and analysis of course related topics. Lab fee may be required.

Prerequisite: ACCT 21011 with a C or better. Offered: Fall/Spring.

ACCT 41031 - Managerial Accounting (3)

This course investigates the development and use of accounting information for decision making purposes. The course will emphasize the development of financial information for management's use in the decision making process. Topics will include internal reporting techniques, cost-volume-profit analysis, relevant cost, capital budgeting, and management planning and control.

Prerequisite: ACCT 21011; ENGL 17000 with a C or better.

ACCT 41055 - Income Tax-Corporate (3)

The course analyzes the Federal Tax Code as it relates to corporations, partnerships, estates, and trusts. Lab fee may be required.

Prerequisite: ACCT 21011 or FIN 32000 with a C or better. Offered: Spring.

ACCT 41060 - Governmental and Nonprofit Accounting (3)

This course introduces students to the concept of accounting and financial reporting for federal, state, and local government and for nonprofit organizations. Lab fee may be required.

Prerequisite: ACCT 31020; ENGL 17000 with a C or better.

ACCT 41065 - Introduction to International Accounting (3)

In this course, the student examines aspects of accounting operations within a multinational corporate environment. Key topics of analysis include foreign exchange exposure; translation of foreign-denominated financial statements; consolidated financial statements; transfer pricing; Foreign Corrupt Practices Act; and related tax and regulatory issues. Comparison of U.S. and foreign practices in areas such as financial standards and reporting, auditing, and performance measurements is examined. Lab fee may be required.

Prerequisite: ACCT 41021; ENGL 17000 with a C or better.

ACCT 41070 - Financial Statement Analysis (3)

This course focuses on preparing students to be able to analyze and interpret financial statements and reports by exploring profitability and risk analysis based on economic characteristics of a firm's business. Special emphasis is

placed on the importance of using financial information for decision-making, forecasting, and analysis. Case studies are utilized to apply the tool of financial statement analysis to real companies in a variety of industries. Lab fee may be required.

Prerequisite: ACCT 31020 or FIN 32000 with a C or better.

ACCT 41080 - Auditing (3)

This course is designed to help students understand the nature of auditing with an emphasis on techniques and issues as applied by Certified Public Accountants, including audit data analytics. Professional standards, Generally Accepted Auditing Standards, legal liabilities of auditors, and specific auditing techniques will be explored. Lab fee may be required.

Prerequisite: ACCT 31040 with a C or better; ACCT 41021. Offered: Fall/Spring.

ACCT 41095 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: Six credit hours of 30000-40000-level ACCT courses; approval of the faculty advisor, internship coordinator, and department chair for accounting; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

ACCT 41096 - Internship II (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: Six credit hours of 30000-40000-level ACCT courses; approval of the faculty advisor, internship coordinator, and department head for accounting; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

ACCT 41200-41299 - Directed Studies in Accounting (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

ACCT 49000-49999 - Special Topics in Accounting (3)

AEM - Arts and Entertainment Management

AEM 10000 - Introduction to Arts and Entertainment Management (2)

Introduction to the production of dance, music, theatre, and visual arts and the organizational structures, practices, and standard issues associated with arts and entertainment management.

Offered: Fall.

AEM 10001 - Practicum (1)

Supervised practical arts and entertainment production experience. May be repeated for credit.

Offered: Fall/Spring.

AEM 20000 - Production Management I (3)

This course is a practical study of managing all aspects of producing fine and performing arts events, including pre-production planning and processes (e.g., facilities, contracts, fundraising, insurance, licensing, market research); collaboration with artists (and when applicable their representatives); marketing/promotion; production personnel; materials and processes; audience/guest services; sales and accounting; and post-production processes (e.g., payments, assessments, sales, recordings).

Prerequisite: AEM 10000. Offered: Fall.

AEM 20001 - Practicum (1)

Supervised practical arts and entertainment production experience that requires more participation and responsibility than AEM 10001. May be repeated for credit.

Prerequisite: AEM 10001. Offered: Fall/Spring.

AEM 20500 - Box Office and House Management (3)

A study of the fundamental principles of arts marketing, public relations, promotions, media, journalism, audience retention and development, subscription sales, telemarketing and community relations; web-based communications and systems related to marketing, outreach, and sales; and front-of-house processes and services.

Prerequisite: AEM 10000. Offered: Fall.

AEM 30000 - Production Management II (3)

This course is an extension of AEM 20000. Requires increased production participation and responsibility.

Prerequisite: AEM 20000 with a C or better. Offered: Fall.

AEM 30001 - Practicum (1)

Supervised practical arts and entertainment production experience that requires more participation and responsibility than AEM 20001. May be repeated for credit.

Prerequisite: AEM 20001. Offered: Fall/Spring.

AEM 40000 - Production Management III (3)

This course is an extension of AEM 30000. Requires increased production participation and responsibility as well as a comprehensive project.

Prerequisite: AEM 30000 with a C or better. Offered: Fall.

AEM 40001 - Practicum (1)

Supervised practical arts and entertainment production experience that requires more participation and responsibility than AEM 30001. May be repeated for credit.

Prerequisite: AEM 30001. Offered: Fall/Spring.

AEM 45000 - Internship (3-6)

Supervised work experience for the advance student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of 6 credit hours.

Prerequisite: ENGL 17000 with a C or better; junior standing; permission of dean.

AES - Aerospace Science

AES 10100 - Heritage and Values of the U.S. Air Force I (2)

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include mission and organization of the Air Force, professionalism, military courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory is mandatory for AFROTC cadets, and it complements this course by providing students with followership experiences. Classroom activity, two hours per week; Leadership Laboratory two hours per week.

AES 10200 - Heritage and Values of the U.S. Air Force II (2)

A continuation of AES 10100, this course extends students' understanding of the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include mission and organization of the Air Force, officership, military customs, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory is mandatory

for AFROTC cadets, and it complements this course by providing students with followership experiences. Classroom activity, two hours per week; Leadership Laboratory two hours per week.

AES 11000 - Leadership Laboratory I (0)

This course is taken in conjunction with AES 11200. It is a laboratory that addresses topics associated with the United States Air Force such as physical fitness and health. Course is graded on a pass/fail basis beginning Fall 22.

AES 11200 - Leadership Laboratory II (0)

This course is taken in conjunction with AES 11000. It is a laboratory that addresses topics associated with the United States Air Force such as drill and ceremonies for officers. Course is graded on a pass/fail basis beginning Fall 22.

AES 20100 - Team and Leadership Fundamentals I (2)

A survey course concerned with the beginnings of manned flight and the development of aerospace power in the United States, including the employment of air power in WWI, WWII, Korea, Vietnam, the Gulf War and the peaceful employment of U.S. air power in civic actions, and scientific missions. Leadership Laboratory is mandatory for Air Force ROTC cadets and it complements this course by providing cadets with their first opportunity for applied leadership experiences and prepares them for Field Training.

AES 20200 - Air Force Team and Leadership Fundamentals II (2)

A survey course concerned with the beginnings of manned flight and the development of aerospace power in the United States, including the employment of air power in WWI, WWII, Korea, Vietnam, the Gulf War and the peaceful employment of U.S. air power in civic actions, and support of space exploration. Leadership Laboratory is mandatory for Air Force ROTC cadets and it complements this course by providing cadets with their first opportunity for applied leadership experiences and prepares them for Field Training.

AES 30100 - Leading People and Effective Communication I (3)

This course is a study in the anatomy of leadership, the need for quality and management leadership, and the role of discipline in leadership situations. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts. Cadets deal with actual problems and complete projects associated with planning and managing the Leadership Laboratory. A

mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving cadets opportunities to apply leadership and management principles of this course.

AES 30200 - Air Force Leadership and Effective Communication II (3)

This course is a study in the anatomy of leadership, the need for quality and management leadership, and the variables affecting leadership. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts. Cadets deal with actual problems and complete projects associated with planning and managing the Leadership Laboratory. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving cadets opportunities to apply leadership and management principles of this course.

AES 40100 - National Security, Leadership Responsibilities and Commissioning Preparation I (3)

Cadets learn about the role of the professional military leader in a democratic society; societal attitudes toward the armed forces; the impact of technological and international developments on strategic preparedness and the overall policy-making process; and military law. In addition, cadets will study topics that will prepare them for their first active-duty assignment as officers in the Air Force. A mandatory Leadership Laboratory complements this course. Leadership Laboratory provides advanced leadership experiences and gives cadets opportunities to develop and apply fundamental leadership and management skills while planning and conducting corps activities.

AES 40200 - Air Force Preparation for Active Duty II (3)

Cadets learn about the role of the professional military leader in a democratic society; the requisites for maintaining adequate national defense structure; the impact of technological and international developments on strategic preparedness and the overall policy-making process; and military law. In addition, cadets will study topics that will prepare them for their first active-duty assignment as officers in the Air Force. A mandatory Leadership Laboratory complements this course. Leadership Laboratory provides advanced leadership experiences and gives cadets opportunities to develop and apply fundamental leadership and management skills while planning and conducting corps activities.

AFAM - African American Studies

AFAM 20000 - Introduction to African American Studies (3)

GE-Human Culture: US History/Government/Human Diversity Why do African Americans feel it is necessary to assert that Black Lives Matter? Is there a difference between being Black and being African American? In this course, you will explore four hundred years of the African American experience from an historical perspective that traces the evolution of African American identities, cultures, and politics. Topics include the place of African American history in the African Diaspora, the relationship between African American and African cultural identities, and post-emancipation racial inequality in the United States.

Prerequisite: ENGL 15000 or placement in ENGL 15000 or EPP 15000 or placement in EPP 15000. Offered: Fall/Spring.

APR - Advertising and Public Relations

APR 10800 - Advertising and Public Relations Seminar (0)

All Advertising and Public Relations majors are required to enroll in this course every fall and spring semester throughout their program of study, excluding the semester of internship. Attendance at a minimum number of meetings/events is required. This course is graded on a Pass/Fail basis. May be repeated.

Offered: Fall/Spring.

APR 24500 - Fundamentals of Advertising (3)

An introduction to the history, rhetoric, and aesthetics of advertising. Examination of industry issues and key areas such as understanding the target audience, planning process, creative process, reaching the target audience, and media.

APR 25000 - Research and Consumer Behavior (3)

An introduction to consumer behavior and how the discipline draws from psychology, sociology, and economics. An understanding of the tools used including qualitative and quantitative research methods. Discussion of the consumer decision-making process and influences that effect purchasing behavior.

APR 30141 - Applied Advertising and Public Relations I (1)

With staff assignments in campus-related advertising media with a term involvement of 45 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: APR 24500 or APR 32280; APR 33900 or APR 36300.

APR 30142 - Applied Advertising and Public Relations II (2)

With staff assignments in campus-related advertising media with a term involvement of 90 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: APR 24500 or APR 32280; APR 33900 or APR 36300.

APR 30143 - Applied Advertising and Public Relations III (3)

With staff assignments in campus-related advertising media with a term involvement of 135 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: APR 24500 or APR 32280; APR 33900 or APR 36300.

APR 32280 - Public Relations: Communication Strategies (3)

A focused investigation of how rapidly evolving advances in communication technology is impacting the profession of public relations, advertising and marketing in a global environment. The fundamental strategic mission of public relations as an executive function aimed at long-term relationship and reputation management will be explored in various organization contexts, including but not limited to not-for-profit, non-profit, community, governmental, professional services, as well as proprietary consumer and business product/services. The key tactics appropriate to relationship development and management with a variety of stake-holder groups, including but not limited to employees, members, volunteers, regulators, legislators, community activists, investors, charities, as well as consumer/customers, will receive explicit scrutiny.

Prerequisite: ENGL 17000; COM 24200 or MRKT 35010. Offered: Fall/Spring.

APR 33500 - Media Planning and Buying (3)

This course is an in-depth study of the process of researching the cost effectiveness of the various media as advertising tools and examines the processes of media buying and the methods of selling radio, television, newspaper, magazine, and cyberspace advertising.

Prerequisite: MRKT 35010. Offered: Fall/Spring.

APR 33900 - Effective Messaging in Public Relations (3)

Designed to further develop public relations skills with emphasis on public relations case studies and the development and execution of a public relations plan. Specialized areas of public relations, such as media relations, employee, financial, public affairs, recruitment, fundraising, cause-related, corporate reputation, crisis

management, public communication campaigns, non-profit, government, sports, leisure, and general business.

Prerequisite: APR 32280 or MRKT 35010.

APR 34200 - Copywriting (3)

This course offers a focused examination and practice of the special skills required in writing for public relations and marketing communications programs. Emphases will include planning and executing written assignments for both advertising and publicity placement in a variety of print and electronic media, including converged media on the World Wide Web. Students will be encouraged to select organizational clients both within and outside the university and to compose work of professional quality sufficient to warrant both inclusion in a professional portfolio and organizational support for its publication/placement.

Prerequisite: APR 24500 or MRKT 35040; ENGL 17000.

APR 36300 - Creative Advertising Concepts (3)

This course offers a focused examination of the creative processes involved in developing promotional messages, from brainstorming, through strategic message revision, to finished tactical message execution. Emphases will include practicing the tactics of the creative promotional concept execution, including targeting and tailoring promotional messages by integrating verbal and graphic message components for delivery across a variety of media platforms, including print, outdoor, broadcast, and interactive.

Prerequisite: AAD 12000, CINE 11000, or MRKT 35040.

APR 41600 - Advertising and Public Relations Competition I (3)

Students will research and develop a real-world comprehensive campaign for the National Student Advertising Competition. Students will engage in market research, strategic planning, market segmentation, branding, messaging strategy, campaign development, art direction, copywriting, production, media planning and placement. Creative executions developed and designed.

Prerequisite: MRKT 35010; junior or senior standing; permission of instructor.

APR 41700 - Advertising and Public Relations Competition II (3)

Students will engage in the final stage of the campaign for the National Student Advertising Competition. Students will prepare the final creative executions and media plan created in Advertising Competition and Public Relations I including the Plans Book and 20-minute client pitch including props.

Prerequisite: MRKT 35010; junior or senior standing; permission of instructor.

APR 42700 - Advertising Campaign Management (3)

This course offers a comprehensive study of the processes involved in the development and deployment of successful advertising campaigns and will focus on the conceptualization, planning, budgeting, project timeline development and measurements of success and other stages of these campaigns. Creating a media plan, market segmentation overview and analysis of response rate are part of this class. An understanding of expectations, investment and return on investment will be reviewed as well.

Prerequisite: APR 34200; APR 36300 or MRKT 35040; MRKT 45070.

APR 44000 - Public Relations Plan Management (3)

A comprehensive study of the processes involved in the development of a public relations plan with a focus on the conceptualization, research, planning, implementation measurements of effectiveness and other stages of these plans. Students will create a press release, media kit, and crisis plan while using several different media to reach the defined publics. An understanding of expectations, the many publics, and how public relations is used in organizations today will be used.

Prerequisite: APR 25000 or MRKT 45070; APR 33900.

APR 45000 - Advertising and Public Relations Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses.

ARTH- Art History

ARTH 10100 - Art History Practicum (0)

All art history majors are required to enroll in Art History Practicum every fall and spring semester throughout their program of study. Students will actively participate in departmental activities through various assignments and meetings. May be repeated. This course is Pass/Fail. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

ARTH 11000 - Concepts in the Visual Arts (3)

GE-Human Culture: Arts This course for non-arts majors presents an introduction to artistic media, historical periods and movements, as well as, the roles of the artist

and the viewer in its interpretation. Problems in observing artworks through an informed perspective, while appreciating the cultural value of such objects within societal norms, will be presented with the goal of engendering an interest, appreciation, and understanding of the fundamental elements of style and aesthetic development in the visual arts. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

ARTH 22300 - Global Art History I: Rise of Cities and Empires (3)

GE-Human Culture: Arts/Human Diversity In this course, you will encounter an historical overview of global art and architecture, spanning from the Prehistoric era to the Fall of Rome circa 500 CE. You'll explore the complex interrelationships among art, society, culture, religion, and geopolitics on a global scale. Beginning with Palaeolithic and Neolithic periods, extending to complex societies in Mesopotamia and Egypt, the course ventures into an analysis of the art and architecture of the Persian Empire and examines the works facilitated by early trade routes. The class continues with the art and material culture of Asia, focusing on the Asuka period in Japan as well as the Qin and Han Dynasties in China. Significant attention is also devoted to the Indus Valley and Gupta Civilizations, which have left indelible marks on the history of art and aesthetics. The course then navigates through the artistic legacies of the Olmec civilization in Mesoamerica and the Cycladic and Minoan cultures in the Aegean before culminating with a study of Classical Greece and Rome. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

ARTH 22500 - Global Art History II: Canvases and Courts of Power (3)

GE-Human Culture: Arts/Human Diversity In this course, you will encounter an historical overview of global art and architecture from the Middle Ages to the Age of Absolutism (ca. 500-1700 CE). You'll explore the dynamic intersections between art, religion, politics, and culture, and study art forms from early South Asian civilizations, such as the Satavahana and Kushan periods, to the indigenous cultures of the Americas, including the Mayan, Toltec, Inca, and Aztec. The course also covers the Mississippian Culture in North America, Japan's varied artistic periods from Nara to Momoyama, the Aksumite Empire in Africa, and the Byzantine and Holy Roman Empires. The course ends with an investigation of the Renaissance and Baroque in Europe; movements that are contextualized within a global artistic panorama. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

ARTH 22700 - Global Art History III: From Colonial Vistas to Avant-Garde Horizons (3)

GE-Human Culture: Arts/Human Diversity In this course, you will explore global art and architecture from the Enlightenment era to contemporary times (ca. 1700-present). Focused on the complex relationships between artistic forms, sociopolitical contexts, and global interconnectedness, the course encompasses art from the Ottoman Empire, Pacific cultures, modern Africa, Qing Dynasty China, Edo period Japan, Indigenous Americas, and 18th-20th-century Europe and America. The course culminates with an in-depth study of Post-War and Global Contemporary Art, examining how avant-garde movements and themes of colonization have shaped artistic discourse. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

ARTH 35300 - Eighteenth-Century Art (3)

GE-Human Culture: Arts This course presents a survey of the major artistic developments in European art from the beginning of the eighteenth century to the eve of the French Revolution. Students will investigate major historical, philosophical, and social movements that impacted artistic production during this period. They will also become familiar with major artists and works fundamental to the development of Rococo and Neo-Classical art. Finally, this class will also examine questions of gender, sexuality, and race in eighteenth-century European society, with a critical consideration of the developments of Eurocentrism and colonization on the global stage. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500. Offered: Fall/Spring/Summer.

ARTH 35400 - Nineteenth-Century Art (3)

GE-Human Culture: Foreign Culture/Human Diversity This course is a study of art in Europe from the later eighteenth century to the early twentieth, focusing on the major works and movements, such as Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism. Emphasis shall be paid to the relationship between art, politics, religion and culture in order to examine, in depth, the emergence of modernism. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 35600 - Baroque Art (3)

GE-Human Culture: Foreign Culture/Human Diversity This course is a study of the developments in Europe from 1600 to 1750 in Italy, France, Spain, Flanders and Holland. Major works and monuments shall be discussed, such as the completion of New St. Peters and the palace of Versailles; as well as major artists, such as Caravaggio,

Bernini, Rubens, Rembrandt and Velázquez, focusing on the relationship between art, society, culture, religion and politics. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 35700 - Ancient Art (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is a study of the developments in art and architecture from the dawn of civilization to the early Middle Ages. Major monuments and works shall be covered in the Ancient Near East, Egypt, the Aegean, Greece, and Rome, including the great Ziggurats of Mesopotamia, the Pyramids at Giza, the Parthenon, Pantheon and Colosseum. Emphasis shall be placed on the interrelationship of art, culture, religion and politics. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 35800 - Medieval Art (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is a study of European art from the fall of the Roman Empire in the fifth century through the end of the Middle Ages in 1400. Beginning with Early Christian and Byzantine art, the major periods, works and monuments shall be discussed including those in the Early Medieval era-Hiberno-Saxon, Carolingian and Ottonian-as well as the later Middle Ages and Romanesque and Gothic art, focusing on the relationship between art, society, culture, religion and politics. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 36100 - Twentieth-Century Art/Modern (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is a study of the developments in Europe and America from the late nineteenth century through the Second World War. Major movements shall be discussed, including Fauvism, Expressionism, Cubism, Dada, and Surrealism, ending with Abstract Expressionism, emphasizing the relationships between art, culture, politics and religion. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 36200 - Twentieth-Century Art/Contemporary (3)

This course is a study of the developments in Europe and America from the Second World War to the Post-modern era. The development of contemporary art and the contributions made since Abstract Expressionism in the visual arts and architecture are examined, emphasizing the

relationships between art, culture, politics and religion. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 36300 - Early Modern Gender Studies (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is a study of the issues relating to gender in the Renaissance and Baroque eras, including social constructions of gender roles both masculinities and femininities. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 36401-36499 - Topics in Non-Western Art (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is a study of select non-Eurocentric cultures and their art and architecture in their original contexts. Particular emphasis will be given to social, cultural, aesthetic, and political contexts in which artistic practices developed embodied in art forms from Asia, Oceania, Africa, the Middle East, Latin America, and others. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 36500 - History of Photography (3)

This course will examine the role and history of photography from its beginnings in the 1830s to the present. Focusing on the key figures, periods, and concepts in the development of this medium, the course will follow the evolution of photography alongside the other visual arts, culminating in its primacy at the end of the twentieth century. Photography as an artistic vehicle and technological tool has advanced many areas of investigation in the sciences and arts. Thus the debate over the evolving technological and technical processes, and the "nature" of the medium, will be discussed as well as the influence it has had on the broader evolution of the history of art. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000.

ARTH 36900 - History of Graphic Design (3)

This course is the study of the history of graphic design from its appearance in prehistory to the present with an emphasis on the influence of technology, culture, major artistic movements, and socio-political factors on the evolution of graphic design. The work and philosophies of historically significant design movements, designers, and design firms will be studied in depth through readings, lectures, as well as technical application. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000.

ARTH 37000 - History of Games and Critical Theory (3)

This course will explore the history of video games from their influences and precursors to contemporary gaming on various platforms. Major game genres and technological developments shall be discussed within their appropriate socio-historical contexts, as well as the application of critical theory to the discipline. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000.

ARTH 38000 - History of Digital Art (3)

This course will explore the history of new media and digital art from their influences and precursors in photography to digital technologies impact on art. Major genres and technological developments shall be discussed within their appropriate socio-historical contexts, as well as the application of critical theory to the discipline. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000.

ARTH 38300 - Renaissance Art (3)

GE-Human Culture: Foreign Culture/Human Diversity
This course is a study of painting, sculpture, and architecture of the Renaissance from 1300 to 1600. Beginning with late Medieval art, the major periods, works and monuments shall be discussed including those of the Early Renaissance, High Renaissance and Late Renaissance, focusing on the relationship between art, society, culture, religion, and politics. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Complete two from ARTH 22300, ARTH 22500, and/or ARTH 22700.

ARTH 38400 - Classical Myth (3)

GE-Human Culture: Foreign Culture/Human Diversity
This course will investigate the Classical myths of ancient Greece and Rome in their cultural context. An overview of the principle myths shall be treated in order to discuss the relationship between myth and literature, and then the rather different relationship between myth and art, so as to understand better the nature of the sources for the myths and their use in Greco-Roman religion and epistemology. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000. Offered: Summer.

ARTH 38600-38699 - Special Topics (1-3)

Special topics in art history. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500.

ARTH 38700-38799 - Special Topics (1-3)

GE-Human Culture: Foreign Culture/Human

Diversity Special topics in art history. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500.

ARTH 38800-38899 - Special Topics (1-3)

GE-Human Culture: Arts/Human Diversity

Special topics in art history. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500.

ARTH 38900 - Art Theory and Criticism (3)

GE-Human Culture: Foreign Culture/Human

Diversity This course is a study of the major theoretical and critical lines of thought that have shaped understanding of the arts, their role in society, and their reception, use, and appreciation from antiquity to the present. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500.

ARTH 38901-38999 - Study Abroad (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38901 - Study Abroad: Late Medieval Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300 and ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38902 - Study Abroad: Early Renaissance Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38903 - Study Abroad: High Renaissance and Mannerist Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38904 - Study Abroad: Renaissance Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38905 - Study Abroad: Early Baroque Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38906 - Study Abroad: High Baroque and Rococo Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38907 - Study Abroad: Women and the Arts in Italy (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38908 - Study Abroad: Modern European and Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38909 - Study Abroad: Contemporary Art: Biennale and Beyond (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38910 - Study Abroad: Contemporary European and Italian Art (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38911 - Study Abroad: Contemporary Art Theory and Criticism (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38912 - Study Abroad: Museology (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38913 - Study Abroad: Museology Internship (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38914 - Study Abroad: Conservation Law, Business and Management (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific

information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 38915 - Study Abroad: Diagnostic Techniques for Conservators (3)

The Study Abroad courses are offered at Studio Art Centers International Florence. See the director of the Art and Art History study abroad program for specific information. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ARTH 22300; ARTH 22500; minimum GPA of 2.5; and/or permission of the dean. Offered: Fall/Spring.

ARTH 41000 - Research Methods of Art History (3)

This capstone course seeks to introduce art history students to the methods of research and criticism applied to typical art-historical problems through familiarizing the student with bibliography, research tools and the approaches of different methodologies. Students will demonstrate proficiency in the canon of art via written examination, produce a methodological research paper and present their original research in an oral presentation. This course is required for all Art History majors. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Senior standing.

ARTH 42000 - Directed Research (3)

This independent research class allows students to develop a focused topic working closely with a faculty member to conduct research. Advanced research methods will be utilized to develop a thorough bibliography of primary, secondary and theoretical sources on the student's topic, often developing their capstone paper further. This is an undergraduate research course. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Senior standing; permission of dean.

ARTH 46500 - Art History Internship (3-6)

Supervised work experience for the advanced student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of six credit hours. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000 with C or better; junior standing; permission of dean.

AST-American Studies

AST 20001 - Introduction to American Studies (3)

GE-Human Culture: US History/Government This introductory and multidisciplinary course frames some of

the central issues of American Studies today. We will provide a structure to consider how ideas of America have changed over time and in relation to larger uncertainties surrounding nation, empire, citizenship, race, and sexuality. Because this course will (at least) attend to literature, history, sociology, political science, ethnic studies, and gender studies, students will learn about different approaches and methodologies within American Studies; at the same time, prospective minors will learn key concepts within the field to help them for subsequent American Studies courses.

AST 30200 - Public History (3)

This course is designed to introduce history majors, prospective history majors, and other interested undergraduates to career possibilities in public history. The course studies the various ways in which historians work outside the classroom in arenas that allow their work to be read, seen, heard, and interpreted by popular audiences. This course will focus on five different but related areas: archives, museums, historic preservation, historic sites, and media. Students will study the history of each of these areas, the theories that support them, and some aspects of the work involved. In addition, students will study controversies and ethical problems that public historians have faced. Not open to students with credit in HIST 30200.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

AST 32000 - America: The Search for a More Perfect Union (3)

GE-Human Culture: US History/Government This class will give students an overview of the evolution of events, ideas, and trends as Americans in the nineteenth century sought to fulfill the Constitutional promise of creating "a more perfect union." Through documents, laws, literature, speeches, and visual culture, students will explore the development of the ideas and events that shaped the United States of the twentieth—and twenty-first—centuries.

Prerequisite: ENGL 17000 with a C or better. Cross-Listed as: HIST 32000.

AT - Athletic Training

AT 22200 - Introduction to Ergonomics (3)

This course is designed to provide the student with the knowledge and skills to identify ergonomic issues in the home, school, and workplace that can cause musculoskeletal disorders and repetitive strain injuries.

AT 25000 - Clinical Practicum I (2)

This course is designed to assist students in becoming proficient in various taping/bandaging techniques commonly used in the athletic training profession. Students

will further their knowledge of taping techniques for both upper and lower extremities, as well as immediate care for athletic injuries. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Admittance into the Athletic Training Program is required.

Prerequisite: Permission of dean. Offered: Fall.

AT 26000 - Clinical Practicum II (2)

This course will improve the athletic training students understanding of evidence based research, and specifically, in its application within the field of sports medicine. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Students are required to be in good standing within the athletic training program.

Prerequisite: AT 25000. Offered: Spring.

AT 28000 - Introduction to Athletic Training Lab (1)

This course is designed to develop taping skills for upper and lower extremity pathologies commonly seen in athletics. Students will also be exposed to proper methods in basic wound care, splinting, bandaging, crutch fitting, and therapeutic modalities.

Offered: Spring.

AT 28300 - Clinical Experience I (3)

This is an introductory course in athletic training with emphasis on what it takes to become an athletic trainer. The student, under the direct supervision of a Staff Certified Athletic Trainer, will complete 165 hours of game and practice observation and athletic training room responsibilities as part of the pre-requisites for the Athletic Training Education Program (ATEP). This clinical experience must be completed prior to formal admission into the ATEP.

Offered: Fall/Spring.

AT 28500 - Introduction to Athletic Training (3)

This is an introduction course in athletic training with emphasis on current practices in Athletic Training and Sports Medicine. The course will concentrate on techniques used in prevention, treatment, and recognition of injuries.

Offered: Fall/Spring.

AT 30000 - Principles of Rehabilitation (3)

This course is designed to provide students with an understanding of core principles for the rehabilitation of common musculoskeletal and neurological conditions. Students will learn basic terminology, principles, and theory regarding rehabilitation, and the course will build on the student's understanding of biomechanics, kinesiology, and physical conditioning in their application to physical rehabilitation and reconditioning.

Prerequisite: HFS 31000 or EXS 32500. Offered: Fall.

AT 30100 - Therapeutic Exercise and Rehabilitation of Athletic Injuries (3)

This course will study the ways therapeutic exercise can be applied to the treatment of various athletic injuries including modes of strengthening, flexibility improvement, facilitation techniques, post-operative exercises, muscles testing, and functional activities. This course is taken in conjunction with AT 38000.

Prerequisite: HFS 31000 or EXS 32500; EXS 31500, EXS 31600, AT 30300, AT 38200, and AT 30000. Offered: Spring.

AT 30200 - Assessment of Athletic Injuries-Lower Body (3)

This course will study the mechanism of injuries and specific orthopedic evaluation to determine injury pathology found in lower body injuries in athletics. Mechanism of injury, history, observation and palpation of injuries, range of motion, strength testing, and special testing will all be covered. Taken in conjunction with AT 38100.

Prerequisite: HFS 20800; HFS 31000 or EXS 32500. Offered: Spring.

AT 30300 - Assessment of Athletic Injuries-Upper Body (3)

This course will study the mechanism of injuries and specific orthopedic evaluation to determine injury pathology found in upper body injuries in athletics. Mechanism of injury, history, observation and palpation of injuries, range of motion, strength testing, and special testing will be covered. Taken in conjunction with AT 38200.

Prerequisite: AT 30200; AT 38100. Offered: Fall.

AT 30400 - Therapeutic Modalities (3)

This class includes review of physiological and psychological responses to injury and the theory and application of hydrotherapy, electrotherapy, thermotherapy, cryotherapy, and manual and mechanical techniques for the prevention and care of athletic injuries. The knowledge and implementation of treatment protocol will also be challenged. Taken in conjunction with AT 38600.

Prerequisite: BSC 22800. Offered: Spring.

AT 30700 - Foot Orthosis: Casting and Fabrication (3)

Students will learn the biomechanical reasons and diagnoses that require orthotics to be prescribed and the basics of biomechanical evaluations. Students will be exposed to step-by-step procedures of casting, constructing and grinding of a foot orthosis.

Prerequisite: Six credit hours of GE Natural Science or GE Natural Science with Lab courses; sophomore standing.

AT 35000 - Clinical Practicum III (2)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency in the areas of injury prevention, assessment, and management for pathologies of the lower body. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Students are required to be in good standing within the athletic training program.

Prerequisite: AT 26000; AT 30200; AT 38100. Offered: Fall.

AT 36000 - Clinical Practicum IV (2)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency in the areas of injury prevention, assessment, and management for pathologies of the upper body. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Students are required to be in good standing within the athletic training program.

Prerequisite: AT 30300, AT 35000, and AT 38200. Offered: Spring.

AT 38000 - Therapeutic Exercise and Rehabilitation of Athletic Injuries Lab (2)

This class is used to understand and perform the exercises used in rehabilitation for both upper and lower extremities as well as neck, torso and low back. Specific injuries and doctors' protocols will be studied. Taken in conjunction with AT 30100.

Offered: Spring.

AT 38100 - Assessment of Athletic Injuries-Lower Body Lab (2)

This course is designed to apply the clinical skills of taking a history, observation and palpation, and measuring range of motion, strength, and special tests of the lower body. Taken in conjunction with AT 30200.

Offered: Spring.

AT 38200 - Assessment of Athletic Injuries-Upper Body Lab (2)

This course is designed to apply the clinical skills of taking a history, observation and palpation, and measuring range of motion, strength, and special tests of the upper body. Taken in conjunction with AT 30300.

Prerequisite: AT 30200 and AT 38100. Offered: Fall.

AT 38300 - Clinical Experience II (3)

This course is designed to assist students in becoming proficient in various taping/bandaging techniques commonly used in the athletic training profession. Students

will further their knowledge of taping techniques for both upper and lower extremities and will develop proficiency in first aid and wound care, splinting, bandaging, crutch fitting, and administering therapeutic modalities. Students will be assigned a clinical rotation with an athletic team to complete 165 hours and all necessary competencies and proficiencies under the supervision of a preceptor.

Prerequisite: AT 28000, AT 28300, and AT 28500. Offered: Fall.

AT 38400 - Clinical Experience III (3)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency in the areas of injury prevention, assessment, and management for pathologies of the lower body. Students will be assigned a clinical rotation with an athletic team to complete 165 hours and all necessary competencies and proficiencies under the supervision of a preceptor.

Prerequisite: AT 30200 and AT 38100, or HFS 20800; AT 38300. Offered: Spring.

AT 38500 - Clinical Experience IV (3)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency in the areas of injury prevention, assessment, and management for pathologies of the upper body. Students will be assigned a clinical rotation with an athletic team to complete 165 hours and all necessary competencies and proficiencies under the supervision of a preceptor.

Prerequisite: AT 30200, AT 38100, and AT 38400. Offered: Fall.

AT 38600 - Therapeutic Modalities Lab (1)

This course is designed to identify how to utilize therapeutic modalities most effectively in order to prepare the athletes for a quick and safe return to their sport. Therapeutic modalities covered in lab consist of cryotherapy, thermotherapy, electrical stimulation, ultrasound, diathermy, massage, and cold laser therapies. This course is taken in conjunction with AT 30400.

Prerequisite: BSC 22800. Offered: Spring.

AT 42800 - Clinical Experience V (3)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency of previously instructed skills. Students will be assigned a clinical rotation with an athletic team to complete 165 hours and all necessary competencies and proficiencies under the supervision of a preceptor.

Prerequisite: AT 30400, AT 38600, and AT 38500.
Offered: Spring.

AT 42900 - Clinical Experience VI (3)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency of previously instructed skills. Students will be assigned a clinical rotation with an athletic team to complete 165 hours and all necessary competencies and proficiencies under the supervision of a preceptor.

Prerequisite: AT 30100, AT 38000, AT 42800, EXS 31500, and EXS 31600. Offered: Fall.

AT 43100 - Organization and Administration of Athletic Training (3)

This course examines the various policies and procedures involved with the administration of athletic training. Studies include facility organization and design, legal liability, personnel management, equipment, maintenance, budgeting, recordkeeping, health-care services, counseling, and public relations.

Prerequisite: Senior standing. Offered: Fall.

AT 43200 - Pharmacology (3)

In this course, students will develop an understanding of basic pharmacology, terminology, pharmacokinetics, pharmacodynamics, and administration of drugs and their application within the profession of athletic training. Topics will include the mechanism of action, side effects, drug interactions, indications, and contraindications of a wide spectrum of drugs that one may encounter while working in the athletic training profession. Specific discussions will also focus on the effects of drugs on physical activity, commonly used ergogenic aids and other supplements, the current list of banned substances in athletic organizations, and drug testing procedures.

Prerequisite: BSC 22800. Offered: Fall.

AT 43300 - Pathology of Non-Orthopedic Injuries and Illness (3)

This course prepares the athletic training student for assessing and managing non-orthopedic injuries and illnesses that one may encounter while working in the athletic training profession. The course will focus on the etiology, signs and symptoms, pathological course, treatment, and prognosis of various conditions, such as pathological conditions of the skin, eyes, ears, nose, and throat. Other areas of discussion will include pathological conditions pertaining to the following systems: respiratory, cardiovascular, endocrine, genitourinary, and neurological.

Prerequisite: AT 30300; AT 38200; BSC 22800. Offered: Fall.

AT 43800 - Senior Seminar (1)

Students will begin preparing for the Board of Certification examination. Instruction will focus on students developing an individualized study plan to succeed on the BOC examination through self-assessment exams. Students will be further prepared for their certification examination by developing a deep understanding of the BOC requirements, the National Athletic Trainers' Association (NATA) Role Delineation Study, the NATA position statements, and the NATA domains of athletic training. As part of this course, students will also actively participate in attending an ACES workshop to further their preparation.

Prerequisite: Senior standing. Offered: Spring.

AT 43900 - Athletic Training Integrating Experience (3)

Students will apply the skills and competencies they have learned by doing internships at three different athletic training settings. These settings will be traditional and nontraditional.

Prerequisite: Senior standing. Offered: Fall/Spring.

AT 45000 - Clinical Practicum V (2)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. The course will provide an opportunity to the student to demonstrate clinical proficiency in the areas therapeutic exercise, therapeutic modalities, and other various aspects of rehabilitation, such as program design, implementation, and progression. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Students are required to be in good standing within the athletic training program.

Prerequisite: AT 30100; AT 30400; AT 36000; AT 38000; AT 38600. Offered: Fall.

AT 46000 - Clinical Practicum VI (2)

This course is designed to expose the student to experiences common in the field of practice as athletic training professionals. Students will be challenged to assess situations and use their knowledge and critical thinking skills to develop intervention plans for common athletic injuries. Students will also be expected to complete a case report and poster presentation as a culminating project to demonstrate their understanding of research within the field of athletic training. Students will be assigned a clinical rotation with an approved preceptor to assist with clinical development. Students are required to be in good standing within the athletic training program.

Prerequisite: AT 45000. Offered: Spring.

BSC - Biological Sciences

BSC 10000 - Concepts in Biology (4)

GE-Natural Science with Lab This course examines mechanisms of evolution, cellular biology, genetics, and ecology with emphasis on scientific methods, historical developments, current applications, and ethical issues. Laboratory activities reinforce classroom learning.

BSC 10700 - Human Biology (3)

GE-Natural Science This course studies human physiological and anatomical systems as they apply to health, disease, and social interactions.

BSC 10800 - Biology of the Human Body (3)

GE-Natural Science with Lab This course will study the physiology and the anatomical systems found in the human body. A reduced laboratory component will be included.

BSC 11000 - Principles in Biology (3)

GE-Natural Science This course examines mechanisms of evolution, cellular biology, genetics, and ecology with emphasis on scientific methods, historical developments, current applications, and ethical issues.

BSC 11100 - Introductory Lab Techniques in Biology (3)

This is a hands-on study of the basic techniques of biological experimentation such as microscopy, reagent preparation, chromatography, electrophoresis, spectro photometry and centrifugation.

BSC 11200 - Environmental Biology (4)

GE-Natural Science with Lab For non-majors, this course is a study of the biological systems comprising the biosphere and those perturbations which would threaten homeostasis of the systems.

BSC 11400 - Principles of Environmental Biology (3)

GE-Natural Science For non-science majors, this course is a study of the biological systems comprising the biosphere and those perturbations which would threaten homeostasis of the systems.

Corequisite: Must be taken concurrently with BSC 11500.

BSC 11500 - Environmental Biology Laboratory (1)

GE-Natural Science Lab This course must be taken concurrently with BSC 11400. The course includes hands-on activities in both field and classroom settings that complement the topics covered in BSC 11400.

Corequisite: Must be taken concurrently with BSC 11400.

BSC 12100 - Nutrition (3)

GE-Natural Science This course is a study of nutrition emphasizing food molecules, their metabolic value and daily allowances. The importance of informed nutritional choices and their effects on health will also be examined.

BSC 22700 - Human Anatomy and Physiology I (4)

GE-Natural Science with Lab This course is a study of structure and function in the human body, including the following systems: integumentary, skeletal, muscle, endocrine, nervous, and sensory.

Prerequisite: BSC 10000 with a C or better, or BSC 24400 with a C or better, or two semesters of high school biology with a minimum C or better.

BSC 22800 - Human Anatomy and Physiology II (4)

GE-Natural Science with Lab This course is a study of structure and function in the human body, including the following systems: respiratory, cardiovascular, excretory, digestive, reproductive, and immune.

Prerequisite: BSC 22700 with a C or better.

BSC 23000 - Microbiology for Health Sciences (4)

This course examines microorganisms as they relate to human health and disease. Students will learn the cell structure, growth, and genetics of microorganisms in general, and the pathogenesis of specific microorganisms. The function of the immune system and the effectiveness of antibiotic agents will also be covered. Laboratory investigations will include safety, basic procedures, aseptic technique, isolation, growth and identification of microorganisms, and inquiry into the effect of antibiotics on growth of bacteria and the development of antibiotic resistance.

Prerequisite: BSC 10000, BSC 22700, or BSC 24400.

BSC 24200 - Introduction to Biodiversity (3)

GE-Natural Science This lecture course will be a study of basic biological principles related to the diversity of living organisms and their development. Topics covered will include taxonomy, morphology, life cycles, and developmental relationships among the prokaryotes, protists, fungi, plants, and animals. This is a rigorous GE course designed and intended for sciences majors.

Prerequisite: MTH 11000. Corequisite: BSC 24300.

Offered: Fall/Spring.

BSC 24300 - Introduction to Biodiversity Laboratory (1)

GE-Natural Science Lab This course consists of one 2.5-hour laboratory period per week. Laboratory includes hands-on experimental procedures of biological diversity.

Prerequisite: MTH 11000. Corequisite: BSC 24200.

Offered: Fall/Spring.

BSC 24400 - Introduction to Cellular and Molecular Biology (4)

GE-Natural Science with Lab This course introduces students to the scientific concepts of biologically important molecules, cell structure/ function, Mendelian and molecular genetics. Lab activities will reinforce lecture concepts, introduce techniques, and model modern scientific inquiry. This is a rigorous General Education course designed and intended for science majors.

Prerequisite: CHM 23000 with a C or better or placement into CHM 23100.

BSC 24800 - Introduction to Ecology and Evolution (4)

This course will study the basic biological principles related to the diversity of living organisms and their environment. Topics covered will include evolution and the ecological relationships among the prokaryotes, protists, fungi, plants, and animals.

Prerequisite: BSC 24400 with a C or better.

BSC 26300 - Environmental Policy (3)

This course is an introduction to the development of environmental policy in the US and the role of international law. Included is an examination of development and implementation of environmental regulations, conservation and municipal management and environmental impacts of regulation.

Prerequisite: BSC 10000 or higher or CHM 10000 or higher. Cross-Listed as: ESC 26300.

BSC 28000 - Introduction to Clinical Laboratory Science (3)

This course introduces students to the laboratory procedures and subject matter of clinical laboratory science. Taught at St. John's Mercy Medical Center.

Prerequisite: BSC 40400; CHM 23200 with a C or better; permission of dean.

BSC 28500 - Methods and Writing for Biology (1)

Students will be introduced to locating and reading scientific literature and scientific writing.

Prerequisite: BSC 24000 with a C or better or BSC 24200 with a C or better.

BSC 30200 - Biometry I: Introduction to R (2)

The R statistical programming language is a common and freely accessible option for publication-level data analysis. This course will introduce the use of R while also reinforcing concepts of scientific inquiry, experimental design, and inferential statistics. Foundational instruction in computer programming will be provided—no prior programming experience is necessary. Example data sets used in class will be drawn from various biological disciplines, providing many examples for application. An emphasis will be placed on the versatile and powerful graphical capabilities of R. This course is applicable as an elective for all emphases within the biology major.

Prerequisite: BSC 24400 with a C or better; either (MTH 24100 with a C or better) or (MTH 14100 and MTH 24000 with a C or better.)

BSC 32000 - Plant Biology (4)

This lecture and laboratory course examines concepts in cell biology, energy transformation, genetics, evolution, ecology, anatomy, reproduction, and taxonomic characteristics of plants.

Prerequisite: BSC 24400 with a C or better; BSC 24800 with a C or better.

BSC 33200 - Plant Physiology (4)

This course is an in-depth examination of plant growth and development, including plant cells, biochemistry, development, and environmental physiology.

Prerequisite: BSC 32000; CHM 23200 with a C or better.

BSC 34100 - Vertebrate Zoology (4)

A survey of vertebrate animals covering evolution, natural history, behavior, and ecology. Laboratory activities will focus on identification and anatomy.

Prerequisite: BSC 24800 with a C or better.

BSC 35300 - Microbiology (4)

This course relates major principles in biology to the microbial world. Primary emphasis is on prokaryotes and viruses. Both general and health-related applications of microbiology are studied to project microbiology into the clinical setting and emphasize its importance in healthcare. Laboratory activities will illustrate the procedures used in the isolation and identification of microbes, as well as the principles of asepsis and disinfection.

Prerequisite: BSC 24400; CHM 23200 with a C or better.

BSC 35800 - Parasitology (3)

This lecture and laboratory course on parasites of importance to human health and economics emphasizes vectors, reservoirs, hosts, and those ecologic and epidemiologic factors associated with disease transmission and prevention.

Prerequisite: BSC 24400 with a C or better; BSC 24800 with a C or better.

BSC 36200 - Advanced Environmental Biology (4)

This course emphasizes analysis of environmental problems. Basic ecological principles are used to examine problems of human interactions with the ecosphere.

Prerequisite: BSC 24800 with a C or better.

BSC 36400 - Entomology (4)

This course is the study of insects, including anatomy and physiology, identification and characteristics of common orders and families, ecological roles and significance, and importance to human lives.

Prerequisite: BSC 24400; BSC 24800 with a C or better.

BSC 36600 - Field Biology (3)

This course provides students interested in field biology with the necessary background and tools to carry out field research projects. Students learn to analyze and describe populations and communities of organisms and the environments in which they are found. Students learn to use mathematical and chemical procedures for analyzing data and samples.

Prerequisite: BSC 24800 with a C or better; MTH 24100 with a C or better.

BSC 36800 - Biology in Society (2)

In this discussion-based course, students will analyze current biology topics garnering media attention. Topics may include uses of stem cell technology, GMO safety for human and environmental health, child vaccination, human-caused climate change, and the efficacy and health consequences of popular diets. Students will practice critiquing both peer-reviewed journal articles and popular media sources like web-pages, magazine and newspaper articles, and videos to evaluate the validity of claims made in these publications.

Prerequisite: BSC 24000 or BSC 24200; BSC 24400 with a C or better.

BSC 37400 - Embryogenesis (3)

Embryogenesis is the process by which an embryo forms and develops. We will focus on the cellular and molecular basis of embryonic development using model organisms to understand human embryogenesis. Topics covered include fertilization, axis specification, differentiation and morphogenesis.

Prerequisite: BSC 24400 with a C or better.

BSC 40400 - Cell Biology (4)

This course examines cellular and subcellular structure, organization, and function with emphasis on relationships between cell structure and the dynamics of the cell. Hands-on laboratory experiments strengthen understanding of these concepts.

Prerequisite: BSC 24400; CHM 23200 with a C or better.

BSC 40800 - Genetics (4)

The course is a study of classical and modern genetics, including Mendelian inheritance, the genetic code, gene interactions, gene control, and population genetics.

Prerequisite: BSC 24400 with a C or better; either (MTH 24100 with a C or better) or (MTH 14100 and MTH 24000 with a C or better.)

BSC 41300 - Immunology (3)

This course introduces students to the role of blood cells in the defense of the human body. Cells and organs of the immune system, immune effect or mechanisms, and the immune system in health and disease will be covered.

Prerequisite: BSC 40400 with a C or better.

BSC 42200 - Biochemistry: Metabolism (4)

This course focuses on understanding metabolic pathways and provides an in-depth examination of cellular energetics, regulation, and metabolic disease. Students will apply chemical principles to understanding protein function, enzyme mechanism, and chemical understanding of the pathways of metabolism. The laboratory portion of this course will introduce biochemistry procedures used to purify proteins and measure enzyme activity.

Prerequisite: CHM 36200 with a C or better; BSC 40400 or CHM 42100. Cross-Listed as: CHM 42200.

BSC 46400 - Evolution (3)

This course is an in-depth study of evolutionary theory and its implications throughout biology. Topics include Darwinian Natural Selection, mechanisms of evolutionary change, adaptation, and the history of life on earth.

Prerequisite: BSC 24800 with a C or better and BSC 40800 with a C or better.

BSC 46500 - General Ecology (4)

This course is the study of ecology, including ecosystem dynamics, models of population growth and distribution, measurement of energy flow, and population dynamics.

Prerequisite: (BSC 24800 and BSC 28500 with a C or better) and either (MTH 24100 with a C or better) or (MTH 14100 and MTH 24000 with a C or better).

BSC 48000 - Independent Research (1-6)

May be repeated for credit. This is an undergraduate research course.

Prerequisite: Permission of the dean.

BSC 48400 - Biological Sciences Internship (1-3)

Student will gain marketable job skills and increased knowledge of a biological system through hands-on work experience in an industry, conservation, academic, research, or other relevant biological science-related internship. Projects will be conducted in the field, lab or place of work under a supervisor from the institution offering the internship. Student is responsible for finding and applying for an internship and must have secured the internship prior to enrolling in the course. May be repeated for a maximum of 6 credit hours.

Prerequisite: Permission of instructor. Offered: Fall/Summer/Spring.

BSC 48800 - Genetics of Evolution (2)

This is a capstone course for Biological Sciences majors intended to be taken in the last year of the program. Students will learn theories of genetics and how they have shaped evolution using team-based case study analysis. This course uses information learned from previous classes and applies it to new situations.

Prerequisite: BSC 28500 with a C or better; senior standing. Corequisite: BSC 40800 or BSC 46400.

CAH - Arts and Humanities

CAH 18600-18699 - Special Topics (1-3)

Special topics in arts, media, and communications. May be repeated as topics vary. Course fee may be required.

CAH 20501 - Fundamentals of Applied AI (3)

GE: Communication The comprehensive introductory course introduces students to the foundational concepts and techniques of applied artificial intelligence (AI). Designed for diverse academic backgrounds, students will learn how to communicate with AI, both in terms of understanding how human-AI collaboration works and how to produce content. Through a combination of lectures, practical exercises, and case studies, students will develop a solid understanding of the core principles and applications of AI. The course will demystify AI and introduce non-specialists to topics such as machine learning, natural language processing (NLP), computer vision, data analysis, and the design and evaluation of prompts. Students will gain hands-on experience with AI tools and frameworks, enabling them to apply their knowledge to real-world problem-solving scenarios.

*GE designation, course title, and course description updated after publishing — March Addendum — 3/20/2024***

Prerequisite: ENGL 15000.

CAH 28600-28699 - Special Topics (1-3)

Special topics in arts, media, and communications. May be repeated as topics vary. Course fee may be required.

CAH 30501 - Intermediate Generative AI Tools and Human-Centered AI Applications (3)

This course builds on the fundamentals of applied AI and prompt engineering, and will introduce you to a wider range of generative AI tools and methodologies. You will explore different applied AI tools such as GANs, VAEs, large language models, and generative text-to-image tools. Through hands-on projects and case studies, you will gain practical experience in implementing these tools and applying them to solve real-world problems using human-centered approaches.

Prerequisite: CAH 20501; ENGL 17000.

CAH 36500 - Digital Research (3)

GE-Communication In today's hyperlinked and data-flooded digital world, there are many tools we can use to enhance our research and publication abilities. This course will introduce you to digital tools most often used for research in the areas of languages, history, the arts, and more; skills which are transferable to research in any discipline. We will learn how we can study text and data to ask research questions, learn how to use digital tools to

analyze text and data, and how to eventually publish utilizing those tools. No previous computer experience required.

Prerequisite: ENGL 17000 with a C or better.

CAH 38600-38699 - Special Topics (1-3)

Special topics in arts, media, and communications. May be repeated as topics vary. Course fee may be required.

CAH 43000 - Arts Entrepreneurship (3)

This course helps students capitalize on their creative and artistic skills in a competitive marketplace. Students apply principles of business to careers in arts and entertainment. Concepts include developing business plans, fundraising, budgeting, project management, personal branding, accounting, and monetizing content.

Prerequisite: ENGL 17000.

CAH 44444 - Internship (1-6)

Supervised work experience for the advanced student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of 12 credit hours. This course is graded on a Pass/Fail basis.

Prerequisite: Junior standing; 2.5 cumulative GPA; 3.0 in program of study. Offered: Fall/Spring/Summer.

CAH 48600-48699 - Special Topics (1-3)

Special topics in arts, media, and communications. May be repeated as topics vary. Course fee may be required.

CCJ - Criminology and Criminal Justice

CCJ 11000 - Criminal Justice Systems (3)

This course offers a survey of various institutions by which the criminal justice system is administered including the police, the legal profession, the courts, and penal institutions as well as an examination of the problems which the criminal justice system faces and an evaluation of the adequacy of the existing system.

Offered: Fall/Spring.

CCJ 20000 - Criminology (3)

GE-Social Science This course is designed to introduce students to the field of criminology, the scientific study of crime and related theories. Exploration of the development of criminal law, how crime is defined, trends and patterns of crime, and who is most likely to be a victim of crime will be covered. This course is designed as an overview analyzing the strengths and weaknesses of current theories of crime and causation from perspective based on empirical research.

Offered: Fall/Spring.

CCJ 20500 - Criminal Justice Observation (1)

Students observe criminal justice practitioners in the areas of police, courts, corrections, or related areas. Students will benefit by observing the relationship between theory and practice in a work related setting.

Offered: Fall/Spring.

CCJ 22500 - Comparative Crime and Justice Studies (3)

GE-Human Culture: Foreign Culture/Human Diversity This course introduces students to contemporary issues relevant to crime and the operation of criminal justice systems around the world. Topics may include but are not limited to: comparisons of International crime data and models of justice at each level of the criminal justice system, Transnational Crime and Justice issues, Global Criminology, Human, Arms and Drug Trafficking across borders, Violence against women and The International Criminal Court. Students will gain knowledge and understanding of diverse people and cultures outside of the United States in a framework that broadens their understanding and appreciation of divergent perspectives regarding crime and justice. Cross-cultural analyses will facilitate critical thinking regarding race, gender and class structures, globalization challenges, and strengths and weakness of various systems, including the one wherein they reside. Offered regularly. Intermittently offered with or without a travel component.

CCJ 24000-24999 - Special Topics in Criminology and Criminal Justice (1-3)

This course deals with a specialized topic in criminology and criminal justice. Subject areas will change from time to time to reflect relevant issues within the field of criminal justice. Possible topical fields may be drawn from such areas as comparative criminal justice, the history of criminal justice, cybercrimes, gangs, organized crime, probation and parole, and criminal profiling. The particular topic to be addressed will be announced and a course description provided at the time of registration. The course is open to all students and no prerequisites are required.

CCJ 24500 - Police Academy Preparatory (3)

This course is required for only those students interested in applying to and attending the St. Louis County and Municipal Police Academy the following January as part of Lindenwood University's partnership with such entity. Students are required to meet with the instructor during hours that closely mirror the required hours they will attend the academy if accepted as a cadet. All activity will consist of preparatory physical conditioning and basic police training assignments.

Prerequisite: Permission of dean.

CCJ 25000 - Understanding Police Use of Force (3)

This course will deal with a more in-depth understanding of police use of force. Many have opinions about whether force is justified in scenes publicized by the media. Unfortunately, many are not informed to make educated opinions about an incident. This course will allow students to debate viewable police use of force and determine if the actions by citizens warrant such force by police. Additionally, the course will provide students with the ability to think objectively about what they see without using any pre-conceived biases in their opinions. Students will furthermore see how police perceive use of force compared to citizens. Because public criticism frequently follow instances of alleged excessive force, which affects police citizen relationships, this course is structured for all and not only CCJ students who form opinions about the activities of their local police departments. There are no prerequisites for this course.

Offered: Fall/Spring/Summer.

CCJ 30000 - Policing in America (3)

This course is an analysis of the contemporary role of the police relative to such areas as the police subculture and community relations, police accountability and civil liability, police stress, and unique problem situations and groups encountered by the police.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 30100 - Criminal Law and Procedure (3)

The goals of the course are to extend the basic concepts learned in the prerequisite courses, introduce more in-depth analysis of criminal law and our criminal justice system, strengthen the students' understanding of the law and enhance the students' ability to think critically and analytically. Moreover, the course will provide a platform to demonstrate practical applications of criminal law and procedure. This course will prepare the student to achieve higher levels of learning in their degree curriculum and serve as a solid foundation of knowledge for future work experience.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 30500 - Corrections (3)

This course is a contemporary analysis of the operation of and problems encountered by jails and prisons as well as the study of probation, parole, community service and restitution, electronic monitoring, and other innovative community correctional programs.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 31000 - Forensic Anthropology: An Introduction (3)

This course introduces students to the complex and diverse field of Forensic Anthropology. Most forensic studies and disciplines originated from the field of Anthropology. Students will gain an understanding of the multidisciplinary aspects of the field including human

remains identification and analysis, medicolegal context, and crime scene investigation. This will be accomplished within the context of scientific principles of physical anthropology and biology. This course can serve as a part of the foundation for career in forensic science. Lab fee required.

Prerequisite: ANT 13100, BSC 22700, CCJ 20000, or PSY 30300. Offered: Fall. Cross-Listed as: ANT 31000.

CCJ 31100 - The Juvenile Justice System (3)

This course is an examination of the origin, philosophy, and objectives of the juvenile justice system. Emphasis will be placed on the decision making process of police, court, and probation officials relative to the apprehension, processing, and treatment of juveniles. Supreme Court decisions in the juvenile field also will be addressed.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 31500 - Victimology (3)

This course is designed to familiarize students with victimology, a sub-discipline of criminology concerned with the scientific study of victims in contemporary society. Topics covered include but are not limited to: the development and evolution of the victim movement in the United States, theories of victimization, empirical examination of pertinent issues, understanding differential rates of victimization based on individual characteristics, the impact of institutions such as the media and criminal justice system, and critical analysis of social policies designed to address the plight of victims. Detailed consideration of specific victim populations and types of victimization will be emphasized in turn throughout the semester. Upon successfully completing this course, students will have not only an in depth understanding of victimology and relevant research, but also gain the skills to think critically about victimization as it relates to the criminal justice system and bridge the gap between theory and practice.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 32000 - Race, Crime, and Punishment (3)

A comparative study of racial differences in offending patterns, which will focus on the over-representation of minorities in the criminal justice system. Possible causes, current research, government policies, initiatives, and laws will be explored and evaluated. This will be an interactive, discussion-focused special topics course, which will appeal to criminal justice majors but also to anyone working in fields that interface with offenders like social work, psychology, sociology and political science.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 32100 - White-Collar Crime (3)

Students will examine the definition and scope of the problems associated with White-Collar Crime. The American public often overlooks the violent aspects of elite deviance. Additionally, this course will address the

costs, institutional corruption, religious fraud, environmental crimes, and the manufacture and distribution of unsafe consumer products.

Prerequisite: CCJ 11000; CCJ 20000.

CCJ 32200 - Social Deviance (3)

This course is a consideration of a variety of norm violations, as manifested in thought and appearance as well as behavior. Explanations of deviance and the responses to it are also examined.

Prerequisite: ANT 11200, CCJ 11000, PSY 10000, or SOC 10200; junior standing. Offered: Fall. Cross-Listed as: SOC 32200.

CCJ 32600 - Drugs and Society (3)

This course is a focus on the social forces that surround and contribute to the definition of drugs and alcohol use and abuse. The various legal and other responses to drug use and abuse are also considered.

Prerequisite: ANT 11200, CCJ 20000, PSY 10000, or SOC 10200. Cross-Listed as: SOC 32600.

CCJ 33100 - Criminal Investigation (3)

This course provides students with an in-depth examination of the various aspects associated with conducting a criminal investigation. Course topics to include historical, legal, scientific, and practical application of investigating various major crimes. Students will also participate in practical exercises reflective of the various types of activities with a criminal investigation.

Prerequisite: CCJ 11000; CCJ 20000. Offered: Fall/Spring.

CCJ 33300 - Research Methods for Criminology and Criminal Justice (3)

This course is designed to introduce students to research methods in criminology and criminal justice. Topics addressed throughout the semester include, but are not limited to types of scientific inquiry in criminology and criminal justice, Research design and issues, Sampling, Application, and Analysis. Upon completion of this course, students will have the tools to accurately assess scholarly research in criminology and criminal justice, as well as the knowledge to pursue individual research projects utilizing appropriate methodologies and tools.

Prerequisite: CCJ 11000; CCJ 20000.

CCJ 33500 - Cyber Crime (3)

This course focuses on the principles of computer crime investigation processes. Topics include crime scene/incident processing, information gathering techniques, data retrieval, collection and preservation of evidence, and preparation of reports and court presentations. Upon completion, students should be able to identify cybercrime activity and demonstrate proper investigative techniques to process the scene and assist in case prosecution.

Prerequisite: CCJ 11000 or CCJ 20000; junior standing.

CCJ 33800 - Criminal Minds (3)

This course is an introduction into the criminal mind and aspects of criminal psychology that are useful to criminal justice practitioners. Students will learn about historical trends in the study of the criminal mind, contemporary theories, and research regarding psychopathy, children who kill, serial killing, and interventions with offenders, among other topics. Students will examine the applied use of psychology in criminal justice.

Prerequisite: Junior standing. Offered: Spring.

CCJ 33900 - History of Criminal Justice (3)

This course will make a historical examination of the criminal justice system. Beginning with the ancient roots of criminal justice, students will explore various timelines in history along with important events and court cases that helped shape the modern criminal justice system.

Prerequisite: CCJ 11000; CCJ 20000.

CCJ 34000-34999 - Special Topics in Criminology and Criminal Justice (3)

This course will deal with a specialized topic in criminology and criminal justice. Subject areas will change from time to time to reflect relevant issues within the field of criminal justice. Possible topical fields may be drawn from such areas as comparative criminal justice, victimology, the history of criminal justice, white collar crime, ethics in criminal justice, the law of criminal evidence, criminal investigation, drugs and alcohol, and private security. The particular topic to be addressed will be announced and a course description provided at the time of registration.

Prerequisite: CCJ 11000 or CCJ 20000; junior standing.

CCJ 35005 - Women, Crime, and the Law (3)

This course will examine the basic study of the female offender, women and girls in the criminal justice system, and the roles of women working in the criminal justice system. The course will introduce students to gender and ethnic diversity issues within the justice system, along with the strengths of oppressed people, especially women of color. A wide range of issues are covered, including the rate of early childhood sexual abuse, victimization among female inmates, and obstacles for women working within the justice system.

Prerequisite: ANT 11200, CCJ 20000, PSY 10000, or SOC 10200; junior standing.

CCJ 35500 - Criminal Justice Ethics (3)

This course is an introduction to the basic ethical themes that run through the entire Criminal Justice system. It is a course that will provide practical information and the opportunity to develop practical skills for the analysis of ethical dilemmas-of which there is no shortage in the Criminal Justice field. This course will provide the

opportunity to gain a basic knowledge of ethical systems in general, and will address the dilemmas of practitioners in real life criminal justice situations, including those that arise from the systems complex interaction of various police, prosecutor, court, and corrections agencies.

Prerequisite: CCJ 11000; CCJ 20000.

CCJ 39000-39999 - Special Topics in Criminology and Criminal Justice (1-6)

CCJ 44000 - Senior Seminar in Criminal Justice (3)

This is a capstone course dedicated to the analysis of major issues in criminal justice. Emphasis will be placed on the various components of the criminal justice system and encourage students to critically examine the justice system, as it exists in American society today. Additionally, students will explore how criminological theories are applied to practice and public policy. Criminal justice practitioners will be invited as guest lecturers to provide students with relevant information on trends within their respective fields, and students will be able to assimilate knowledge from previous coursework in a meaningful way in order to prepare for graduation and employment.

Prerequisite: Senior standing. Offered: Fall/Spring.

CCJ 45000 - Practicum in Criminology and Criminal Justice (3-6)

This course is structured for the student to gain field experience in policing, corrections, juvenile justice, law and the court system, or within the private security/investigation sector. Students must complete 50 hours in the field for each credit of internship and weekly assignments.

Prerequisite: Junior standing; 18 credit hours in Criminology and Criminal Justice courses; and 2.5 GPA. Offered: Fall/Spring.

CCJ 46000 - St. Louis County and Municipal Police Academy (15)

Lindenwood University is in a partnership with the St. Louis County and Municipal Police Academy (SLCMPA). Lindenwood University students will have the option of completing a Missouri State Peace Officer's Standards and Training Program and earn a Class A Peace Officer's license as part of their undergraduate degree program. The SLCMPA offers an intensive 900 hour- 26 week- Missouri State Peace Officer's Standards and Training Program of classroom and hands-on practical instruction in the core knowledge and skills needed by peace officers working in the State of Missouri. The program includes academic courses in Constitutional Law, Missouri Statutory Law, Traffic Law, Interpersonal Skills, Patrol, Criminal Investigation, Report Writing, Traffic Accident Investigation, Juvenile Justice and Procedures. Students also receive superior training in First Aid, Firearms, Defensive Tactics, Driver Training, and Physical Fitness.

Prerequisite: CCJ 24500; permission of Lindenwood University instructor; acceptance to SLCMPA or acceptance to other Class A Police Academy (900 or more contact hours). Offered: Spring.

CHI - Chinese

CHI 10100 - Elementary Mandarin I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is an introduction to the history and the fundamentals of the unique pictographic language and its basic principles, with emphasis on practical daily life communication, Chinese character writing, and development of all four language skills: listening comprehension, speaking, reading, and writing.

Offered: Fall.

CHI 10200 - Elementary Mandarin II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course continues the introduction to the history of the fundamentals of the unique pictographic language and its basic principles, with emphasis on practical daily life communication, Chinese character writing, and development of all four language skills: listening comprehension, speaking, reading, and writing.

Prerequisite: CHI 10100. Offered: Spring.

CHI 20100 - Intermediate Mandarin I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course reviews the syntax and pronunciation of Mandarin Chinese and offers continued practice in listening, comprehension, speaking, reading, and writing.

Prerequisite: CHI 10200. Offered: Fall.

CHI 20200 - Intermediate Mandarin II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course continues the study of the syntax and pronunciation of Mandarin Chinese and offers continued practice in listening, comprehension, speaking, reading and writing.

Prerequisite: CHI 20100. Offered: Spring.

CHI 25000 - Reading Contemporary Mandarin (3)

This course is designed to develop and consolidate the listening, speaking, reading, and writing skills of the student. It aims to prepare the student to communicate fluently and appropriately, orally and in writing, in Chinese; demonstrate a familiarity with contemporary Chinese society through news articles; develop a perspective based on a critical understanding of the Chinese view of world events.

Prerequisite: CHI 20200. Offered: Intermittently.

CHM - Chemistry

CHM 10000 - Concepts in Chemistry (4)

GE-Natural Science with Lab This course is an examination of the principles of Chemistry, especially those which find application in the study of biology. Topics to be covered include atomic structure, chemical bonding, intermolecular forces, gas laws, solutions, and chemical energy. Laboratory work is included.

Offered: Fall/Spring.

CHM 10100 - The World of Chemistry (3)

GE-Natural Science This course serves as a journey through the exciting world of chemistry. The foundations of chemical structures and their behaviors are explored through a combination of lectures and videos. The emphasis will be on the understanding of the principles of chemistry and their application to items in our current daily experiences. This is a course for non-science majors.

CHM 10500 - Chemistry in Society (3)

GE-Natural Science This course provides a basis for understanding problems of global proportion facing societies in the coming millennium. Fundamental chemical concepts will provide an understanding of the role chemistry plays in the problems considered, and in their potential resolution or solution. Issues include environmental concerns, energy, hunger and food production, health, pollution, and population considerations.

Corequisite: CHM 10600.

CHM 10600 - Chemistry in Society Laboratory (1)

GE-Natural Science Lab The course will facilitate hands-on learning experience and developing scientific reasoning skills as they pertain to topic from CHM 10500. This is a participation-based course and will allow for collaboration with your fellow classmates to draw conclusions, work on problem solving skills, and consider the global impact based on laboratory data collected. You will be introduced to general laboratory techniques throughout the course that will assist in your learning and continuation of your career at Lindenwood.

Corequisite: CHM 10500.

CHM 11100 - Environmental Science (3)

GE-Natural Science An introductory course on global environmental issues with an emphasis on chemistry, this course addresses a need to understand the scientific principles along with social, political, and economic background as pertains to topics such as air and water qualities, energy resources, waste management, and toxicology.

CHM 18100 - Survey of General, Organic, and Biochemistry I (3)

GE-Natural Science with Lab This course provides a survey of general chemistry. Topics include matter and energy, atoms, ionic and molecular compounds, gases, solutions, reactions, acids and bases, and an introduction to organic molecules. Laboratory work is included.

CHM 18200 - Survey of General, Organic, and Biochemistry II (3)

GE-Natural Science with Lab This course provides a survey of organic and biochemistry. Topics include physical properties and reactions of organic molecules containing alcohols, thiols, ethers, and carbonyl based functional groups. Biochemistry topics covered will be: carbohydrates, lipids, amines, amino acids, proteins, and enzymes. Laboratory work is included.

Prerequisite: CHM 18100.

CHM 23000 - General Chemistry 1 (3)

GE-Natural Science This course provides a systematic treatment of the principles of chemistry. Topics include the fundamental principles of chemistry, dimensional analysis, basic atomic structure and theory, stoichiometry, general nomenclature, and types of reactions.

Prerequisite: MTH 11000 with suggested concurrent enrollment in MTH 15100. Offered: Fall/Spring.

CHM 23100 - General Chemistry 2 (3)

GE-Natural Science This course is a continuation of CHM 23000. Topics include an advanced review of stoichiometry, gas laws, intermolecular forces, periodic properties, advanced bonding theory, solutions chemistry, molecular structures, and organic nomenclature. CHM 24100 must be taken concurrently with this course.

Prerequisite: CHM 23000 with a C or better or two semesters of high school chemistry with a B or better; MTH 15100 or higher with a C or better. Corequisite: Must be taken concurrently with CHM 24100. Offered: Fall/Spring.

CHM 23200 - General Chemistry 3 (3)

GE-Natural Science This course is a continuation of CHM 23100. Topics include an advanced solution chemistry, acid-base equilibria, thermochemistry, kinetics, electrochemistry, and nuclear chemistry. CHM 24200 must be taken concurrently with this course.

Prerequisite: CHM 23100 with a C or better; MTH 15100 or higher with a C or better. Corequisite: Must be taken concurrently with CHM 24200. Offered: Fall/Spring.

CHM 24100 - General Chemistry 2 Laboratory (1)

GE-Natural Science Lab This course consists of one 2.5-hour laboratory period per week. Laboratory includes hands-on experimental procedures of general chemistry

phenomena. Discussion focuses on mastery of chemistry concepts through class participation and group work.

Corequisite: Must be taken concurrently with CHM 23100. Offered: Fall/Spring.

CHM 24200 - General Chemistry 3 Laboratory (1)

GE-Natural Science Lab This course consists of one 2.5-hour laboratory period per week. Laboratory includes hands-on experimental procedures of general chemistry phenomena. Discussion focuses on mastery of chemistry concepts through class participation and group work.

Corequisite: Must be taken concurrently with CHM 23200. Offered: Fall/Spring.

CHM 30000 - Introduction to Chemical Literature and Laboratory Safety (1)

The purpose of this course is to assist students in understanding the body of information which constitutes the chemical literature, and in developing the skills required to effectively and efficiently utilize that literature both as students, and ultimately as professional chemists. The basic literature skills and techniques learned here will continue to be useful throughout the student's professional lifetime.

Prerequisite: ENGL 17000 with a C or better; CHM 23200; CHM 36100.

CHM 31100 - Applications in Forensic Science (3)

This course covers the theory and applications of basic methods of forensic science including: physical properties of glass, soil, hair, fiber, and paint; analytical techniques involving chemical analysis of drugs, alcohol, and bodily fluids; and techniques in DNA fingerprinting and ballistic analysis. Lab Fee required.

Prerequisite: CHM 23200 or CHM 36100 with a C or better. Offered: Spring/Even.

CHM 33300 - Polymer Chemistry (3)

This course contains a brief overview of polymer science. Topics covered include polymer synthesis, statistics, kinetics, intermolecular forces, characterization, and materials properties.

Prerequisite: CHM 23200; CHM 36100 with a C or better; MTH 17300 or MTH 27100.

CHM 35500 - Analytical Chemistry (4)

This course is the study of different quantitative and analytical techniques such as gravimetric, volumetric, and selective precipitation methods of analysis. Laboratory work is included.

Prerequisite: (CHM 23200 with a C or better) and either (MTH 24100 with a C or better) or (MTH 14100 and MTH 24000 with a C or better). Offered: Fall/Spring.

CHM 36100 - Organic Chemistry I (4)

This course is a systematic study of the nomenclature, structures, properties, and reactions of organic compounds

with emphasis upon the principles by which chemists predict the properties and reactions of organic compounds.

Prerequisite: CHM 23100 with a C or better. Offered: Fall.

CHM 36200 - Organic Chemistry II (4)

This course is a continuation of CHM 36100. The principles of chemical behavior are applied to many types of organic compounds, including those of biological significance. Laboratory work is included.

Prerequisite: CHM 36100 with a C or better. Offered: Spring.

CHM 38500 - Medicinal Chemistry (3)

The study of medicinal chemistry focuses on the design of new drugs. In order to design an effective therapeutic agent, the target must be defined and studied and a lead molecule must be selected then optimized for safety, efficacy, and pharmacokinetics. All of those steps will be examined in this course using current therapeutics and their discovery as case studies.

Prerequisite: BSC 24400 with a C or better; CHM 36100.

CHM 42100 - Biochemistry: Structure and Mechanism (4)

This course examines the macromolecular structure and function of the four basic components: 1) nucleotides, 2) proteins, 3) lipids and 4) sugars. This course will cover the processes of transcription and translation. The laboratory portion of this course will introduce biochemistry procedures where students will learn to identify the four basic components. In addition, computer techniques for studying these topics will be utilized.

Prerequisite: BSC 24400 with a C or better; CHM 23200; CHM 36200. Offered: Fall.

CHM 42200 - Biochemistry: Metabolism (4)

This course focuses on understanding metabolic pathways and provides an in-depth examination of cellular energetics, regulation, and metabolic disease. Students will apply chemical principles to understanding protein function, enzyme mechanism, and chemical understanding of the pathways of metabolism. The laboratory portion of this course will introduce biochemistry procedures used to purify proteins and measure enzyme activity.

Prerequisite: CHM 36200 with a C or better; CHM 42100 or BSC 40400. Offered: Spring. Cross-Listed as: BSC 42200.

CHM 44000 - Inorganic Chemistry (4)

The chemistry of transition elements emphasizing the periodic character of properties of these elements, and the relationship between various physical and structural properties with the type of chemical bonding employed by the various elemental groups will be studied.

Prerequisite: CHM 36200; junior standing.

CHM 45500 - Instrumental Analysis (4)

This course centers on the study of instrumental methods of chemical analysis including spectrometric and mass analysis as well as separation techniques. Instruments covered, but not limited to, are AA, UV/Vis, FTIR, GC, GC/MS, and X-Ray Diffraction. Emphasis is given to principles of the techniques, method selections and their applications.

Prerequisite: CHM 35500; CHM 36100 with a C or better.

CHM 47100 - Physical Chemistry I (3)

This course is a theoretical and mathematical study of chemical properties and the methods of predicting physical and chemical changes. The principles of thermodynamics and kinetics are emphasized.

Prerequisite: CHM 23200; MTH 27100 with a C or better; PHY 25100 or PHY 30100 with a C or better. Offered: Spring.

CHM 47200 - Physical Chemistry II (3)

This course is a calculus based look at some of the most important discoveries in Chemistry and Physics in the 20th century, focusing on quantum mechanics, atomic and nuclear physics.

Prerequisite: MTH 27100 with a C or better; CHM 23200; CHM 47100 or PHY 30100. Corequisite: Must be taken concurrently with CHM 47300. Offered: Fall.

CHM 47300 - Physical Chemistry Lab (2)

This course is a laboratory course focusing on data acquisition and statistical analysis of thermodynamic and kinetic data.

Prerequisite: MTH 27100 with a C or better; CHM 23200; CHM 47100 or PHY 30100. Corequisite: Must be taken concurrently with CHM 47200.

CHM 48000 - Chemistry Internship (1-6)

This course offers a practical laboratory experience in a commercial, university, or forensics laboratory. May be repeated for a maximum of 9 credit hours.

Prerequisite: ENGL 17000 with a C or better; junior standing; chemistry program of study; permission of dean.

CHM 48500 - Chemistry Seminar (1)

This course will provide background for the retrieval of information from the expanse of chemical literature. The course will prepare the student for library research on a topic selected jointly by the student and instructor. Student will present the paper to students and faculty.

Prerequisite: Senior standing.

CHM 48900 - Independent Research (1-6)

Students will plan, execute and report on a project in consultation with a faculty mentor. May be repeated for credit. This is an undergraduate research course.

Prerequisite: CHM 30000; permission of dean.

CINE - Cinema Arts

CINE 10000 - Cinema Seminar (0)

All cinema majors are required to enroll in this course every fall and spring semester throughout their program of study. Meetings will include workshops, guest speakers, and production coordination. Lab fee required. This course is graded on a Pass/Fail basis. May be repeated.

Offered: Fall/Spring.

CINE 11000 - Video Production (3)

This course is an introduction to the artistic and technical skills required to bring professional production value to the creation of moving pictures with sound. The course focuses on field production and digital post-production. Key concepts include camera function, editing, sound recording and design, lighting, location and post-production problem solving, and basic style and aesthetics for screen storytelling. Lab fee required. No prerequisites.

Offered: Fall/Spring.

CINE 13000 - Introduction to Cinema Arts (3)

This course examines the various forms of cinematic expression and provides an overview of the different industries and careers in the field of visual storytelling. Students will study cinematic aesthetics, technique, and criticism.

Offered: Fall.

CINE 14000 - Introduction to Film (3)

GE-Human Culture: Arts This course will introduce you to the aesthetic, technical and entrepreneurial aspects involved in making films. Through exposure to films from the birth of cinema to modern day, you will become familiar with the theories that serve as the foundation of the craft (mise-en-scène, cinematography, sound, editing, etc.) while also developing a deeper understanding and appreciation of cinema.

Offered: Fall/Spring/Summer.

CINE 31500 - MicroCinema (3)

Students will cut their teeth shooting 8 short film projects during the course of the semester. Assignments will run the gamut from poetic to horror, experimental to action. Shooting on handheld devices (phones, DSLR's, GoPro's, etc.) students will quickly, but thoroughly develop, shoot, and edit projects for online and festival delivery. The goal is for each student to develop their own creative voice while exploring a wide range of creative genres and styles. Class time will encompass shooting, editing, and pitching as well as presentations of each project. Out-of-class production will be individual with group projects produced in and out of class.

Offered: Fall/Spring/Summer.

CINE 32000 - Short Film Production (3)

Students will develop and produce short fiction films. Working in groups, they will apply pre-production, production, and post-production skills to the creation of a polished piece of work. Each student will also be responsible for leading a group of peers in producing and directing an original short film. Lab Fee Required.

Prerequisite: CINE 11000. Offered: Fall/Spring.

CINE 32500 - Documentary Production (3)

This course is an in-depth study of different documentary formats and nonfiction storytelling styles. Students will study a range of documentary work and also produce a number of short documentary films both individually and collaboratively to apply the concepts of the course.

Prerequisite: CINE 11000. Offered: Fall/Spring/Summer.

CINE 32600 - Cinematography (3)

This course will be an intensive study of the elements of cinematography: lighting, exposure, composition, optics, and camera handling. Through a variety of hands-on production assignments, students will gain firsthand experience in all facets of production while developing their own cinematic style.

Prerequisite: CINE 11000. Offered: Fall/Spring/Summer.

CINE 32700 - Advanced Cinematography (3)

This course is focused on refining the students' craft in all areas of cinematography – exposure, lighting, composition, etc. Through intensive project work, both inside and outside class, students will hone their abilities. In addition, there will be a strong emphasis on crewing skills manifest in the camera, grip, and electric teams.

Prerequisite: CINE 32600. Offered: Fall/Spring/Summer.

CINE 32800 - Directing for Film & Television (3)

Students will learn the basics of the film direction: breaking down a script, managing a project, working with actors, working with directors of photography and leading a crew.

Prerequisite: CINE 11000. Offered: Fall/Spring/Summer.

CINE 33500 - History of Animation (3)

General Education-Human Culture: Arts The course will introduce students to seminal works of animation from throughout the history of the medium, spanning cultures, genres, and techniques. The evolution of the art form will be traced through the lens of aesthetic movements, socio-political contexts, and technological innovations. Students will be exposed to a wide variety of works ranging from independent and experimental shorts to major studio productions. Through the curation of animation from around the world, special emphasis will be paid to the diversity and inter-connectedness of the art form.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 33600 - Asian Cinema (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course is a survey of historical and contemporary Asian films, particularly those of Japan, China, India, and Korea. Emphasis will be placed on the social/cultural significance of selected Asian motion pictures and their relationship to Western counterparts. The course will concentrate on the definitive works of major Asian film directors, including Akira Kurosawa, Yasujiro Ozu, Tsui Hark, Wong Kar-wai, and John Woo.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 33700 - Cinema and Gender (3)

This course examines the way gender roles are portrayed in stories for the screen. Students will identify and critique traditional gender archetypes in cinematic history and put theory into practice by conceiving of new or revised characters and stories.

CINE 33800 - African American Cinema (3)

GE-Human Culture: Arts/Human Diversity This course will survey the history, theories, debates, and major creative figures that have characterized African American cinema. It will look at African American contributions to cinema while observing how these films have handled representations of race, class, gender, and social issues.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 34000 - History of World Cinema (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course is a study of the historical perspective of film from the efforts of early American and European filmmakers through the works of contemporary artists around the world. Emphasis will be placed on the ART of film making, and its reflection of culture. Films would include works from Griffith, Eisenstein, Truffaut, Bergman, Kurosawa, and others. Open to all students.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

CINE 34200 - The Films of the Coen Brothers (3)

This course will focus on the varied cinema of the Coen Brothers. By screening not only notable works by this filmmaking duo but also the films that inspired them, students will gain an understanding of how Joel and Ethan Coen have both drawn on the conventions of established film genres but also reinvented them. The course will focus on the following films and genres: Comedy (Raising Arizona, The Hudsucker Proxy & O Brother Where Art Thou?), Crime (Miller's Crossing, Fargo & The Big Lebowski), Film Noir (Blood Simple & The Man Who Wasn't There), and Western (True Grit & No Country For Old Men). Alongside those films we will screen such films as His Girl Friday, Sullivan's Travels, True Grit, The Big Sleep, Double Indemnity, etc. While the course will focus primarily on the narrative and directing styles of the Coens, it will also look at the other craft areas

(cinematography, editing, music, etc.) as many of the films feature the same contributors.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 34300 - The Films of Alfred Hitchcock (3)

Students will explore media theory (Auteurism) and criticism as they relate to a chosen genre (Suspense and Thriller), era, or type of film, television, or other motion medium of Director/Auteur Alfred Hitchcock.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 34400 - Horror Cinema (3)

This course will examine cinematic horror and track its evolution from the silent era to the modern age. In doing so, an attempt will be made to compile a list of accepted criteria to produce a working definition of the genre, as well as explore theories regarding the genre's enduring appeal and marketability. Landmark feature films and clips of varying length will be shown to illustrate notable periods, personnel, sub-genres, and phases of the genre cycle.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 34500 - The Films of Martin Scorsese (3)

This course examines the art of film director Martin Scorsese. Students will study his cinematic aesthetics, techniques, and style through screenings and class discussions.

Prerequisite: ENGL 17000.

CINE 34700 - Cult Cinema (3)

This course will seek to define the term "cult" and explain how it is often applied to motion pictures and related media. Eminent (and infamous) works will be introduced and full-length features will be screened to familiarize students with accepted cult films that have made an impact on mainstream pop culture. The films examined will also highlight specific genres/sub-genres, auteurs, actors, and thematic content. Students will be challenged to explain why cult films endure culturally, despite their often questionable aesthetics, content, or perceived value.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 35000 - Screenwriting (3)

This course will cover various types of writing integral to the visual media industry, including commercials & public service announcements, documentary scripts, and film & television screenplays. Through a variety of writing assignments designed to follow the development process, the student will put into practice the basic building blocks of story structure to create compelling content – experience which can be applied to any communications discipline. The course will also emphasize accepted industry scripting and formatting standards for professional media-writing.

Prerequisite: ENGL 15000 or EPP 15000. Offered: Fall/Spring.

CINE 35200 - Advanced Screenwriting (3)

This course will be an intensive study of narrative screenwriting including the exploration of story, character, structure, and format. In crafting a final script, the student will experience and examine each step of the writing process, from premise through development to treatment, first draft, and final submission. The course will also involve critical examination of acclaimed works from the writer's point-of-view to inform the student's own craft. Lab Fee Required.

Prerequisite: CINE 11000; CINE 13000; CINE 35000.
Offered: Fall/Spring.

CINE 35500 - Feature Film Screenwriting (3)

Students will learn and apply skills related to a specific type of scriptwriting for digital cinema, television and/or motion media.

Prerequisite: ENGL 17000. Offered: Fall/Spring/Summer.

CINE 36000 - Producing for Film and Video (3)

This course trains students as producers and directors of visual media. Students will learn the maximize production value when shooting on location. Planning, scripting, budgeting, shooting, and editing skills will be developed and applied to the production of a professional quality video project. Lab fee may be required.

Prerequisite: CINE 11000; CINE 35000. Offered: Fall/Spring.

CINE 36300 - Production Management (3)

This course is an introduction to the techniques and technologies required to plan and manage film and video productions. The course focus on the roles of the Producer, Production Manager, and Assistant Director Department in managing the safety, logistic, and other concerns required to successfully manage a film or video production from Pre-Production through Post-Production. Key concepts include utilizing technology (Movie Magic) to create the required resources and reports, managing the rhythm of the set, "Directing the Director," and handling the constantly changing production environment.

Offered: Fall/Spring/Summer.

CINE 37000 - Sound for Film and Video (3)

This course will provide an advanced understanding of the purpose and function of sound mixing, and include the application of industry-standard sound recording techniques. Students will create multiple, professionally executed post-production sound mixes.

Prerequisite: CINE 11000. Offered: Fall/Spring/Summer.

CINE 37100-37199 - Topics in Production (1-3)

Students will learn and apply skills in a specific area of digital cinema, television, and motion media production. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

CINE 37200-37299 - Topics in Post-Production (1-3)

Students will learn and apply skills in a specific area of digital cinema, television, and motion media post-production. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

CINE 37300-37399 - Topics in Producing (1-3)

Students will learn and apply skills related to a specific aspect of producing and coordinating digital cinema, television, and motion media projects. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

CINE 37400-37499 - Topics in Scriptwriting (1-3)

Students will learn and apply skills related to a specific type of scriptwriting for digital cinema, television and/or motion media. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

CINE 37500-37599 - Topics in Media Studies (1-3)

Students will explore media theory and criticism as they relate to a chosen genre, era, or type of film, television, or other motion medium. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: ENGL 17000.

CINE 37700-37799 - Advanced Media Literacy Topics (3)

These courses offer innovative challenges in the study of media and its influence on technologically-driven culture and the influences of culture on media. Contemporary issues will be researched.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

CINE 38000 - Editing for Film and Video (3)

This hands-on computer course is designed to advance the student's editing skills using non-linear editing systems. Instruction will also include the integration of video, graphics, and audio imported from other multimedia production programs. Students will be instructed in the use of editing software and will be given class assignments that require practical application of theories and software. Lab fee required.

Prerequisite: CINE 11000. Offered: Fall/Spring.

CINE 38500 - Advanced Post Production (3)

Students will study and apply finishing techniques for film and video projects, gaining practice in such areas as color grading, compositing, sound design, conforming, and mastering. They will employ advanced technical tools and skills to enhance the storytelling power of scenes in multiple formats and genres.

Prerequisite: CINE 38000. Offered: Fall/Spring/Summer.

CINE 38700 - Visual Effects (3)

This course is devoted to the history, pipeline, and creation of visual effects. Industry standard techniques will be taught through compositing projects both individually and collaboratively to apply the concepts of the course.

Offered: Fall/Spring/Summer.

CINE 41000 - Cinema Capstone I (3)

Students will produce professional-level projects appropriate to their individual areas of interest. Projects can include, but are not limited to, half-hour fiction films, documentaries, or TV spec scripts, or feature length screenplays. Lab fee may be required.

Prerequisite: CINE 36000.

CINE 42000 - Cinema Capstone II (3)

Students will produce professional-level projects appropriate to their individual areas of interest. Projects can include, but are not limited to, half-hour fiction films, documentaries, or TV spec scripts, or feature length screenplays. Lab fee may be required.

Prerequisite: CINE 41000.

COL - All-College**COL 10100 - Professional Skills (1)**

This is a profession-based skills development course develop through the high schools to prepare students for a professional-based work experience, internship or practicum. Topics covered will include communication skills (verbal and written), resume development, interview preparation, networking skills and presentation skills. Students will have the opportunity to gain critical professional-based skills through exercises, case studies, seminars and discussions. Student must be a high school junior or senior enrolled in the high school's Center for Advanced Professional Studies (CAPS) program's Profession Skills course.

Offered: Fall/Spring.

COL 11100 - Internet Library Research Strategies (1)

An activity based course designed to build upon basic computer/Internet skills necessary for a 21st century society, students will conduct a series of focused retrievals of online information and resources specific to their areas of study.

COL 20202 - Professional Internship: Healthcare (1-2)

A profession-based work experience that enables students to work within a Healthcare context to apply knowledge and to gain experience in real-world settings. The experience should help develop decision-making skills through professional based work. Students are expected to demonstrate appropriate professional conduct in the work environment. The experience should help the student develop a profession vision that values diversity in the workplace. Student must be a high school junior or senior enrolled in the high school's Center for Advanced Professional Studies (CAPS) program's Profession Skills course. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

COL 20203 - Professional Internship: Engineering (1-3)

A profession-based work experience that enables students to work within an engineering context to apply knowledge and to gain experience in real-world settings. The experience should help develop decision-making skills through professional based work. Students are expected to demonstrate appropriate professional conduct in the work environment. The experience should help the student develop a profession vision that values diversity in the workplace. Student must be a high school junior or senior enrolled in the high school's Center for Advanced Professional Studies (CAPS) program's Profession Skills course. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

COL 20204 - Professional Internship: Technology (3)

A profession-based work experience that enables students to work within a technology context to apply knowledge and to gain experience in real-world settings. The experience should help develop decision-making skills through professional based work. Students are expected to demonstrate appropriate professional conduct in the work environment. The experience should help the student develop a profession vision that values diversity in the workplace. Student must be a high school junior or senior enrolled in the high school's Center for Advanced Professional Studies (CAPS) program's Profession Skills course. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

COL 20205 - Professional Internship: Business (3)

A profession-based work experience that enables students to work within a business context to apply knowledge and to gain experience in real-world settings. The experience should help develop decision-making skills through professional based work. Students are expected to demonstrate appropriate professional conduct in the work environment. The experience should help the student develop a profession vision that values diversity in the workplace. Student must be a high school junior or senior enrolled in the high school's Center for Advanced

Professional Studies (CAPS) program's Profession Skills course. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

COL 20206 - Professional Internship: Business II (1-3)

A profession-based work experience that enables students to work within a business context to apply knowledge and to gain experience in real-world settings. The experience should help develop decision-making skills through professional based work. Students are expected to demonstrate appropriate professional conduct in the work environment. The experience should help the student develop a profession vision that values diversity in the workplace. Student must be a high school junior or senior enrolled in the high school's Center for Advanced Professional Studies (CAPS) program's Profession Skills course. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

COL 35000 - Career Development (1)

This course will encompass career development strategies inclusive of self-assessment and exploration, occupational examination, and job campaigning. Experiential learning activities in the areas of leadership development, decision making, and goal setting will also be incorporated.

Prerequisite: Junior or senior standing.

COL 45000 - Community Service Internship (1)

This course involves service within volunteer agencies and social service programs in the local community, to enable students to be involved in practical experiences beyond their normal disciplines and to provide diverse opportunities that will enhance the student's educational background and broaden the student's range of marketable talents. Requires 150 hours of service in an approved agency during one semester of the student's junior or senior year. (May only be taken once).

COM - Communications

COM 10001 - Introduction to Communication (3)

This course will provide you the tools to consider, discuss, and put into practice the basic elements of how we communicate in interpersonal, group, public, intercultural and mass communication situations. Upon completion of the course, students will be able to explain and describe the basic forms and purpose of human communication.

Offered: Fall/Spring/Summer.

COM 10101 - Introduction to Mass Communication (3)

This course is an introduction to the study of mass communication, explored through the history of mass media and the role of the media in society. This course will cover the development of newspapers, radio, television, books, and social media in order to provide a thorough

background of varying forms of mass communication while examining the role that mass media plays in our everyday lives and the legal, societal, and cultural impact of various media.

COM 10200 - Public Debate (3)

GE-Communication This course studies the research, formulation and presentation of arguments in public policy debate. It will present research techniques that are useful in preparation for debate, teach students how to select and strategically employ arguments in a debate, and prepare students to use critical thinking in evaluating an opponent's argumentation. The role of rhetorical persuasion in preparing and presenting speeches and engaging in cross-examination in such contexts will also be explored. Formal debate techniques will be discussed as well as the role judges and coaches play in the activity.

COM 10500 - Group Dynamics and Effective Speaking (3)

GE-Communication This course is designed to teach participants various interpersonal skills pertinent to one-on-one, small group, and large-group communication. Topics covered will include "reading" the audience, non-verbal communication, the rules of etiquette and appropriate dress, effective use of the voice, and group dynamics. Students will be required to make a series of formal and informal presentations in class.

COM 10800 - Communications Seminar (0)

All communications and journalism majors are required to enroll in this course every fall and spring semester throughout their program of study, excluding the semester of internship. Attendance at a minimum number of meetings/events is required. This course is Pass/Fail. May be repeated.

Offered: Fall/Spring.

COM 11000 - Public Speaking (3)

GE-Communication This course is an introduction of theories and techniques of non-written communication in business and society. Topics include the nature of human communication, listening skills, interpersonal communication, nonverbal communication, small group communication, and public speaking. Students will participate in communication activities, as well as research, organize and present formal speeches.

Offered: Fall/Spring.

COM 11500 - Sportscasting (3)

Students learn the skills and techniques of broadcasting sporting events. Emphasis is given to the roles of play-by-play announcers and analysts for radio and television. Instruction focuses on, but is not limited to football,

basketball, baseball and hockey. The course teaches the technical skills necessary to setup sports remotes and anticipating problems posed by various sports venues.

COM 12300 - Media Design Foundations (3)

A computer-based course designed to familiarize students with principles of design, color theory, typography, layout, usability, storyboarding, and other foundational aspects of interactive media and web design through a hands-on approach. Lab fee may be required.

COM 15100 - Radio Production (3)

This course serves as an introduction to radio station operations, including an analysis of programs and audiences in American broadcasting. Students will have directed experiences in organization, writing, production, direction, and performance of basic radio programs.

Offered: Fall/Spring.

COM 15200 - Podcasting Production (3)

Students will learn the components of radio and podcast production including: interviewing, story development, script writing, interview techniques, remote recording and digital audio recording, editing of sound, mixing, and final production for broadcast. Students will critically analyze the components of radio/podcast features. In addition, the students will gain an understanding of the basic components of the physics of sound.

Offered: Fall/Spring/Summer.

COM 20000 - Organizational Communication (3)

This course explores the role of organizations in society, including how they achieve their goals, how members of organizations accomplish their goals via the ongoing, through communication. Organizations play an important and significant role in our everyday lives. Communication within and around organizations can promote, uphold, change, reimagine, or break down organizations in a variety of ways. This class will help you understand the role of communication in organizations and organizing so that you may develop tools to help you improve and change the organizations in your life in meaningful and positive ways through communication.

Prerequisite: COM 10001.

COM 21301 - Interpersonal Communication (3)

In this course you will learn how communication plays a vital role in building, maintaining, and ending relationships in our everyday lives. Along the way, we will explore such topics as selfconcept, emotions, language, nonverbal communication, listening, and conflict management. We will also consider how factors such as sex, gender, and culture impact those concepts.

Offered: Fall/Spring/Summer.

COM 22001 - Writing for Media (3)

This course teaches you the basic principles of scripting and developing concepts for a wide range of media applications. It will cover basics storytelling concepts - structure, character, dialogue, etc. - while applying them to narrative, broadcast, radio, and documentary scripts. As a result, you will develop your ability not only to develop content, but also to follow professional guidelines for format and delivery.

Offered: Fall/Spring/Summer.

COM 22500 - Photojournalism (3)

This course focuses on the fundamental techniques and principles of photojournalism. Students integrate photography with editorial design to create a portfolio of visually-oriented and journalistically sound packages appropriate for print and Internet. The course will emphasize news photography, typography, info-graphics and other compelling visual components. Lab fee required.

COM 23500 - Supervision of Student Publication (3)

This course is designed for education professionals who will learn successful solutions to the problems generally faced in supervision of newspapers, magazines, yearbooks, and other publications. Lab fee required.

COM 24200 - Basic Reporting (3)

This course is an analysis of the role of the reporter in communicating public intelligence. Laboratory work will stress basic news gathering, reporting and writing techniques.

Prerequisite: ENGL 15000 or EPP 15000. Offered: Fall/Spring.

COM 25600 - Multicamera & Event Production (3)

This course offers a laboratory environment used to develop planning, scripting, shooting, directing, editing, budgeting, and studio skills to produce a program for television or cable broadcast. Lab fee may be required.

Prerequisite: CINE 11000. Offered: Fall/Spring.

COM 27700-27799 - Media Literacy Topics (3)

The constant evolution of technologically-driven culture demands flexibility in the study of media and its influence on that culture. This range of courses allows for these relevant changes by offering the opportunity to research and study contemporary issues in media literacy.

COM 28200 - Editing (3)

This classroom based course focuses on advanced editing skills required for employment in newspaper, magazine and electronic publications. Coursework will focus on the development of editing for grammar, punctuation, precision and Associated Press style.

Prerequisite: COM 24200.

COM 30000 - Multiplatform Reporting (3)

Reporting, writing, and editing will be practiced in this course including instruction in the latest digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms.

Prerequisite: CINE 11000; COM 24200.

COM 30121 - Applied Mass Communication-Radio I (1)

With staff assignments in campus-related media with a term involvement of 45 work hours, this course is designed to give students practical experience in the media. Repeatable for credit. Lab fee required.

Prerequisite: COM 15100.

COM 30122 - Applied Mass Communication-Radio II (2)

With staff assignments in campus-related media with a term involvement of 90 work hours, this course is designed to give students practical experience in the media. Repeatable for credit. Lab fee required.

Prerequisite: COM 15100.

COM 30123 - Applied Mass Communication-Radio III (3)

With staff assignments in campus-related media with a term involvement of 135 work hours, this course is designed to give students practical experience in the media. Repeatable for credit. Lab fee required.

Prerequisite: COM 15100.

COM 30131 - Applied Mass Communication-Video I (1)

With staff assignments in campus-related media with a term involvement of 45 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: COM 25600.

COM 30132 - Applied Mass Communication-Video II (2)

With staff assignments in campus-related media with a term involvement of 90 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: COM 25600.

COM 30133 - Applied Mass Communication-Video III (3)

With staff assignments in campus-related media with a term involvement of 135 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required.

Prerequisite: COM 25600.

COM 30181 - News Lab I (1)

Reporting, writing, and editing will be practiced in this course including instruction in the latest digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 45 work hours during the term, document their experience.

Prerequisite: COM 24200.

COM 30182 - News Lab II (2)

Reporting, writing, and editing will be practiced in this course including instruction in the latest digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 90 work hours during the term, document their experience.

Prerequisite: COM 24200.

COM 30183 - News Lab III (3)

Reporting, writing, and editing will be practiced in this course including instruction in the latest digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 135 work hours during the term, document their experience.

Prerequisite: COM 24200.

COM 30191 - Advanced News Lab I (1)

The course will provide experienced students with the opportunity to learn management aspects of journalism including reporting, writing, and editing in traditional and contemporary digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 45 work hours during the term, document their experience.

Prerequisite: COM 30181, COM 30182, or COM 30183.

COM 30192 - Advanced News Lab II (2)

The course will provide experienced students with the opportunity to learn management aspects of journalism including reporting, writing, and editing in traditional and contemporary digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 90 work hours during the term, document their experience.

Prerequisite: COM 30181, COM 30182, or COM 30183.

COM 30193 - Advanced News Lab III (3)

The course will provide experienced students with the opportunity to learn management aspects of journalism including reporting, writing, and editing in traditional and contemporary digital news-gathering formats. Using content management systems, social media, and mobile applications, students gather and produce digital news content for various media platforms. Students will need to complete at least 135 work hours during the term, document their experience.

Prerequisite: COM 30181, COM 30182, or COM 30183.

COM 30300 - Written Communication for Business (3)

The study and practice of effective business writing, topics in this class will include writing memoranda, letters, and reports as well as writing for various publics. Special focus will be on persuasive communication, international business communication, and writing style for corporate publications.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

COM 30400 - Broadcast Newswriting (3)

This lab course examines the preparation and presentation of newscasts and special news programs. Consideration of reporting, interviewing, documentaries, and special events.

Prerequisite: CINE 11000 or COM 15100; COM 24200.
Offered: Fall/Spring.

COM 30600 - Advanced Reporting (3)

Students expand on basic journalistic skills through in-depth interviews, computer-assisted reporting, electronic newsgathering, and other data-mining available to today's reporters. The course emphasizes informative stories written from fact-based reporting.

Prerequisite: COM 24200.

COM 31001 - Sports Reporting (3)

This course will teach you sports information gathering and research, reporting, writing, and interviewing in keeping with industry standards. You will learn how to analyze sports events and issues, develop content with an eye toward all facets of sports production, and provide news specifically tailored to a sports audience across multiple platforms. It will involve attending athletic events during the semester and documenting the action for dissemination through journalistic and public relations channels.

Prerequisite: COM 24200. Offered: Fall/Spring/Summer.

COM 31200 - Newspaper Design (3)

Students will lay out and paginate newspaper pages, choose and edit photographs and other graphical elements, and write headlines. Theoretical and practical applications of newspaper and news publication design, including typography, graphics, graphics software, and electronic picture editing. Exercises in design for newspapers and news publications in both print and electronic formats.

Prerequisite: COM 24200.

COM 31501 - Conflict Management (3)

This course will teach you about the communication factors involved in conflict and strategies to use when resolving disputes. As a result, you will become a more effective and resilient communicator by anticipating how communication might go awry and actively planning for successful communication.

Prerequisite: COM 10001. Offered: Fall/Spring/Summer.

COM 32700 - Media Literacy (3)

GE-Communication In this course, students will focus on the cognitive, emotional, moral, and aesthetic influences of the media. (Radio, Film, TV, Multimedia, and the Internet). Higher levels of media literacy can give students more options and control over their beliefs and behaviors.

Prerequisite: ENGL 17000 and sophomore standing.
Offered: Fall/Spring.

COM 32900 - Media & Politics (3)

This course will examine the role of the mass media in U.S. politics, including the ways in which the media has shaped politics and political campaigns as well as how politics influences our media. This course will explore the role of journalism, television, social media, and radio as influential mediums that have had and continue to have profound impacts on the American political communication.

Prerequisite: COM 10001.

COM 33333 - Broadcast News Production (3)

With an emphasis on broadcast and digital news gathering, this course provides students with experiential learning opportunities to develop their video production skills. Students focus on audio, composition, lighting, sequencing, and nonlinear editing through the lens of journalism. Completed story projects may be featured on campus media outlets.

Prerequisite: CINE 11000.

COM 34000 - Sports Production (3)

An experiential study in the basic skills of sports television production and broadcasting from planning to post-production this course is offered in conjunction with LUTV coverage of Lindenwood Athletics, and the scheduled assigned work will be determined by the Lindenwood Athletic calendar.

Prerequisite: CINE 11000. Offered: Fall/Spring.

COM 34300 - Television News Production (3)

An experiential study in the basic skills of television news production, this course combines theory and practice as students learn the essentials in writing, producing, directing, and performing. Coursework includes both in-studio and field production.

Prerequisite: CINE 11000; COM 24200. Offered: Fall/Spring.

COM 35210 - Advanced Radio Production (3)

This experiential course will explore advanced concepts in radio and audio production. Students will be tasked with creating shows for air, serving as on-air talent on the Lindenwood radio stations, and building a professional portfolio of creative material.

Prerequisite: COM 15100.

COM 35300 - News Design and Editing (3)

This course will provide students with instruction in the editing of words and images for inclusion in print and online publications. Coursework will include instruction in basic design principles and the use of InDesign software. Instruction also will focus on the editing of content for proper grammar, spelling, punctuation and Associated Press style, as well as the ethical considerations journalists must make when producing content for a general audience.

Prerequisite: COM 24200.

COM 36000 - Media Management (3)

This course is an examination of various media industry operations. Students will focus on management theories and practices, fundamentals in financial administration, and human resources. Emphasis includes understanding and use of media research, effective marketing strategies and costs, FCC rules and regulations, and broadcast engineering and ownership.

Prerequisite: CINE 11000; COM 15100; ENGL 17000; junior standing. Offered: Fall/Spring.

COM 37100-37199 - Topics in Production (1-3)

Students will learn and apply skills in a specific area of digital cinema, television, and motion media production. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

COM 37200-37299 - Topics in Post-Production (1-3)

Students will learn and apply skills in a specific area of digital cinema, television, and motion media post-production. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

COM 37300-37399 - Topics in Producing (1-3)

Students will learn and apply skills related to a specific aspect of producing and coordinating digital cinema, television, and motion media projects. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

COM 37400-37499 - Topics in Scriptwriting (1-3)

Students will learn and apply skills related to a specific type of scriptwriting for digital cinema, television and/or motion media. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

COM 37500-37599 - Topics in Media Studies (1-3)

Students will explore media theory and criticism as they relate to a chosen genre, era, or type of film, television, or other motion medium. Course may be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: ENGL 17000.

COM 37700-37799 - Advanced Media Literacy Topics (3)

These courses offer innovative challenges in the study of media and its influence on technologically-driven culture and the influences of culture on media. Contemporary issues will be researched.

Prerequisite: Specific to the topic being offered; prerequisites are expected to vary.

COM 38200 - Feature Writing (3)

This course consists of analysis and practice of writing human interest stories and personality profiles for newspaper, magazine and online publication. Typically, such writing goes beyond news events and issues to capture unusual, trendy, often light topics about people and their activities.

Prerequisite: COM 24200.

COM 38300 - Television News Reporting (3)

Students will develop mastery of the television news package as the preeminent format of broadcast journalism. Students learn to plan, shoot, report, and edit news stories as reporter packages for use in traditional television newscasts.

Prerequisite: CINE 11100; COM 24200. Offered: Fall/Spring.

COM 40100 - Communications Law & Ethics (3)

Students investigate the study of laws which affect and regulate the mass media. This course includes a study of constitutional, statutory, and administrative laws.

Prerequisite: 12 credit hours in Communication (COM). Offered: Fall/Spring.

COM 46010 - Communication Theory and Research (3)

A focused historical investigation of mass communication theories and ethical considerations, as they have evolved in response to developments in mass communication technology. Discussion will emphasize developments since the mid-19th Century. Theories will include political,

sociological, and cultural models constructed to explain phenomena, both real and imagined, perceived to be characteristic of audiences' behavioral responses to increasingly rapid technological advances in, and consequent dependence on, mass communication media. Students will be expected to be able to distinguish among theories, placing them in specific historical and social contexts. Assignments will include opportunities for students to demonstrate basic capabilities in secondary research.

Prerequisite: Senior standing. Offered: Fall/Spring.

COM 48000 - Communications Capstone (3)

This practical course will provide a framework for you to complete a Communications-related capstone project. That project should relate to your chosen field – communication studies, journalism, broadcast, or media production. The goal is for you to generate work that can serve as the cornerstone of your academic or creative portfolio.

Prerequisite: Junior standing and instructor permission.

CSC - Computer Science

CSC 10011 - Introduction to Computer Science: Python (3)

This course provides the student with a general orientation to computer science, including a basic understanding of the components of a computer and how they function. It will introduce the student to the process of program development and programming using the Python language. Not open to students with credit in CSC 10022. Lab fee may be required.

Prerequisite: One of MTH 11000, MTH 15100, MTH 15200, MTH 27100, or MTH 27200 with a C or better; or passing the placement test.

CSC 10022 - Introduction to Computer Science: Javascript (3)

This course provides the student with a general orientation to computer science, including a basic understanding of the components of a computer and how they function. It will introduce the student to the process of program development and programming using the Javascript language. Not open to students with credit in CSC 10011. Lab fee may be required.

Prerequisite: One of MTH 11000, MTH 15100, MTH 15200, MTH 27100, or MTH 27200 with a C or better; or passing the placement test. Offered: Fall/Spring.

CSC 14400 - Computer Science I (4)

This course is an introduction to problem solving using the JAVA programming language. Topics include algorithm and program development, syntax of JAVA, input/output statements, file I/O, assignment operations, conditional statements, iterative statements, functions, and array

processing. Additional topics may be added if time permits. Lab fee may be required.

Prerequisite: CSC 10011, CSC 10022, or DSCI 11000 with a C or better. Offered: Fall/Spring.

CSC 21000 - Ethical Issues in Technology (3)

This course delves into the complex ethical issues surrounding the rapid advancements in technology. Students will learn to critically assess the societal, individual, and environmental impacts of technological solutions and to ethically shape the future of technology.

Prerequisite: CSC 14400, ICS 21400, or ICS 31000 with a C or better; ENGL 17000 with a C or better.

CSC 24400 - Computer Science II (4)

This course is a continuation of CSC 14400 using the C++ programming language. Topics include the basic C++ syntax for input/output, assignment statements, conditional statements iterative statements and functions. It will continue with single and multidimensional array processing, character manipulation, elementary searching and sorting techniques, structures, classes, and pointers. Lab fee may be required.

Prerequisite: CSC 14400 with a C or better. Offered: Fall/Spring.

CSC 28500 - Applied Discrete Structures (3)

This course introduces several core Mathematical discrete structures and applies them to topics found in Computer Science. Mathematical topics covered include logic, Boolean algebra, sets, sequences, sums, asymptotic analysis, recurrence relations, and graph theory. These topics are applied to areas found in Computer Science such as digital logic, algorithm analysis, graph algorithms, automata, and formal languages. Lab fee may be required.

Prerequisite: CSC 24400; MTH 15100. Offered: Fall.

CSC 30500 - Principles of Database Systems (3)

This course is designed to give an overview of the major themes of database theory, design and manipulation. Concepts and techniques of structuring data, on secondary storage devices, file processing, and database organization will be introduced. The network and hierarchical models will be discussed, but attention will be paid to application of database systems, conceptual modeling, the relational data model, and relational algebra. Not open to students with credit or enrollment in MGMT 44040. Lab fee may be required.

Prerequisite: CSC 24400 with a C or better. Offered: Fall.

CSC 34400 - GUI Application Design (3)

This course provides students with experience in Graphical User Interface (GUI) programming using programming languages such as JAVA and Visual Basic. Lab fee may be required.

Prerequisite: CSC 24400 with a C or better.

CSC 35500 - Computer Systems I (4)

This course is an introduction to Computing Systems. Topics covered include Computer Organization, Numeric Representation, Assembly Language, Digital Logic, Hardware Component Design, Control Unit Design, Processes, and Memory Systems. Lab fee may be required.

Prerequisite: CSC 24400. Offered: Fall.

CSC 36000 - Data Structures and Algorithms (3)

This course continues the study of data structures and algorithms begun in CSC 24400. It introduces the concepts of abstract data types and dynamic structures. Topics covered include stacks, queues, linked lists, and trees. Also included are recursion, graphs, and hashing techniques. Various representations of data structures will be reviewed. Lab fee may be required.

Prerequisite: CSC 24400 with a C or better. Offered: Spring.

CSC 40500 - Computer Graphics (3)

This course serves as the first course in computer graphics. Topics include graphics systems and packages, output primitives and their attributes, two dimensional geometric transformations and viewing, structures and hierarchical modeling, graphical user interfaces, and interactive input methods. Additional topics may include three dimensional object representations, three dimensional geometric and modeling transformations, visible surface detection methods, illumination models and surface rendering methods, color models and applications, and computer animation. Lab fee may be required.

Prerequisite: CSC 24400 with a C or better.

CSC 40800 - Organization of Programming Languages (3)

This course is designed to give the student a deep, hands-on understanding of the essential concepts of programming languages. Techniques developed lead to the creation of scanners, parsers, and compilers. Lab fee may be required.

Prerequisite: CSC 24400 with a C or better.

CSC 40900-40999 - Topics in Computer Science (3)

This course explores selected emerging issues and topics in the field of computer science. Topics may include Software Engineering, Human Factors in Software Design, Computers and Society, Complexity Theory, Concurrent/Parallel programming, Artificial Intelligence, Expert Systems, Computer Simulations, and Operations Research. The course may be repeated one time for credit. Lab fee may be required.

Prerequisite: CSC 36000; six credit hours of CSC courses numbered 30000-level or higher.

CSC 41100 - Artificial Intelligence (3)

This course will provide an overview of the field of Artificial Intelligence (AI) from its inception to current

day. The course will explore the theory, applications, and ethical issues in AI.

Prerequisite: CSC 24400. Offered: Fall.

CSC 42100 - Advanced Artificial Intelligence (3)

This course provides an in-depth exploration of the core methodologies, algorithms, and principles underlying modern artificial intelligence.

Prerequisite: CSC 36000, CSC 41100, and DSCI 35600 each with a grade of C or better.

CSC 43000 - Senior Project (3)

This course is a capstone course for all majors in computer science and computer information systems. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; CSC 30500 or CSC 36000. Offered: Spring.

CSC 44700 - Project Management and Practice (3)

This course prepares the student for planning, scheduling, and controlling the activities during the system development life cycle. The focus of this course is the specific role of the project manager which will include time management, cost estimation, order of activities, and determination of the responsible parties involved in the process. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; CSC 30500.

CSC 45100 - Cooperative Education in Computer Science I (3)

This course gives students the opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This course is graded on a Pass/Fail basis. Students receive no monetary compensation for their work. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; junior standing; overall GPA of 3.0; permission of the dean.

CSC 45111 - Internship (3)

This course gives students the opportunity to earn academic credit while at the same time receiving monetary compensation. Students will work in a planned learning environment that integrates academic training with supervised work experience. This course is graded on a Pass/Fail basis. Lab fee may be required.

Prerequisite: Junior standing; overall GPA of 3.0; permission of the dean.

CSC 45200 - Cooperative Education in Computer Science II (3)

This course gives students the opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This course is graded on a Pass/Fail basis. Students receive no monetary compensation for their work. Lab fee may be required.

Prerequisite: CSC 45100; permission of the dean.

CSC 45211 - Internship (3)

This course gives students the opportunity to earn academic credit while at the same time receiving monetary compensation. Students will work in a planned learning environment that integrates academic training with supervised work experience. This course is graded on a Pass/Fail basis. Lab fee may be required.

Prerequisite: CSC 45111; permission of the dean.

CSC 45500 - Computer Systems II (4)

This course is a continuation of CSC 35500. Topics covered include Memory Management, Correction Codes, Processor Design, File Systems, Process Management, Systems Programming, Network Programming, and Computer Security. Lab fee may be required.

Prerequisite: CSC 35500. Offered: Spring.

CSC 48000 - Telecommunications and Computer Networking (3)

The course offers the theoretical foundation necessary for understanding telecommunications and networking is the main focus of this course. Students will learn to define the components required for successful communications, identify various sending and receiving devices, understand the various topologies and communications technologies, and differentiate between a local area network and wide area network. Lab fee may be required.

Prerequisite: CSC 36000 with a C or better. Offered: Spring.

DAN - Dance

DAN 10010 - Ballet I: Beginning Level (2)

This is a beginning level course in the study of ballet technique, including alignment, balance, flexibility, strength, proper use of ballet movements, and use of ballet vocabulary/terminology. May be repeated for credit.

DAN 10011 - Ballet I: Intermediate Level (2)

This course is designed for the first year student with previous ballet training. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10012 - Ballet I: Advanced Level (2)

This course is for the first year student who enters the program with extensive training in ballet. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10020 - Contemporary I: Beginning Level (2)

This course is a beginning level practical study of contemporary dance techniques, forms, and styles. May be repeated for credit.

DAN 10021 - Contemporary I: Intermediate Level (2)

This course is designed for the first year student with previous training in contemporary/modern dance. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10022 - Contemporary I: Advanced Level (2)

This course is for the first year student who enters the program with extensive training in contemporary/modern dance. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10030 - Jazz I: Beginning Level (2)

This course is a beginning level practical study of jazz technique, including alignment, balance, flexibility, strength, proper execution of movements, and jazz vocabulary/terminology. May be repeated for credit.

Offered: Spring.

DAN 10031 - Jazz I: Intermediate Level (2)

This course is designed for the first year student with previous training in jazz dance. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10032 - Jazz I: Advanced Level (2)

This course is for the first year student who enters the program with extensive training in jazz dance. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Fall/Spring.

DAN 10040 - Tap I: Beginning Level (2)

This course is a beginning level practical study of tap dance, including body alignment, balance, coordination, counting, improvisation, and musicality. May be repeated for credit.

Offered: Fall.

DAN 10041 - Tap I: Intermediate Level (2)

This course is designed for the first year student with previous training in tap dance. May be repeated for credit.

Offered: Intermittently.

DAN 10042 - Tap I: Advanced Level (2)

This course is for the first year student who enters the program with extensive training in tap dance. May be repeated for credit.

Prerequisite: Dance placement class. Offered: Intermittently.

DAN 10100 - Introduction to Dance (3)

GE-Human Culture: Arts This course is a beginning level movement course in dance techniques, body awareness, creativity, and cultural appreciation. Students are introduced to various styles and genres of dance including ballet, modern, contemporary, jazz, tap, hip hop,

ballroom, social dance, and world dance forms, through the technique, history and social relevance of each style/genre.

Offered: Fall/Spring.

DAN 17000 - First Year Seminar in Dance (1)

This course is an orientation to the field of dance for dance majors, including opportunities within the department and various dance companies and organizations. Lab fee may be required.

Offered: Fall.

DAN 17100 - Dance as an Art (3)

GE-Human Culture: Arts/Human Diversity This course is an introduction to dance styles, techniques, production elements, and the role of dance in culture. Previous dance experience is not required.

DAN 19000-19099 - Special Topics in Dance (1-3)

Special topics in dance. May be repeated as topics vary. Course fee may be required.

DAN 20011 - Ballet II: Intermediate Level (2)

This course is a continuation of DAN 10011. May be repeated for credit.

Prerequisite: DAN 10011 and placement class. Offered: Fall/Spring.

DAN 20012 - Ballet II: Advanced Level (2)

This course is a continuation of DAN 10012. May be repeated for credit.

Prerequisite: DAN 10012 and placement class. Offered: Fall/Spring.

DAN 20021 - Contemporary II: Intermediate Level (2)

This course is continuation of DAN 10021. May be repeated for credit.

Prerequisite: DAN 10021 and placement class. Offered: Fall/Spring.

DAN 20022 - Contemporary II: Advanced Level (2)

This course is a continuation of DAN 10022. May be repeated for credit.

Prerequisite: DAN 10022 and placement class. Offered: Fall/Spring.

DAN 20031 - Jazz II: Intermediate Level (2)

This course is a continuation of DAN 10031. May be repeated for credit.

Prerequisite: DAN 10031 and placement class. Offered: Fall/Spring.

DAN 20032 - Jazz II: Advanced Level (2)

This course is a continuation of DAN 10032. May be repeated for credit.

Prerequisite: DAN 10032 and placement class. Offered: Fall/Spring.

DAN 20041 - Tap II: Intermediate Level (2)

This course is a continuation of DAN 10041. May be repeated for credit.

Prerequisite: DAN 10041 and placement class. Offered: Intermittently.

DAN 20042 - Tap II: Advanced Level (2)

This course is a continuation of DAN 10042. May be repeated for credit.

Prerequisite: DAN 10042 and placement class. Offered: Intermittently.

DAN 20050 - Dance Theory and Composition I (2)

This course is an exploration of basic compositional theories of dance through mastery of improvisational movement techniques and choreography.

Offered: Fall.

DAN 20055 - Dance Theory and Composition II (2)

This course is an extension of DAN 20050 with an emphasis on group dance.

Prerequisite: DAN 20050. Offered: Spring.

DAN 23100 - Musical Theatre Dance (2)

This course is designed to prepare students for musical theatre dance auditions, including study of various styles, movements, and choreography used in professional musical theater productions. This course can be repeated up to a maximum of 6 credit hours.

Prerequisite: Two semesters of jazz technique and one semester of tap technique. Offered: Intermittently.

DAN 26000 - Anatomy for Dancers (3)

This course is a study of anatomical principles as they apply to dance training and performance. Emphasis on optimal dance movement and the related principles for understanding the function of bones, joints, and muscles in movement, and the physiological systems that support these functions. By applying these principles, dancers can help reduce their risk of injury, enhance their performance longevity, and improve their own teaching of dance techniques.

Offered: Intermittently.

DAN 27100 - Dance History (3)

This course is a study of historical concepts in dance, including European origins of classical ballet, Africanist contributions, and postmodern impulses with an emphasis on aesthetic, cultural, and political themes.

Prerequisite: DAN 17100. Offered: Intermittently.

DAN 27200 - Content and Standards for K-12 Dance Education (2)

This course introduces candidates seeking K-12 dance certification to learning outcomes for students in grades K-1, 2-3, 4-5, 6-8, and 9-12 through the design of instructional units that pair established standards with diverse and exemplary methods, materials, and repertoires.

Prerequisite: EDU 11100; EDU 20200.

DAN 29000-29099 - Special Topics in Dance (1-3)

Special topics in dance. May be repeated as topics vary. Course fee may be required.

Prerequisite: Permission of the dean.

DAN 30011 - Ballet III: Intermediate Level (2)

This course is a continuation of DAN 20011. May be repeated for credit.

Prerequisite: DAN 20011 and placement class. Offered: Fall/Spring.

DAN 30012 - Ballet III: Advanced Level (2)

This course is a continuation of DAN 20012. May be repeated for credit.

Prerequisite: DAN 20012 and placement class. Offered: Fall/Spring.

DAN 30021 - Contemporary III: Intermediate Level (2)

This course is a continuation of DAN 20021. May be repeated for credit.

Prerequisite: DAN 20021 and placement class. Offered: Fall/Spring.

DAN 30022 - Contemporary III: Advanced Level (2)

This course is a continuation of DAN 20022. May be repeated for credit.

Prerequisite: DAN 20022 and placement class. Offered: Fall/Spring.

DAN 30031 - Jazz III: Intermediate Level (2)

This course is a continuation of DAN 20031. May be repeated for credit.

Prerequisite: DAN 20031 and placement class. Offered: Fall/Spring.

DAN 30032 - Jazz III: Advanced Level (2)

This course is a continuation of DAN 20032. May be repeated for credit.

Prerequisite: DAN 20032 and placement class. Offered: Fall/Spring.

DAN 30041 - Tap III: Intermediate Level (2)

This course is a continuation of DAN 20041. May be repeated for credit.

Prerequisite: DAN 20041 and placement class. Offered: Intermittently.

DAN 30042 - Tap III: Advanced Level (2)

This course is a continuation of DAN 20042. May be repeated for credit.

Prerequisite: DAN 20042 and placement class. Offered: Intermittently.

DAN 30050 - Dance Theory and Composition III (2)

This course is an extension of DAN 20055 with added emphasis on compositional form and structure as well as elements of music and other factors that affect the performance quality of dance choreography and performance.

Prerequisite: DAN 20055 with a C or better. Offered: Intermittently.

DAN 30055 - Dance Theory and Composition IV (2)

This course is an extension of DAN 30050 with special focus on advanced level composition and analysis specific to the individual student's professional career objectives.

Prerequisite: DAN 30050 with a C or better. Offered: Intermittently.

DAN 30301 - Dance Performance Practicum (0-1)

This practicum course is open to all students by permission, and requires participation in public dance performances. May be repeated for credit.

Offered: Fall/Spring.

DAN 30350 - Dance Composition Practicum (1)

This practicum course is open to all students by permission, and requires public presentation of choreography. May be repeated for credit. Lab fee may be required.

DAN 36000 - Dance Kinesiology (3)

The purpose of this course is to facilitate the exploration of dance kinesiology through investigation of anatomical and biomechanical principles used to optimize performance. Lessons will be constructed to enhance the embodiment of scientific information (fact and theory) in order to better understand the dancing body, reduce injury, dispel myths, and enhance performance. With opportunities to increase efficiency of movement, self-analyze movement tendencies, and study choreography, students will gain practical information in which to continue exploring.

Prerequisite: DAN 26000. Offered: Intermittently.

DAN 37100 - Dance in the 21st Century (3)

GE-Human Culture: Arts/Human Diversity This course explores the history and role of dance in different cultures. Through video observations, readings, and class discussions, students will be exposed to the multicultural influences on dance in today's society. Previous dance experience is not required.

Prerequisite: ENGL 17000; DAN 10100 or DAN 17100.
Offered: Spring.

DAN 37200 - Dance Pedagogy (3)

This course is a survey of principles and practices of teaching dance in schools and private studio settings.

Prerequisite: Permission of the dean. Offered: Intermittently.

DAN 37250 - Dance Studio Management (3)

An exploration of topics related to the principles of dance studio management. Topic may include studio location & facility considerations, marketing strategies, hiring practices, staff training, employee client relations, and recital preparation/production including music selection and copyright issues, costume ordering and inventory, profitability, and recital services. Course fee may be required.

Offered: Intermittently.

DAN 37401 - Dance and Technology (3-6)

This course is designed to prepare students to enter the professional workforce through the study of software applications useful in the creation and enhancement of an electronic portfolio highlighting performance, choreography, and teaching abilities. Areas of study include sound score design, video editing, and graphics manipulation. May be repeated for credit up to a maximum of 6 credit hours.

Prerequisite: DAN 17100. Offered: Intermittently.

DAN 37501 - University Dance Ensemble (0-1)

This course is open by audition only and focuses on choreography and performance, including public performances on campus and in various off-campus venues, workshops, and community outreach. May be repeated for credit.

Prerequisite: Audition. Offered: Fall/Spring.

DAN 39000-39099 - Special Topics in Dance (1-3)

Special topics in dance. May be repeated for credit as topics vary. Course fee may be required.

DAN 40012 - Ballet IV: Advanced Level (2)

This course is for the advanced ballet student and focuses on performance qualities and preparation for entrance into graduate dance programs and professional employment in the field. May be repeated for credit.

Prerequisite: DAN 30012 and placement class. Offered: Fall/Spring.

DAN 40022 - Contemporary IV: Advanced Level (2)

This course is for the advanced level contemporary dancer and focuses on preparation for entrance into graduate dance programs and professional employment in the field. May be repeated for credit.

Prerequisite: DAN 30022 and placement class. Offered: Fall/Spring.

DAN 40032 - Jazz IV: Advanced Level (2)

This course is for the advanced level jazz dancer and focuses on performance qualities in a variety of jazz styles. May be repeated for credit.

Prerequisite: DAN 30032 and placement class. Offered: Fall/Spring.

DAN 40042 - Tap IV: Advanced Level (2)

This course is for the advanced level tap dancer and focuses primarily on a variety of rhythm tap styles. May be repeated for credit.

Prerequisite: DAN 30042 and placement class. Offered: Intermittently.

DAN 42500 - Pointe Technique (2)

This course offers intermediate and advanced studies in pointe techniques and variations for students with special interest. May be repeated for credit.

Prerequisite: Permission of dean.

DAN 47000 - Senior Seminar in Dance (1)

This course serves as a preparatory course for DAN 47200 (capstone course for dance majors).

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

DAN 47200 - Senior Project (3)

Capstone course for dance majors that requires a culminating project in one of the following areas: choreography, performance, dance history, dance pedagogy, or an approved special topic. Lab fee may be required.

Prerequisite: DAN 47000. Offered: Spring.

DAN 47500 - Professional Internship in Dance (1-6)

Supervised work experience for the advanced student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of six credit hours.

Prerequisite: ENGL 17000 with a C or better; junior standing; permission of dean.

DAN 49000-49099 - Special Topics in Dance (1-3)

Special topics in dance. May be repeated as topics vary. Course fee may be required.

Prerequisite: Permission of dean.

DCS - Digital Content Strategy

DCS 10000 - History of Contemporary Media Industries (3)

This course introduces the major shifts in established media industries from the twentieth to the twenty-first century. Students will examine the influence of technological innovation on these media industries, as well as how the line between audience and creator has blurred in the age of digital resources and user-created media. A detailed history of major media industries will be provided and how they were forced to adapt to audience and technology.

DCS 10001 - Social Media Marketing Seminar (0)

All Social Media Marketing majors are required to enroll in this course every fall and spring semester throughout their program of study. Meetings will include announcements, workshops, guest speakers, and production coordination. This course is graded on a Pass/Fail basis. May be repeated.

Offered: Fall/Spring/Summer.

DCS 12000 - Graphic Communication (3)

This course is designed to provide students with an introductory understanding of graphic communication principles, including design, typography, layout, color theory, and concept development. Students will also gain hands-on experience with industry-standard software tools, Adobe Photoshop and Illustrator. By the end of the course, students will be equipped with the knowledge and skills necessary to create visually compelling and effective graphic designs for digital, video, and social media environments.

DCS 13000 - Video for Social Media (3)

This course is designed to equip students with the skills and knowledge necessary to create engaging and professional-quality videos for various social media platforms. Students will learn the fundamentals of video production, including planning, shooting, editing, and optimizing videos for social media. By the end of the course, students will be proficient in creating content that captures attention and resonates with online audiences.

DCS 18600-18699 - Special Topics (1-3)

Special topics in digital content strategy. May be repeated as topics vary. Course fee may be required.

DCS 20000 - Digital Content and Demographics (3)

This course will serve as an overview of the demographic analysis techniques and the quantifying of demographic data. Students will learn how to analyze trends in digital

media from various areas such as social media, journalism, and memetic content. Through demographic analysis of major digital platforms students will learn to illustrate demographic concepts and apply that knowledge in their content creation.

Offered: Fall/Spring.

DCS 21000 - Introduction to Social Media Platforms (3)

This course will serve as a contextual overview of the most dominant social media platforms. Students will learn the various trend histories and influential moments on a variety of platforms to form a timeline of the history of internet culture.

DCS 28600-28699 - Special Topics (1-3)

Special topics in digital content strategy. May be repeated as topics vary. Course fee may be required.

DCS 30000 - Media Literacy Theory (3)

An application of the major methodologies to interpreting media messages in the 21st century. Through content analysis of the cognitive, emotional, moral, and aesthetic influences of media, students will learn to consume media with a more trained eye. Students will then apply their findings through academic essays, videos, and presentations examining journalism, film, television, videogames, and social media.

Prerequisite: COM 32700. Offered: Fall/Spring.

DCS 32500 - Social Media Strategy (3)

This course will teach students how to create detailed social media strategies that utilize the powerful reach of social media platforms. Students will examine contemporary marketing campaigns in the most popular social media platforms and analyze these techniques to be implemented in their own campaigns. This course will focus on teaching students how to develop a social media presence and brand for an outside entity (consulting client, small business, artists, corporations, etc.).

DCS 35000 - Personal Branding (3)

Social media platforms have allowed people to craft their own personal brand as never before. Through platforms, users are able to become their own media company and can apply that experience to other brands. In this course, students will learn to create, promote, protect, maintain, and monetize their own personal brand by utilizing major social media platforms. Students will learn to analyze audience data to construct trend predictions and ultimately, create better content.

Offered: Fall/Spring.

DCS 36000 - Information Literacy (3)

This course will examine the principles, practices, and critical thinking skills necessary to effectively evaluate and locate diverse information sources in a digital world. Students will learn how to effectively seek out and vet information from multiple sources as well as understand the forces that shape the flow of information. This course will cover contemporary topics, such as copyright in the digital age, the influence of algorithms and filter bubbles on the flow of information, and the impact of open source technology on established informational institutions.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

DCS 37100 - Social Media Strategy Practicum (3)

This course provides students with real-world experience in the design of social media content for regional entities. Students will work directly with clients in the development of audio, video, and graphic content in addition to overall branding strategies. The practicum is collaborative and cross-disciplinary, allowing students to work closely with clients and each other in design and execution. May be repeated for a maximum of 6 credit hours.

DCS 38600-38699 - Special Topics (1-3)

Special topics in digital content strategy. May be repeated as topics vary. Course fee may be required.

DCS 38700 - Emerging Platforms and Analytics (3)

Emerging media platforms--including mobile, social, and digital--are more than distribution channels. They offer unique user experiences and opportunities for communicators to connect with an audience. Students will learn the data visualization software Tableau, which allows users to explore, analyze, and utilize databases. Using content creations strategies, trend analysis, and data analytics, students will learn how to understand their audience, and develop dynamic content for storytelling, user engagement, and brand management.

Prerequisite: MTH 14100 or MTH 14200.

DCS 40000 - Contemporary Audience Analysis (3)

This course will focus on methods of examination of audience behavior in an increasingly dominant digital media environment. Students will concentrate on the work of scholars and media industry professionals who analyze the meaning of the social, cultural, and political dimensions of a digitally mediated world. Marketing and sociological concepts will also be applied in the analysis of audience behavior and how to quantify that data into meaningful media messages.

Offered: Fall/Spring.

DCS 44500 - Advanced Social Media Strategy (3)

This course will focus on teaching students how to develop a social media presence and brand for an outside entity

(consulting client, small business, artists, corporations, etc.). Rather than dealing in exercises with theoretical clients, students will be tasked with finding, consulting with, and ultimately writing a content strategy plan for a real-world client of their choosing.

Prerequisite: DCS 32500.

DCS 48000 - Digital Content Strategy Capstone (3)

Students will apply their skills to their own original digital content campaign. Students will independently seek out and pitch to a real-world client with the goal of executing a specific goal or campaign. By utilizing major platforms, students will craft a unique message through the creation of branded content. Students will set predictions of success prior to roll-out in a report which will be used at the end of the semester to assess the success of the campaign.

Prerequisite: Senior standing. Offered: Fall/Spring.

DCS 48600-48699 - Special Topics (1-3)

Special topics in digital content strategy. May be repeated as topics vary. Course fee may be required.

DSCI - Data Science**DSCI 11000 - Introduction to Data Science (3)**

This course provides students with an introduction to computer programming with an emphasis on applications relevant to data science. Topics covered include arrays, loops, conditional statements, functions, reading data, data visualization, and data manipulation. Lab fee may be required.

Prerequisite: MTH 15100, MTH 15200, MTH 27100, or MTH 27200 with a C or better; or passing the math placement test.

DSCI 30100 - Data Analysis with R (3)

This course serves as an introduction to data analysis using the statistical programming language R. Topics include importing and cleaning data, data visualization, data manipulation, text mining, geospatial data, network analysis, and tools for presenting data, including R markdown. Optional topics could include time series and machine learning algorithms. Emphasis will be placed on the "tidyverse" suite of packages. Lab fee may be required.

Prerequisite: MTH 14100 or MTH 24100 with a C or better.

DSCI 35600 - Machine Learning (3)

This course will provide an introduction to the field of Machine Learning. Several machine learning algorithms will be discussed, including but not limited to: linear regression, logistic regression, linear discriminant analysis, naïve Bayes classifiers, support vector machines, K-nearest neighbors, K-means clustering, and tree-based models.

This course will explore both theoretical and applied aspects of Machine Learning. Lab fee may be required.

Prerequisite: CSC 14400 with a C or better; CSC 24400 or DSCI 30100; MTH 24100.

DSCI 37000 - Big Data Analytics (3)

This course is an introduction to large-scale data analytics, discussing modern platforms and techniques used in processing, analyzing, and deriving insights from large data sets.

Prerequisite: CSC 30500, DSCI 35600, and MTH 24100 each with a C or better.

ECON - Economics

ECON 23010 - Survey of Economics (3)

GE-Social Science This course introduces basic economics concepts, relationships, and institutions. It provides a foundation for applying economics to individual decision-making and for critically analyzing aggregate economic behavior and policy. Topics covered include supply and demand, consumer choice, competition, monopoly, the labor market, government intervention, business cycles, fiscal policy, money and banks, monetary policy, and international trade. Please note, this course satisfies one social science general education requirement, but does not fulfill core or elective requirements for business majors. Lab fee may be required.

Offered: Fall/Spring.

ECON 23020 - Principles of Microeconomics (3)

GE-Social Science This course introduces students to economic concepts, relationships, and institutions related to individual and firm decision-making. Supply, demand, and opportunity cost are used to analyze the actions of individuals and firms in a market framework. Topics covered include marginal analysis, production possibilities, elasticity, household and consumer choice, firm production and costs, profit maximization, input markets, and market structures. This course must be taken by all business majors to fulfill one GE Social Science requirement (ECON 23010 may not be substituted), and a grade of C or better must be earned; any student majoring in a business discipline who does not earn a grade of C or better will be required to repeat the course and earn a minimum grade of C in order to continue in the business degree program. Lab fee may be required.

Prerequisite: MTH 14100, MTH 14200, MTH 15100, MTH 15200, MTH 17500, MTH 24100, MTH 27100, or MTH 27200 with a C or better. Offered: Fall/Spring.

ECON 23030 - Principles of Macroeconomics (3)

GE-Social Science This course introduces students to economic concepts, relationships, and institutions related to the aggregate economy. Keynesian and classical analysis is used to analyze the effect of fiscal and monetary policy actions on employment, output, and prices. Topics covered

include business cycles, economic growth, unemployment, inflation, aggregate demand/supply, fiscal policy, monetary policy, and international trade. This course must be taken by all business majors as a part of the business core requirement (ECON 23010 may not be substituted.) Although not required, it is recommended that students complete ECON 23020 prior to taking ECON 23030. Lab fee may be required.

Prerequisite: MTH 14100, MTH 14200, MTH 15100, MTH 15200, MTH 17500, MTH 24100, MTH 27100, or MTH 27200 with a C or better. Offered: Fall/Spring.

ECON 31200-31299 - Directed Studies in Economics (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

ECON 33020 - Managerial Economics (3)

This course explores the theory of firm decision-making in various market environments through an applications-based approach; economic theory is integrated with other business disciplines.

Prerequisite: ECON 23020, ECON 23030 and ENGL 17000 with a C or better. Offered: Spring.

ECON 33025 - Money and Banking (3)

This course extends macroeconomic policy analysis with emphasis on the role of financial markets, financial intermediaries, foreign exchange markets, and the Federal Reserve.

Prerequisite: ECON 23010 or ECON 23030 and ENGL 17000 with a C or better. Offered: Fall.

ECON 33031 - International Economics (3)

This course focuses on the causes and composition of international trade, policies used to control or promote trade, the balance of payments, and foreign exchange markets and institutions. Lab fee may be required.

Prerequisite: ECON 23010 or ECON 23020; ENGL 17000 with a C or better. Offered: Fall.

ECON 33037 - Current Economic and Social Policy (3)

This course applies basic principles of microeconomics to analyze current economic and social issues and policies. Topics covered include taxes, rent controls, the minimum wage, discrimination, immigration, education, healthcare, agriculture, social welfare, the environment, and international trade.

Prerequisite: ECON 23010 or ECON 23020; ENGL 17000 with a C or better.

ECON 33040 - Intermediate Microeconomics (3)

This course examines and expands on the concepts introduced in ECON 23020 and introduces additional tools of economic analysis. Topics covered include partial equilibrium analysis using supply and demand, utility maximization, elasticity, welfare economics, and the behavior of competitive firms. The course also introduces theories of market failures such as monopoly, externalities, and public goods.

Prerequisite: ECON 23020; ENGL 17000 with a C or better. Offered: Fall.

ECON 33045 - Intermediate Macroeconomics (3)

This course examines and explores theories and models introduced in ECON 23030 to deepen student understanding of the factors influencing the macroeconomy. Fiscal and monetary policies are also analyzed in greater depth. Various schools of economic thought-Classical, Keynesian, and Monetarist-are compared and contrasted. Material is presented in the context of recent U.S. economic events.

Prerequisite: ECON 23030; ENGL 17000 with a C or better. Offered: Spring.

ECON 33051 - U.S. Economic History (3)

This course uses economic theory and quantitative techniques to demonstrate the connections between key events in U.S. history and today's political, social, and economic issues. The relationships between changes in laws, government policies, and other institutions and current economic, social, and political events are elevated and dissected. The key sources of U.S. economic growth and prosperity over the last 200-plus years are identified, examined, and investigated. Analytical tools and data are specifically employed to investigate the intended and unintended consequences of innovation, changes in private property rights, amendments to the United States Constitution, the events leading to and following the Civil War, the not-so-roaring 20s, government activism during the Great Depression, the War on Poverty, globalization, and the Great Recession.

Prerequisite: ECON 23010, ECON 23020, or ECON 23030 and ENGL 17000 with a C or better.

ECON 33055 - Economics and the Environment (3)

This course introduces students to the economics of environmental and natural resource problems. Topics covered include externalities, public goods, property rights, the economics of pollution control and global climate change, the principles of cost-benefit analysis, and the economics of renewable and non-renewable resources.

Prerequisite: ECON 23010 or ECON 23020; ENGL 17000 with a C or better. Offered: Spring.

ECON 33060 - History of Economic Thought (3)

This course examines the development of economic theory from the Mercantilists to the present. It focuses on the

major trends in the evolution of economic theory and tools. Possible roles of existing economic and social conditions and developments in other fields are examined.

Prerequisite: ECON 23010, ECON 23020, or ECON 23030; ENGL 17000 with a C or better.

ECON 33065 - Seminar in Economic Federalism (3)

This course familiarizes students with historical shifts in the American tradition in light of current issues. Concepts may include the law of unintended consequences, decentralism, the role of civil society, and others. Students will apply the concepts to current social issues. Note that course has one classroom meeting per week and a weekend-long conference in April.

Prerequisite: ECON 23010 or ECON 23020; ENGL 17000 with a C or better. Offered: Spring.

ECON 39000-39999 - Special Topics in Economics (1-3)**ECON 41200-41299 - Directed Studies in Economics (1-6)**

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of dean of the Plaster College of Business and Entrepreneurship.

ECON 43010 - Labor Economics (3)

Analysis of labor markets and differences in wage rates and incomes. Topics include returns to education and training, labor unions, unemployment, anti-poverty programs, and other government policies influencing the labor market.

Prerequisite: ECON 33040; MGMT 36033 with a C or better.

ECON 43020 - Public Economics (3)

A rigorous treatment of the economics of the public sector. Emphasis will be placed on government expenditure and taxation. Possible topics include tax incidence, optimal taxation, dynamic analysis of fiscal policy, public goods, externalities, and public choice theory.

Prerequisite: ECON 33040; MGMT 36033 with a C or better.

ECON 43030 - Urban and Regional Economics (3)

Economic functions of cities; economic interrelationships between urban core and greater metropolitan area. Problems of location, land use, industrial and population distribution, race, housing, transportation.

Prerequisite: ECON 33040; MGMT 36033 with a C or better.

ECON 43078 - Econometrics (3)

This course introduces students to various statistical methods used to estimate and test economic models. The theory and application of multivariate linear regression analysis is covered. Students will learn the basics of econometrics software and will conduct regression analysis using real data sets. Lab fee may be required.

Prerequisite: ECON 33040 or ECON 33045 with a C or better; ENGL 17000 with a C or better; MGMT 36033 with a C or better. Offered: Spring.

ECON 43095 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses.

ECON 49000-49999 - Special Topics in Economics (1-3)**EDS - Education: Special Education****EDS 30200 - Behavior Management (3)**

This course is designed to increase student knowledge and repertoire of ethical, effective, and efficient behavioral management techniques and programs that can be used with children and youth in general and special education, home, and community settings. Research-based conceptual models that have made and continue to make significant contributions to our knowledge of learning and behavior are reviewed and analyzed through an integrative framework. Completion of observation hours in an educational setting and application of behavior management strategies are required for this course.

Prerequisite: EDU 21501; EDU 34100. Offered: Fall/Spring.

EDS 31610 - Speech and Language Development, Acquisition, and Intervention (3)

This course is designed to increase student knowledge regarding the identification of typical and atypical language development and acquisition for young children and elementary students, particularly in the areas of morphology, syntax, and semantics. Students will follow research-based and evidence-based theoretical models as they develop a hypothetical Tier 2 intervention plan and activities to enhance or support language skills.

Prerequisite: EDU 21501; EDU 34100. Offered: Fall/Spring.

EDS 31800 - Introduction to Teaching Children with Disabilities in Cross-Categorical Settings (3)

This course allows the student to examine the theories, classification system, characteristics, historical data, and related resources affecting students from the elementary through secondary levels with learning disabilities, behavior disorders, intellectual disability, and physical impairments who are placed in cross-categorical settings. Leading to teaching certification for mild and moderate disabilities K-12, service delivery models of collaborative teaching, consultative services, itinerant teaching, and resource support services are emphasized in this course. This course is required for certification.

Prerequisite: EDU 21501; EDU 34100. Offered: Fall.

EDS 32600 - Methods of Teaching Children with Disabilities in Cross-Categorical Settings (3)

This course includes a 30-hour practicum experience and is designed for undergraduates with no paid teaching experience. Methods and materials needed in teaching students from the elementary through secondary levels in cross categorical settings are studied. Both commercial and teacher developed materials are examined. Introduction to basic research in the field of mild and moderate disabilities, as well as methodology of the development of academic related areas, perceptual, cognitive, pre-vocational, and social skills are emphasized. This class will lead to teaching certification for mild and moderate disabilities K- 12. Service delivery models of collaborative teaching, consultative services, itinerant teaching, and resource support services are emphasized. This course is required for certification.

Prerequisite: EDU 21501; EDS 31800. Offered: Spring.

EDS 33000 - Introduction and Methods of Teaching Children with Disabilities in Cross-Categorical Settings (4)

This course allows the student to examine the theories, classification system, characteristics, historical data, and related resources affecting diverse learners placed in cross-categorical settings. The student will examine the impact that disabilities have on the cognitive, physical, emotional, social, and communication development of an individual and examine how students differ in their approaches to learning. Methods and materials needed in adapting instruction and supporting special needs learners in general and special education programs are studied. Service delivery models including Response to Intervention (RtI), collaborative teaching, consultative services, itinerant teaching, and resource support services are emphasized in this course. Both commercial and teacher developed materials are examined. This course will meet the new Illinois certification requirement for veteran and new teachers as a special education course.

Prerequisite: EDU 21501; EDU 32200; EDU 34100.

EDS 33300 - Speech and Language Development for the Exceptional Learner (3)

This course is designed to increase student knowledge of the characteristics of human language and how such knowledge facilitates a clearer understanding of the young special education learner. Theoretical schemes of language acquisition, the child's stages in acquisition of morphology and syntax, sound, and semantics are an integral part of the course.

Prerequisite: EDU 21501; EDU 32200; EDU 34100.
Offered: Fall.

EDS 33700 - Special Education Counseling (3)

This course combines the traditional psychology of counseling with special consideration of the problems experienced by exceptional children, their families, and their teachers.

Prerequisite: EDU 21501; EDU 32200; EDU 34100.
Offered: Fall/Spring.

EDS 34000 - Career Development (3)

This course emphasizes current theories and vocational development. Interest testing and aptitude testing significantly related to vocational development and their application to occupational training are included.

Prerequisite: EDU 21501; EDU 32200; EDU 34100.
Offered: Fall.

EDS 35000 - Practicum for Teaching Children with Disabilities in Cross-Categorical Settings (1-3)

This course is required concurrently for students enrolled in EDS 33000 or the semester following. Working with a special education teacher in a mild/moderate cross categorical setting, the student will apply the principles, techniques, strategies, and methods taught EDS 33000. Practicum students are responsible for observing and working with special education students throughout the semester under the supervision of a certificated special education teacher. Development of an Individual Education Program (IEP), lesson plans, and progress reports are required. This class will lead to teaching certification for mild and moderate disabilities K 12. Service delivery models of collaborative teaching, consultative services, itinerant teaching, and resource support services are emphasized. The practicum courses should be taken after other coursework. Only one three-hour practicum course may be taken at the same time.

Prerequisite: EDU 21501; EDU 32200; EDU 34100.

EDS 35700 - Remediation in Elementary Math (3)

This course focuses on (1) the teacher's knowledge of mathematical principles and remedial techniques fundamental to arithmetic and the psychological aspects of arithmetic learning; (2) the teacher's competency in the use of concrete materials embodying mathematical principles and structures; (3) the teacher's sensitivity and willingness to adapt instruction to experiential needs of students.

Prerequisite: EDU 21501; EDU 31310; EDU 32100 or EDU 32200. Offered: Fall.

EDU - Education**EDU 10000 - Orientation to Educational Experiences (3)**

Students will examine the roles and responsibilities of teachers, including educational law and ethical codes. This course is designed to allow the student interested in education to investigate current issues, trends, educational reforms and legal issues in education. Historical, philosophical, theoretical, governance and financing perspectives will also be analyzed. Students will understand the spectrum of diversity in the context of schools and present to the class on a variety of educational topics. This course is the prerequisite for EDU 11100 School Observation. In order to prepare students for EDU 11100 when a classroom observation is required, a Criminal Record Check is required for a nominal fee for EDU 11100. Students will also pay a site license fee for their portfolio.

Offered: Fall/Spring.

EDU 11100 - School Observation (1)

This course provides the education student with observation experience in the school setting. Students will be required to document 30 hours and 30 entries in a reflection journal. A criminal record check is required for a nominal fee for EDU 11100.

Prerequisite: EDU 10000. Offered: Fall/Spring.

EDU 11110 - Orientation to Educational Experiences with Field Experiences (3)

Students will examine the roles and responsibilities of teachers, including educational law and ethical codes. This course is designed to allow the student interested in education to investigate current issues, trends, educational reforms and legal issues in education. Historical, philosophical, theoretical, governance and financing perspectives will also be analyzed. Students will understand the spectrum of diversity in the context of schools and present to the class on a variety of educational topics. A 30-hour early level field experience is required, specific to the certification area the teacher candidate is seeking, and must be successfully completed in full to complete the course with a passing grade. Teacher Candidates are required to pay a site license fee for their portfolio (Foliotek). Application for placement in the 30-hour early level field experience is made through Foliotek and includes a nominal fee for requesting a required FCSR background check and TB test. Teacher candidates must obtain a clear criminal background check and TB test to participate in the field experience.

Offered: Fall/Spring.

EDU 20200 - Psychology of Teaching and Learning (3)

This course requires exploration in current topics of interest in relation to the study and application of learning theories to contemporary educational issues. Physical, cognitive, and emotional development of the young child through adolescence are also investigated. Students will learn theory, models, and current research in developmental and educational psychology.

EDU 21501 - Teacher Education Seminar I (1)

This course orients students to the requirements of the teacher education program and field experiences. Students will be required to purchase Foliotek, an electronic portfolio system, if they have not already done so. Passing scores on the Missouri General Education Assessment MoGEA, ACT, SAT, Content Test #73 and #74, or the paraprofessional test; a minimum of nine EDU/EDS coursework credits; an oral communications course (three credit hours); and a minimum GPA are required for acceptance into the teacher education program. Students must be accepted into the teacher education program to pass this course. If students do not pass this course, they will not be allowed to enroll in many upper level education courses. This course is graded on a Satisfactory/Unsatisfactory basis.

Prerequisite: 9 credit hours of EDU/EDS coursework.

Offered: Fall/Spring.

EDU 24600 - Children's Literature (3)

This course is a study of the history and development of literature suitable for elementary school students. Evaluation of current literature material is included. This course will also examine research on the effectiveness of a literature based integrated curriculum for diverse populations and the materials and methods used in developing and implementing such a curriculum. A variety of literature elements and genres will be explored as well as a variety of approaches to a literature-based program including drama, reader's theatre and program components for creating literature-based lessons, literature and the guided reading program, organizing materials and instruction, thematic approaches and assessment.

Offered: Fall/Spring/Summer.

EDU 24700 - Adolescent Literature (3)

The student will explore the history and development of literature suitable for middle level and secondary education evaluation of current literature material is included.

EDU 27600 - Methods of Integrating Art, Music, and Movement in Elementary Education (3)

This course is designed to provide individuals entering the teaching profession with the competencies to teach and integrate art, music, and movement as related to physical education and the performing arts. Additionally, this

course will review principles behind integration in relation to the instruction of elementary students from ethnically, culturally, racially, and linguistically diverse backgrounds, who are of different genders, from various socioeconomic levels, and with differing handicapping conditions. Lesson planning, effective teaching techniques, classroom management skills, and evaluation for instructional outcomes will be studied in a unified and thematic approach to curriculum development in art, music, and movement. Lab fee required.

Offered: Fall/Spring.

EDU 27700 - Know Yourself, Know Your World: Education in the Global Community (3)**GE-Human Culture: Foreign Culture/Human Diversity**

What does education look like across the globe? In this course, students will study and compare the educational systems of other nations and the influence of social issues such as technology, war, poverty, discrimination, etc. The class will discuss and evaluate current news stories from a variety of media related to course content. In addition, students will reflect on their own background and schooling while learning theories and key debates related to globalization, diversity, immigration, and other related concepts.

Prerequisite: ENGL 17000.

EDU 29800-29899 - Special Topics in Education (1-3)

These courses allow the education major or minor the opportunity to develop individualized learning experiences or select from courses already being offered. Courses are subject to dean approval. Lab fee may be required.

EDU 30500 - Elementary Reading Methods (3)

In this course, the student will participate in a comprehensive study of the skills required for reading in the content area and reading development, such as phonetic awareness, comprehension, vocabulary, and fluency. A variety of reading methodologies, materials, and evaluation items are presented and used with readers in the school system. This course includes a ten-hour practicum.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring.

EDU 30505 - Methods of Teaching Reading, Writing, and Oral Communication (3)

This course is designed to provide prospective teachers with a comprehensive study of the skills required for the development of reading, writing, and oral communication. Students will be presented with a foundational knowledge of communication theory and language development including phonemic awareness, word recognition and perception, vocabulary, comprehension, and fluency. This course meets the new certification requirement for all current and future Illinois educators.

Prerequisite: EDU 20200; EDU 21501.

EDU 30600 - Elementary School Language Arts Methods (3)

This course involves a comprehensive study of listening, speaking, reading, writing, thinking, viewing and visually representing communication arts skills as these skills are integrated into the contemporary language and reading program. Various methods and materials are explored.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring.

EDU 30705 - Methods of Teaching Reading in the Content Areas (3)

This course is designed to provide prospective teachers with a comprehensive study of the skills required for reading development, teaching of reading strategies, diagnosing reading difficulties, assessing and improving reading and study skills in the content area. Students will learn to apply reading concepts, theories, and techniques to content area material by developing model lesson plans and materials. This course is approved to meet the new certification requirement for current and future Illinois educators.

Prerequisite: EDU 20200; EDU 21501.

EDU 30710 - Content Literacy for Diverse Learners (3)

This course is the second required literacy class designed for middle school, high school, and K-12 content area teachers. Students will learn to apply methods of instructional interventions for adolescents with reading deficits. Students will also focus on addressing content-specific needs of English Language Learners.

Prerequisite: EDU 38700.

EDU 30900 - Analysis and Correction of Reading Difficulties (3)

This course is designed to teach students the diagnostic/prescriptive process necessary to deal with readers at various developmental levels in the classroom. Students learn to use and analyze a variety of informal and standardized diagnostic reading tests appropriate for individual and group diagnosis. Students also learn to use commercial and teacher-made materials in conjunction with basal readers to provide appropriate instruction. Students are expected to work with a problem reader during the course. Offered every semester. This course is to be taken concurrently with or prior to EDU 30999 to meet early childhood, early childhood special education, and elementary education degree program requirements.

Prerequisite: EDU 21501; EDU 30500. Offered: Fall/Spring.

EDU 30910 - Instructional Strategies, Techniques and Analysis of Literacy with Practicum (3)

This course is designed to teach teacher candidates the diagnostic/prescriptive process necessary to deal with

readers at various developmental levels in the classroom. Candidates learn to use and analyze a variety of informal and standardized diagnostic reading tests appropriate for individual and group diagnosis. Candidates also learn to use commercial and teacher-made materials in conjunction with basal readers to provide appropriate instruction. This course provides the Candidate with clinical experiences in the use of diagnostic instruments and procedures for identifying types of reading difficulties. The candidate will complete the practicum in an elementary school setting or in a summer reading camp program taught and supervised by a Lindenwood professor. The student will be expected to administer, score, and interpret basic tests and to write case study reports. This course includes a 45 hour practicum. Only one practicum course may be taken in a semester.

Prerequisite: EDU 21501; EDU 30500. Offered: Fall/Spring/Summer.

EDU 30999 - Practicum: Analysis and Correction of Reading Difficulties (2)

This course is required for students working towards completion of an early childhood, early childhood special education, or elementary education program. This course provides the student with clinical experiences in the use of diagnostic instruments and procedures for identifying types of reading difficulties. The student will complete the practicum in an elementary school setting or in a summer reading camp program taught and supervised by a Lindenwood professor. The student will be expected to administer, score, and interpret basic tests and to write case study reports. This course is taken concurrently with EDU 30900. *Note: Only one practicum course may be taken in a semester.*

Prerequisite: EDU 21501; EDU 30500. Offered: Fall/Spring.

EDU 31200 - Elementary School Mathematics Methods (3)

This course provides a survey of approaches in the teaching of mathematics for the student preparing to teach in elementary schools.

Prerequisite: EDU 21501; EDU 32200; two MTH courses MTH 14800 or higher. Offered: Fall/Spring.

EDU 31300 - Elementary School Social Studies Methods (3)

This course includes the theoretical and practical aspects of the early childhood and elementary social studies curriculum. Methodology, techniques, strategies, and materials appropriate to the area are investigated. Students are expected to plan and develop a variety of social studies instruction formats and content including community helpers, civics and government, multicultural awareness, and economics at the state level. Lab fee required.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring.

EDU 31310 - Instructional Design in Math, Science and Social Studies (3)

This course is designed to explore various methods, materials, strategies and lesson designs used in early childhood and elementary programs for teaching content areas of Math, Social Studies and Science. Students will investigate inquiry lesson designs relevant to teaching content areas and conduct one or more experimental investigations outside of class. Students will use Missouri Learning Standards for Mathematics, Social Studies and Science, as well as, NCTM standards, National Curriculum for Social Studies (NCSS) with themes including culture, change, geography and the environment, local and state civics and government, economics, STEM relationships and tools for social science inquiry, and global awareness and interdependence in this course. Lab fee may be required.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring/Summer.

EDU 31400 - Utilizing Family and Community Resources (3)

This course examines community resources and methods of incorporating effective and active communication between home, school and community. Students will explore current resources, as well as incorporate digital components to strengthen a young child's living and learning environments.

Prerequisite: EDU 20200; EDU 21501; EDU 34100. Offered: Fall.

EDU 31600 - Language Acquisition and Development for Young Children (3)

This course includes a study of the nature of language, the normal sequence of language development, an introduction to the theories of language acquisition, and monitoring instruction of linguistically and culturally diverse students in a variety of English Language teaching contexts. This course will highlight the following: how the young child's environment and culture influence their language development, how early childhood educators develop strategies and developmentally appropriate activities for stimulating language growth, how early childhood educators can effectively identify typical and atypical language acquisition development.

Prerequisite: EDU 20200; EDU 21501; EDU 34100. Offered: Fall.

EDU 31700 - Introduction to Early Childhood/Early Childhood Special Education (3)

This course includes a study of basic early childhood environmental principles, which are designed to meet the needs of the developing child. Cognitive, physical, social, emotional, and creative development are investigated and

observed in the early childhood setting. Curriculum and materials appropriate for early education are emphasized, as well as planning and executing activities for the young child. Growth, development, and special needs of preschool children with disabilities are discussed, including developmentally appropriate practices, assessment, material, and curriculum adaptation necessary when working with this population. A 30-hour practicum is embedded in this course and includes 15 hours in an infant/toddler classroom and 15 hours in a preschool to third grade classroom.

Prerequisite: EDU 20200; EDU 21501; EDU 34100. Offered: Fall/Spring.

EDU 31900 - Elementary School Science Methods (3)

This course is designed to explore various methods, materials, strategies, and processes used in early childhood and elementary, science programs. Students are expected to plan, develop, and teach several science lessons using a variety of science instruction formats. Lab fee required.

Prerequisite: EDU 21501; EDU 32200; any BSC course with GE-natural science w/lab designation. Offered: Fall/Spring.

EDU 32000 - History and Philosophy of Education (3)

This course is a comprehensive study of the historical structure and philosophy of American education, its roots in the past, its relationship to other present educational systems and its possible future directions.

EDU 32100 - Middle/High School Classroom Teaching and Technology (3)

This course will enable students to examine the specific techniques and procedures for effective teaching at the secondary level. Students will examine what is required to design logical, engaging, and rigorous lessons that meet the needs of all learners. This course will promote collaboration and consultation with colleagues to explore several approaches for planning lessons including the direct teaching model. Students will apply Blooms Taxonomy as related to lesson plan objectives and assessments in planned lessons. The technology examined will review and/or introduce the application of instructional technologies, including but not limited to Microsoft Office, Smart Board, and smart phone and tablet applications.

Prerequisite: EDU 11100; EDU 20200; EDU 34100. Offered: Fall/Spring.

EDU 32200 - Elementary Classroom Teaching and Technology (3)

This course will allow students to examine the specific techniques and procedures for effective teaching at the elementary level. Students will examine what is required to design logical, engaging, and rigorous lessons that meet the needs of all learners. This course will promote

collaboration and consultation with colleagues to explore several approaches for planning lessons including the direct teaching model. Students will apply Blooms Taxonomy as related to lesson plan objectives and assessments in planned lessons. The technology examined will review and/or introduce the application of instructional technologies, including but not limited to Microsoft Office, Smart Board, and smart phone and tablet applications.

Prerequisite: EDU 11100; EDU 20200; EDU 34100.
Offered: Fall/Spring.

EDU 32300 - Methods of Teaching Elementary School Music (3)

This course is a study of the various approaches to music education in the elementary schools. For music education majors.

Offered: Fall.

EDU 32305 - Methods of Teaching Elementary Art (3)

This course is a study of the various approaches to art education in the elementary schools. For art education majors. Studio work and lecture on creative expression and techniques is included. Lab fee required.

Prerequisite: EDU 11110.

EDU 32315 - Methods of Elementary Physical Education (3)

This course is designed to prepare the elementary physical education teacher in the methodologies associated with teaching physical education to the elementary school child. Students will apply the tenets of human growth and development, motor learning, physiology of exercise, self-concept, and personal development to the physical education of elementary students (Grades K-4). The course covers basic skills, gymnastics/tumbling, rhythms, relays, games of low organization and body awareness and mechanics. Includes a practicum placement in an elementary school.

Offered: Fall.

EDU 32320 - Methods of Intermediate Physical Education (3)

This course is designed to provide a study in the techniques for instruction in motor skills, basic game skills, posture and body mechanics, games of low organization, body awareness, and introduce/institute the concepts of fair play and team work to the intermediate school student (Grades 5-9).

Offered: Fall/Spring.

EDU 32400 - Assessment of Intellectual Skills (3)

This course teaches students about the use of non-projective, educationally relevant tests, including theories of measurement, test construction, test administration, and the use of assessment results. Students will review administration of one of the more commonly used methods

of assessment, either the SB-V or WISC-V. Students will be provided with opportunities (online or in class) to view assessments and demonstrations of the commonly used assessments in schools today. Students will also be introduced to ethical considerations, confidentiality, and the impact of diversity in testing. The role of testing in special programs, including gifted identification and the Response to Intervention (RtI) model will also be discussed. Lab fee required.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring.

EDU 32500 - Perceptual Motor Development (3)

This course examines the complex relationship between sensory perception and the development of gross and fine motor skills. The student will analyze, evaluate, and apply the research in this field, the methods and tools of assessment, materials and activities used to enhance and/or remediate the development of perceptual-motor skills.

Prerequisite: EDU 32200 or PE 15000. Offered: Fall/Spring.

EDU 32700 - Early Childhood Cognitive Curriculum Concepts (3)

This course will provide the student with techniques, methods and materials used in the curriculum areas of science and social studies for the young child (ages 3-8). Students will review relevant child development issues, learn the rationale for teaching these curriculum areas, and the importance of integrating them into the entire curriculum. Development and implementation of lesson plans are a part of this course.

Prerequisite: EDU 21501; EDU 32200. Offered: Spring.

EDU 32900 - Creative Curriculum Materials for Early Childhood/Early Childhood Special Education Programs (3)

This course is designed to familiarize students with innovative curricula and materials which support art, music and movement in developmentally appropriate early childhood and early childhood special education programs. Students will construct and evaluate their own curriculum and materials. Techniques for integrating best practices throughout the curriculum and implementing adaptations for children with special needs is emphasized.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall.

EDU 33000 - Secondary Methods of Teaching Science (3)

This course examines a variety of methods of teaching Science in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Science instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33100 - Secondary Methods of Teaching Mathematics (3)

This course examines a variety of methods of teaching Mathematics in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Mathematics instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33200 - Secondary Methods of Teaching Modern Languages (3)

This course examines a variety of methods of teaching Modern Languages in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Modern Languages instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33300 - Secondary Methods of Teaching Art (3)

This course examines a variety of methods of teaching art in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Art instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum. Lab fee required.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33400 - Secondary Methods of Teaching English (3)

This course examines a variety of methods of teaching English in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to English instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33500 - Secondary Methods of Teaching Social Studies (3)

This course examines a variety of methods of teaching Social Sciences in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Social Sciences instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33542 - Secondary Methods of Teaching and Learning with Field Experience (3)

This course provides an overview of teaching methodology for effective instruction at the middle and high school level. Teacher candidates plan, design, and implement instruction within their specific certification area. Topics include theory and practices, research-based instructional models, culturally responsive teaching, assessment, and inclusion of students with special needs. Teacher candidates design a comprehensive unit of study, explore, and implement a variety of lesson models within their discipline including inquiry-based learning, project-based learning, cooperative learning, game-based learning, and the use of authentic assessments. This course requires an intensive 30-hour practicum where teacher candidates are required to teach multiple lessons in a school setting within their subject area under the guidance of a highly qualified mentor teacher.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33543 - Elementary Methods of Teaching Art, Music, & PE (3)

This course is designed to prepare candidates in the methods and teaching strategies for elementary grade levels in Physical Education, Music and Art. Teacher candidates will explore how to apply various approaches within specific content areas and how to develop age-appropriate learning outcomes for elementary age learners. Teacher candidates will actively engage to develop their knowledge and skills with content, lesson design, and assessment through a 30-hour practicum in the teacher candidate's specific emphasis area. During the practicum, teacher candidates will assist in the classroom as well as teach one or more formal lessons. Successful completion of all field hours, practicum assignments and practicum documentation are required to pass the course.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33600 - Secondary Methods of Teaching Business Education (3)

This course examines a variety of methods of teaching Business Education in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Business Education instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 33700 - Secondary Methods of Teaching Speech and Theatre (3)

This course examines a variety of methods of teaching Speech and Theatre in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Speech and Theatre instruction. Students will also

develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall/Spring.

EDU 33800 - Secondary Methods of Teaching Music (3)

This course examines a variety of methods of teaching Music in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Music instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 34000 - Secondary Methods of Teaching Physical Education (3)

This course examines a variety of methods of teaching Physical Education in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Physical Education instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 34310. Offered: Fall.

EDU 34100 - Education of the Exceptional Child (3)

This course allows the student to develop an understanding of the unique characteristics, strengths, and challenges of exceptional children. An overview of the historical and legal aspects in the field of special education are presented, as well as current trends, issues, and best practices for educating children with exceptionalities in contemporary settings. Students will understand the competencies necessary to effectively teach, communicate, and live with individuals who have exceptionalities in educational and natural environments. This course will focus on the social and emotional implications of the "exceptional" label to individuals, their families, and society as a whole.

Offered: Fall/Spring.

EDU 34210 - Secondary Methods in Health Education (3)

This course examines a variety of methods of teaching Health Education in middle schools and high schools, including inquiry, cooperative learning, differentiation, and interdisciplinary, etc. as well as specific strategies unique to Health Education instruction. Students will also develop a Unit Plan of instruction. This course requires a 20-hour practicum.

Prerequisite: EDU 21501; EDU 32100. Offered: Spring.

EDU 34300 - Middle/High School Differentiation and Classroom Management (3)

This course will require teacher candidates to examine and implement differentiated instruction in diverse middle school and high school classroom settings. The teacher

candidate will examine the roles of teachers including consulting and collaborating for cooperative teaching situations. The teacher candidate will also explore the demands and techniques of classroom management including: building classroom community and culture, establishing classroom systems, maximizing instructional time, management of learning materials and physical space, and the use of positive reinforcements. The student will examine various methods of differentiation and the importance of culturally responsive teaching and student engagement. Teacher candidates will create and teach multiple differentiated lesson plans. Teacher candidates will also create a comprehensive classroom management plan.

Prerequisite: EDU 21501; EDU 32100. Corequisite: EDU 38000. Offered: Fall/Spring.

EDU 34310 - Middle/High School Differentiation and Classroom Management with Field Experiences (3)

This course will require teacher candidates to examine and implement differentiated instruction in diverse middle school and high school classroom settings. The teacher candidate will examine the roles of teachers including consulting and collaborating for cooperative teaching situations. The teacher candidate will also explore the demands and techniques of classroom management including: building classroom community and culture, establishing classroom systems, maximizing instructional time, management of learning materials and physical space, and the use of positive reinforcements. The student will examine various methods of differentiation and the importance of culturally responsive teaching and student engagement. Teacher candidates will create and teach multiple differentiated lesson plans. Teacher candidates will also create a comprehensive classroom management plan. This course requires a 45-hour mid-level field experience specific to the degree and certification areas the teacher candidate is seeking.

Prerequisite: EDU 21501; EDU 32100. Offered: Fall/Spring.

EDU 34400 - Elementary School Differentiation and Classroom Management (3)

This course examines the specific demands required for differentiated instruction in diverse elementary classroom settings. Teacher candidates in this course will identify specific strategies necessary for creating a productive environment for academic achievement. Teacher candidates in this course will identify specific strategies necessary for creating a productive environment for academic achievement, including how to establishing rules and routines that set expectations for behavior; maximizing learning by managing time materials and physical space and promoting student engagement. Teacher candidates will examine strategies for reinforcing student behavior, redirecting off task behaviors and serious misbehavior of elementary students. Teacher candidates will examine the

process of consulting and collaborating with other professionals for cooperative teaching situations. This course will explore techniques of classroom management and identify best practices in managing the needs of multiple students with a range of ability and need. Teacher candidates will create lesson plans aligned to the Missouri Learning Standards and incorporate the use of technology to enhance student learning and demonstrate effective teaching pedagogy. Legal and ethical issues that control the use of technology in the classroom will be investigated.

Prerequisite: EDU 21501; EDU 32200. Corequisite: EDU 38000. Offered: Fall/Spring.

EDU 34410 - Elementary School Differentiation and Classroom Management with Field Experiences (3)

This course examines the specific demands required for differentiated instruction in diverse elementary classroom settings. Teacher candidates in this course will identify specific strategies necessary for creating a productive environment for academic achievement, including establishing rules and routines that set expectations for behavior; maximizing learning time by managing time materials and physical space and promoting student engagement. Teacher candidates will examine strategies for reinforcing student behavior, redirecting off task behaviors and serious misbehavior of elementary students. Teacher candidates will examine the process of consulting and collaborating with other professionals for cooperative teaching situations. This course will explore techniques of classroom management and identify best practices in managing the needs of multiple students with a range of ability and need. Teacher candidates will create lesson plans aligned to the Missouri Learning Standards and incorporate the use of technology to enhance student learning and demonstrate effective teaching pedagogy. Legal and ethical issues that control the use of technology in the classroom will be investigated. This course has a 45-hour practicum specific to the degree and certification areas the teacher candidate is seeking.

Prerequisite: EDU 21501; EDU 32200. Offered: Fall/Spring.

EDU 34500 - Childhood Health, Nutrition and Safety (3)

This course focuses on health, nutritional requirements, safety precautions, first aid techniques, and emergency procedures of the young child.

Offered: Fall/Spring.

EDU 34510 - Pre K-8 Health, Physical Education, and the Arts (3)

This course provides an overview of health, physical education, nutritional requirements, safety precautions, first aid techniques and emergency procedures of the young child to ensure the health and well-being of each child in a classroom setting. This course explores design methods and competencies for teaching music, movement,

and art. This course will review principles of instruction to accommodate students from diverse backgrounds and different abilities and/or exceptionalities. Lesson planning, effective teaching techniques, classroom management skills, and evaluation for instructional outcomes will be studied in a unified and thematic approach to curriculum development. Lab fee required.

Offered: Fall/Spring/Summer.

EDU 34610 - Science and Engineering for Educators (3)

The purpose of this course is to equip students with the necessary knowledge, skills, and dispositions to be an effective teacher of science and engineering. This course is designed to immerse students in learning experiences that will provide them with a robust understanding of science and engineering teaching and learning from the perspective of both learner and teacher. Though this is not a science content course, model lessons that exemplify science competencies elementary teachers are expected to achieve related to unifying concepts and processes, science as inquiry, physical science, life science, earth and space science, science and technology, science in personal and social perspectives, and the history and nature of science and engineering will be used. Students will focus on engineering design and will develop an understanding of engineering pedagogies and learning environments.

EDU 34611 - Math and Computer Science for Educators (3)

This course is designed to teach the basics of math teaching including topics such as Number and Operations, Algebra, Geometry, Measurement, Data Analysis, and Probability. Students will learn to evaluate, plan, deliver, and assess math and computer science lessons utilizing a student-centered, inquiry approach. Students will utilize computer science skills, such as basic coding, to learn strategies for teaching children to approach and persevere in problem solving, reason abstractly and quantitatively, construct viable arguments and critique the reasonings of others, modeling with math, and communicating math thinking with others. Using computer science skills, educators have the opportunity to show students the purpose and relevance of math.

EDU 34612 - Visual and Expressive Arts for Educators (3)

This course is designed to promote critical thinking, creativity, problem solving, and authentic learning environments that engage students in meaningful ways. The world of art offers a myriad of art forms that promote communication and expression, all vital to the 21st century learner. This course challenges students of all artistic abilities to engage in artistic endeavors and promote the teaching and integration of the arts in the classroom for students of all ages. Art forms covered in this course

include music, dance, theater, computer graphic design, 3D prototyping and more. No artistic skills required.

EDU 34613 - Social and Cultural Studies for Educators (3)

Through a critical lens, this course focuses on the diversity of American schools and the society for which they exist. School community and culture are addressed as well as student identity and backgrounds. Political, cultural, and economic conditions of the school experience, culturally relevant teaching practices, and a host of other social and cultural topics are covered in this course.

EDU 34614 - Virtual Teaching Practices for Educators (3)

This course is designed to prepare students to teach virtually in the school environment. Technology tools and pedagogical strategies for online teaching are a focus of this course and will prepare the future educator to teach via virtual platforms in an effective and efficient manner that promotes student learning and engagement. Building and maintaining class websites, using learning management platforms, and implementing a host of technology tools to enhance teaching in a virtual format are included in this course.

EDU 34615 - Integrated STEM Education for Educators (3)

The purpose of this course is to equip students with the necessary knowledge, skills, and dispositions to be an effective teacher of Integrated STEM Education. This course is designed to immerse students in learning experiences that will provide them with a robust understanding of Integrated STEM Education teaching and learning. Students will describe, compare, and implement a variety of instructional and assessment strategies, identify a variety of resources for effective instruction in STEM Education, and will develop lessons based on reform-based and 21st Century recommendations (i.e., constructivism, inquiry, engineering design, and science literacy). Students will be required to complete the 10-hour STEM Internship Experience (embedded within EDU 34615) to complete this course. This experience is designed to provide students the opportunity to engage in a STEM experience in a local business/organization. Potential placements include the St. Louis Zoo, St. Louis Science Center, Boeing, the World Bird Sanctuary, the Humane Society, etc...

EDU 35100 - Early Childhood Screening, Diagnosing and Prescribing Instruction (3)

This course examines developmentally appropriate methods in screening and assessing the development of young children. Students will develop skills to interpret

and share assessment results with families and initiate the referral process. Students will learn methods and strategies of effective communication to ensure curriculum accommodations for the best interest of a young child's development. Methods and materials for prescribing instruction are utilized.

Prerequisite: EDU 21501; EDU 31700; EDU 32200.
Offered: Fall/Spring.

EDU 35900 - Multicultural Education (3)

This course is designed to promote an understanding of the importance of multicultural education in a pluralistic society. Students develop awareness of their own cultural heritage and attitudes, obtain information about various minority cultures, and analyze the school as a product of the cultural heritage and attitudes.

Prerequisite: EDU 11100.

EDU 36500 - Coordination of Cooperative Education (3)

This course is for current or aspiring high school Business and Marketing teachers. It is designed to prepare the teacher candidate to plan, organize, deliver, supervise and evaluate a variety of community-based opportunities within Cooperative work experiences (work-program). Teacher candidates will leave this course with the knowledge of state and national requirements, documents and contacts needed to supervise and manage an effective vocational work program.

Prerequisite: EDU 21501. Offered: Fall/Spring.

EDU 36700 - Curriculum for Marketing Education (3)

This course develops within the student an understanding of the methods of teaching and assessing student learning in a cooperative education setting.

Prerequisite: EDU 21501. Offered: Spring.

EDU 37300 - Implementing Vocational Business Education Programs (3)

This course fulfills the necessary requirements for DESE to become vocationally certified for Business teachers. After successful completion of this course, students will be qualified for Business Vocational Education Certification. This class covers the procedures to begin, expand, and continue Vocational Business classes within a school, including the process of conducting a Vocational Business Education class within the middle and high school setting. Extensive use of computer technology, including the Internet, will be required for research and completion of projects.

Prerequisite: EDU 21501.

EDU 38000 - Pre-Student Teaching Practicum (1)

This course is designed to offer the education student experience in elementary and secondary schools or other educational environments. Evaluations are conducted by the university consultant and the host teacher. Students

must enroll for one hour of practicum (EDU 38000) as a co-requisite with EDU 34300 or EDU 34400.

Prerequisite: EDU 21501; EDU 32100 or EDU 32200.
Offered: Fall/Spring.

EDU 38110 - LindenTeach Internship (3)

This course was designed to supplement the teaching experience in regional partner districts. Teacher candidates will engage in supervised, professional field experiences and will utilize reflective practices to improve their teaching. The course will support the development of the professional knowledge, skills and disposition of the teacher candidate. This course consists of observation, individual conferences, and supervised teaching in an early childhood, elementary middle and/or secondary school setting while enrolled in a LindenTeach seminar course. The course provides candidates with the opportunity to experience the role of a substitute-teacher in a real school setting. Teacher candidates must meet all of the requirements as listed in the application, and must be accepted into the LindenTeach program in order to take this course. The teacher candidate is responsible for arranging and paying the expense of transportation to and from the assigned school for this experience. Teacher candidates must also participate in a pre-teaching experience prior to the official start of the university semester for this program. Please see College of Education and Human Services website for complete information on the LindenTeach application process. May be repeated for a maximum of 6 credit hours.

Prerequisite: EDU 21501. Offered: Fall/Spring.

EDU 38500 - Middle School Philosophy/Organization (3)

This course examines the unique philosophy and structure associated with the middle school organization. Special characteristics of program content and design are included.

Prerequisite: EDU 20200; EDU 21501. Offered: Fall/Spring.

EDU 38600 - Middle School Curriculum/Instruction (3)

This course investigates current trends in instructional programs found in typical middle schools. Attention is given to the unique learning needs of adolescents, and how schools can address those needs. Offered every semester.

Prerequisite: EDU 20200; EDU 21501.

EDU 38700 - Reading/Writing across Curriculum (3)

This course addresses the process of making reading and writing educational activities relevant to adolescents by crossing subject matter lines. Emphasis is placed on integrating basic skills into all subject area instruction.

Prerequisite: EDU 10000 and EDU 11100, or EDU 11110.
Offered: Fall/Spring.

EDU 38800 - Middle School Psychology (3)

This course will provide an understanding of and appreciation for the characteristics of the middle school adolescent. Physical, emotional, social, and intellectual development will be studied as they relate to the middle school child's education.

Offered: Fall/Spring.

EDU 38910 - Middle School Philosophy, Curriculum, and Instruction (4)

This course introduces students to the philosophy, organization, and curriculum of middle schools. Students will explore the many aspects of effectively educating diverse middle school students, focusing especially on positive teacher-student relationships. Students will also learn instructional strategies and programs best suited for middle school students. Students will identify and examine societal influences and their effects on the middle school setting. This course requires a 20-hour practicum to be completed in a middle school setting. During the practicum, the teacher candidate is required to teach at least one direct-instruction lesson in the middle school setting.

Prerequisite: EDU 21501; EDU 32100. Offered: Fall/Spring.

EDU 39800-39899 - Special Topics in Education (1-3)

These courses allow the education major or minor the opportunity to develop individualized learning experiences or select from courses already being offered. Courses are subject to dean approval. Lab fee may be required.

EDU 40400 - Advanced Measurement and Evaluation to Enhance Learning (3)

The student will experience practical approaches to ensure that classroom assessment is fair and effective. Curriculum mapping and alignment to standards are explored. Students will develop an understanding of the basic mathematics of measurement, item analysis, test score interpretation, test development, performance assessments, standardized testing, portfolios, grading procedures self-assessment, assessment of diverse student populations, and biases in educational assessment. Student reflection will facilitate an appreciation for the characteristics of an assessment-literate educator. Using data driven decision-making, students will analyze authentic student data and apply research-based strategies to create a plan for instruction to impact student learning. This course is a writing intensity course for the Department of Teacher Education. EDU 40400 is a prerequisite for EDU 41000.

Prerequisite: EDU 21501; EDU 34310 or EDU 34410.
Offered: Fall/Spring.

EDU 41000 - Student Teaching (12)

A 16-week field experience is required in this course and is specific to the certification area the teacher candidate is

seeking. The field experience hours must be successfully carried out to complete the course with a passing grade. This course consists of observation, individual conferences, and supervised teaching in an early childhood setting, elementary middle and/or secondary school and a weekly student-teaching seminar. This course is designed to be the culminating experience in a student's teacher preparation program; thus, students should have completed all of the courses necessary for the degree and certification prior to this course. The student is responsible for arranging and paying the expense of transportation to and from the assigned school. Students seeking K-12 certification must teach at both the elementary and secondary levels. Students must submit complete student teaching applications through Foliotek on time in order to be successful during student teaching. Incomplete applications will not be accepted or processed for student teaching placement. Students must successfully complete the Missouri Content Assessment prior to a student teaching placement being sought. Please see College of Education and Human Services website for complete information on student teaching application process. A student teaching lab fee is required. Course enrollment must be approved by the Curriculum and Instruction Program Council (CIPC).

All required coursework must be completed with passing grades (D or better) to be accepted into student teaching.

Prerequisite: EDU 21501; EDU 40400. Offered: Fall/Spring.

EGR - Engineering

EGR 25100 - Computer Aided Design (CAD) (3)

This course is an introduction to computer-aided design using AutoCAD.

Prerequisite: CSC 10011 or CSC 10022 with a C or better or MGMT 24000. Offered: Spring.

EGR 33500 - Engineering Mechanics-Statics and Dynamics (4)

This course includes statics of particles and rigid bodies, equivalent systems of forces, distributed forces and centroids. Applications considered include trusses, frames, beams, and cables. Other topics include; kinematics of particles, work-energy, and impulse-momentum. The course also treats friction, moments of inertia and principles of virtual work.

Prerequisite: MTH 27100; PHY 30100 with a C or better. Offered: Spring.

EGR 36100 - Circuit Theory I (4)

This course treats circuit basics, Kirchoff's laws, independent and dependent sources, circuit simplification techniques, Thevin and Norton theorems, node voltage and current-mesh techniques, operational amplifiers, and RL, RC and RLC circuits and sinusoidal steady state analysis.

Prerequisite: MTH 27200; PHY 30100 with a C or better. Offered: Fall.

EGR 36200 - Circuit Theory II-AC Circuits (4)

This course treats sinusoidal steady-state power calculations, three-phase circuits, Laplace transforms, filters, Fourier series and transforms, and two port circuits.

Prerequisite: EGR 36100.

ENGL - English

ENGL 11000 - Effective Writing (3)

This course is a co-enrollment support course for ENGL 15000. A variety of approaches, including writing prompts, journals, essays, peer/instructor review, and sentence diagramming will be employed to focus on strengthening competence and confidence in writing ability. Smaller sessions will facilitate intensive individual attention to foster writing strengths while successfully addressing areas for improvement in the following areas: sentence-level writing competency, drafting process, basic essay format, and good writing habits.

Offered: Fall/Spring.

ENGL 15000 - Composition I (3)

GE-Communication Students will learn to write in a variety of modes such as description, analysis, exemplification, comparison, and reflection. Students will navigate various rhetorical situations in order to gain extensive practice in the writing process. Students must earn a C or better in ENGL 15000 or EPP 15000 to advance to ENGL 17000.

Prerequisite: ENGL 11000/EPP 11000 with a C or better, other equivalencies, or recommended placement into ENGL 15000. Offered: Fall/Spring.

ENGL 17000 - Composition II (3)

GE-Communication Students will learn to conduct, track, and cite research; analyze persuasive writing; and compose research-based, academic arguments. The course prepares students for the rigors of academic writing in various disciplines. Students must earn a C or better in ENGL 17000 to graduate.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. Offered: Fall/Spring.

ENGL 20000-20099 - Introduction to Literature (3)

GE-Human Culture: Literature What is literature? This course is an introduction to the reading and analysis of literature; the semester's work will involve extensive reading across time and genre. This course is intended to give you a sense of the range of literary genres; to practice modes of literary criticism; and to gain more experience in writing effective and insightful analyses of poems, short stories, and plays. How do we find meaning in literature? How does the structure of a poem or story inform its content? What are the ways in which speech and thought

are represented? It may go without saying, but it is a course objective that you take pleasure in your reading; these texts have been chosen to both challenge and delight you.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. English majors may take this class concurrently with ENGL 15000 with the permission of the Department Head.

ENGL 20100 - Premodern World Literature (3)

GE-Human Culture: Literature/Human Diversity What were the stories that shaped civilization? In this course, we will survey some of the most powerful stories from around the world—stories that gave expression to the realities and dreams of the civilizations which produced them, and in so doing, guided the evolution of those civilizations, and of the civilizations which followed them. We will read some of the oldest surviving texts of the ancient world, and we will follow the development of literature and global civilization down to roughly 1600 CE—the dawn of the modern world. As we read each text, we will consider how it sheds light on the character and thought of the particular culture that produced it, as well as on the transcultural themes that link together our shared humanity.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. Offered: Fall/Spring.

ENGL 20101 - Modern World Literature (3)

GE-Human Culture: Literature/Human Diversity What is modernity? What distinguishes it from the centuries upon centuries of premodernity that preceded it? And how do we remain sensitive to distinctions of national and cultural identity in the modern world's global civilization? We will seek answers to these questions through our reading of some of the most influential stories produced in cultures from around the globe since the beginnings of modernity in roughly 1600 CE down to the present day. As we read each text, we will consider how it sheds light on the character and thought of the particular culture that produced it, as well as on the transcultural themes that link together our shared humanity.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20103 - World Literature: Do We Need Another Hero? (3)

GE-Human Culture: Literature/Human Diversity In the soundtrack for the 1985 post-apocalyptic movie *Mad Max Beyond Thunderdome*, Tina Turner's hit song claimed that "we don't need another hero," because there has to be "something better out there." For centuries, different cultures around the world have told stories about heroic characters. Typical heroes go on quests, overcome obstacles, stand up to oppression, and even sacrifice themselves to save others. In this class, we will read and discuss plays, novels, poems, and stories from around the world to figure out what makes a hero and whether, as

Tina Turner claimed, we don't need heroes to find meaning and goodness in the world. We will pay particular attention to unconventional or unexpected heroes as we discuss and create our own definitions of heroism.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20104 - World Literature: Rebels and Robots, Technology and Freedom (3)

GE-Human Culture: Literature/Human Diversity You might have heard this before: the road to hell is paved but to get to heaven, you'll have to walk. In this course, you will read great literature from around the world about the pros and cons of modern progress. You will read enthusiasts who celebrate humanity's drive to explore the limits of our capabilities. You will also read pessimists who ask, "If we hand our freedom over to our gadgets or over to our governments, what will we have left?" The deepest questions of modern life show up in texts like Milton's *Paradise Lost*, Shelley's *Frankenstein*, and Roberto Bolaño's *By Night in Chile*. In its utopian visionaries and its nightmares out of Kafka, this course will introduce you to writers writing about all your possible futures.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20105 - World Literature: The Medieval World (3)

GE-Human Culture: Literature/Human Diversity The "Middle Ages"—the historical period spanning from the fall of the Roman Empire through the fifteenth century—easily captivates our imaginations. In this course, you will examine various aspects of the medieval world by exploring topics such as education, politics, religion, medicine, food and foodways, forms of travel, scientific and magical practices, literacy, memory, folk traditions, courtly traditions, and philosophical beliefs by reading representative texts from around the medieval world.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20106 - World Literature: Faith, War, Travel, Memory, Love (3)

GE-Human Culture: Literature/Human Diversity In this course we focus on five themes that appear commonly in human civilization and the literatures it produces across societies, times, and geographic regions: faith, war, journeying and traveling, memory and commemoration, and love. This course is designed specifically to offer you the opportunity to consider the differences between and also, and perhaps more importantly, the fundamental similarities among people of various races, ethnicities, and cultures around the world. This class is especially helpful to students interested in global, diverse, intercultural relations and contexts, and students who intend to go into international careers such as business, law, and teaching

will find it especially helpful in giving them a foundational understanding of how historical texts provide the foundation for modern cultural and socio-political realities.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20107 - World Literature: Heroes in Crisis (3)
GE-Human Culture: Literature/Human Diversity Have you ever asked yourself these questions: Why am I here? What is the meaning of my life? Do I really have any satisfactory choices? Why don't my parents, siblings, or friends understand and support me? Have I been the son, daughter, sibling, or spouse I should be? In this course, you will explore the crisis Prince Hamlet wrestles with as well as that of the affluent yet desperately unhappy Norwegian woman Hedda Gabler, examine why Kafka would create a doting son and brother who transforms into a huge bug, meet the both tragic and comic men and women stumbling head on into the cataclysmic 1917 Russian Revolution, and encounter American slave Frederick Douglass's success story of actualization and freedom against all odds. These experiences and more await you!

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20108 - World Literature: Text Messages from Beyond the Grave (3)
GE-Human Culture: Literature/Human Diversity Have you ever seen or heard a ghost? Have you ever wondered what those who have gone before us might have to say? If so, we've got you covered! Put away the electromagnetic field detectors, thermal imaging cameras, spirit boxes, and Ouija boards. You won't need a medium either. The dead have conveniently left their text messages behind for our consideration. Wouldn't you like to know what they have to say, before we join them in the great beyond? You'll hear from murdered King Hamlet's ghost, various persons impossibly returned from the dead in Voltaire's *Candide*, the Devil himself in Goethe's *Faust*, a man burning in Hell in Rimbaud's "Night of Hell," and what remains of Gregor Samsa's humanity after he's been "changed into a monstrous cockroach" in Kafka's *The Metamorphosis*. This course is not for the squeamish!

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20109 - World Literature: Madness, Magic, and Enlightenment (3)
GE-Human Culture: Literature/Human Diversity What does Zen philosophy have to do with Shakespeare's *Hamlet*? How do Japanese haiku poems relate to European classics? And what is the connection between a madman's diary from China and magic-filled stories from Latin American authors? In this literature course, you will explore the many ways philosophies, religious ideals, and cultural values from around the globe intersect and inform each other.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20500 - British Literature: Fact, Fiction, and Everything In-Between (3)
GE-Human Culture: Literature Dragons, fairies, demons, gods and goddesses, a talking Holy Cross, and zombies—these are some of the strange and marvelous things that you will encounter in this course, along with the usual kings, knights, and ladies. We will examine literature from the full range of the British Isles, including the Irish, Scottish, Welsh, and Anglo-Norman cultures, stretching from the Old English epic *Beowulf* through Thomas Grey's 1750 "Elegy Written in a Country Churchyard." One thing we will consider throughout the term is whether or not medieval people "believed" some of these stories; and what might have been viewed as "real," or "fiction," or something between the two.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 20900 - Writing for Game Design (3)
GE-Communication This course introduces you to the essential concepts of writing and developing treatments and structured narrative elements for games. We will focus on narrative and plot structure for linear and open-world game concepts, writing episodes, segments, and cut scenes for digital games, writing protagonists based on the archetypal figure of the Hero's Journey, writing memorable secondary characters, writing dialogue that advances character and storyline, writing to develop emotional connection between the gamer and the story/characters, and other aspects of story-building. By the end of the course, you will have developed a portfolio of writing samples that are directly related to your interests in game design more broadly, and that can be used to supplement your professional portfolio.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better; GAM 10000.

ENGL 21100 - Introduction to Creative Writing (3)
GE-Communication In this course, you will be introduced to creative writing by exploring writing in a variety of genres that may include prose (creative nonfiction, fiction), poetry, hybrid forms (flash fiction, prose poetry, and others), as well as playwriting or screenwriting. A workshop course, this class will also give you a context for sharing your creations with other students serious about writing and excited to join a community of writers.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 22200 - Writing about Reality (3)
GE-Communication Everyday people writing about everyday experiences – that's nonfiction. In this course, you will take those everyday experiences and create written pieces of nonfiction and its sub-genres. You'll

learn how to stay true to the reality of those experiences. You will read essays and other pieces of nonfiction as readers of literature and as creative writers.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23000 - Business Communications (3)

GE-Communication This course introduces concepts of workplace communication pertinent to the twenty-first-century global professional environment. Practice is provided in researching, designing, and composing common workplace documents and correspondence, in creating communications with a team, and in presenting communications orally and with the use of technology. Lab fee may be required.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23500 - American Literature: Slavery and War (3)

GE-Human Culture: Literature Slavery and war are intertwined sins in the origins of America—the place as well as the idea. In this course, you will learn about early Americans who struggled with the constant violence that they both created and resisted. You will read first-hand accounts of people who were enslaved and of people who were touched by the Revolutionary and Civil Wars. Ultimately, our purpose will be to understand the literature of the United States of the nineteenth century as a window on today.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23501 - American Literature: Breaking Free (3)

GE-Human Culture: Literature What does the old time song “Breaking Up is Hard to Do” have to do with Colonial through Antebellum American literature? Everything, if you consider how this young, only-200-plus-years-old country had to bust loose from European constraints in religion, government, art, and literature in order to create a land that could provide sanctuary for the fugitive freedom hunted down for destruction everywhere else in the world. American writing then becomes a conscious breaking away from British and European style and setting and voice in American Romantic poets, writers like Emerson and Thoreau, and Hawthorne’s tales of the psychological and spiritual damage of “that old time religion.”

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23502 - American Literature: Family and Dysfunction (3)

GE-Human Culture: Literature Have you ever wondered why reality television is so compelling for audiences and what its influences are? You will study the pioneers of realism, specifically Twain’s survivor of

parental abuse Huck Finn. With other diverse voices including Wharton, Hurston, Miller, Baldwin, Wilson, and Morrison, you will also encounter marriages and parent/child relationships strained by suffocating misogyny or material desire fueled by the American Dream unrealized for those characters battling racism, nativism, and classism. You will also enjoy the success of those who struggle against societal pressures and triumph in American settings that provide nurture. In short, you will see American families defining America because of—and in spite of—all that America provides or obstructs.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23503 - American Literature: Trauma and Modernity (3)

GE-Human Culture: Literature “History is precisely the way we are implicated in each other’s trauma” – this claim by a contemporary literary scholar is the central assumption of our course. As you read through American literature since the Civil War, you will experience how it struggles with feeling somehow different from everything that has come before (the issue of modernity) as well as how it focuses often on debilitating pain and suffering (the issue of trauma). Are we still modern? How do we deal with the trauma of others? Ultimately, your study of the literature of the United States of the twentieth century will help us understand who we are today.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23800 - Into the Promised Land: Race and Ethnicity in American Literature (3)

GE-Human Culture: Literature/Human Diversity Why have generations of immigrants referred to the United States as the Promised Land? What was promised? Who promised it? How have Americans’ racial and ethnic identities affected their access to the promises of America? We will look for answers to these questions by reading texts from a variety of ethnic perspectives as we examine the historical events that shaped them. We begin with an examination of slavery’s impact on American history and literature, move to immigration’s role in shaping ethnic literature, and end with an analysis of cultural diversity. Our classes will also include documentary films about race and ethnicity in America.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 23900 - Faulkner: Southern Belles and Racism (3)

GE-Human Culture: Literature If you want to better understand the world’s yesterday, today, and tomorrow, a study of American Southern writer Faulkner is a good place to start. His experimental and ground-breaking writing style and unwavering investigation of all that can be found in the human heart will challenge you and expand

your mind. Characters you'll meet include a thirteen-year-old white boy and his black slave companion, a Southern Belle coed kidnapped by a gangster, a rebellious high school girl living in a house with ghosts of the past, a mixed-race young man struggling with whether to identify as white or black, a family's reckoning with their mother's death in both comic and tragic ways, and a teenage boy who knows and must prove an elderly black man innocent of murder.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 24100 - Celtic Literature (3)

GE-Human Culture: Literature/Human Diversity In the modern world, "Celtic" has nearly become synonymous with shamrocks, St. Patrick's Day, leprechauns and fairies, knotwork designs on everything from blankets to journal covers to t-shirts, and of course, the color green. But where did the idea of "Celtic" originate, and were original "Celtic" things the same as they are today? This course is an introductory survey of the early literatures of Ireland, Wales, Brittany, and Scotland with emphasis on understanding the texts in terms of genre, narrative structure, literary elements, cultural and historical significance and context, and continuing influence on contemporary understandings of "Celtic" which is not at all the same as the historical reality! You will gain a broad introductory knowledge of the diverse cultures that produced these literatures, as well as enjoying some wonderful stories and poems.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 24200 - Viking Literature (3)

GE-Human Culture: Literature Who were the Vikings, what were they really like, and why do modern audiences still find them so endlessly fascinating? This course will introduce you to the early literatures of Scandinavia—Norway, Denmark, and Iceland, with occasional side-glances at Sweden and Finland. You will be reading in the major genres of these cultures—the eddas, or mythological texts; the sagas, which tell the histories and adventures of the people of Iceland or of the knights of popular imagination; and the various shorter poetic forms. You will gain a broad introductory knowledge of the diverse cultures that produced these "Viking" literatures, while enjoying some wonderful stories and poems and even trying your hand at writing in some of the most important poetic forms!

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25000 - Multiculturalism and Multilingualism (3)

GE-Social Science/Human Diversity Have you ever wondered why adults seem to have such a hard time learning a second language? Do you question why you

can't roll your r's after years of studying Spanish? Can someone be bilingual but not bicultural, or vice versa? This course answers these questions and many others, providing a comprehensive introduction to the phenomenon of using two or more languages in daily life. Our goal is to not only understand what it means to be bilingual/multilingual, but also to better understand and interact with our bilingual/multilingual friends, business associates, coworkers, students, and other non-monolinguals. We will use research from applied linguistics, cognitive psychology, sociolinguistics, and anthropology to examine the following key topics: defining and measuring bilingualism/multilingualism second language acquisition, language use and choice, bilingual/multilingual literacy, language identity, bilingual education, and cognitive and social effects of bilingualism/multilingualism.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. Offered: Fall. Cross-Listed as: SPA 25000.

ENGL 25300 - The Arthurian Legend (3)

GE-Human Culture: Literature In this course you will explore the legends of King Arthur and the Knights of the Round Table. Our course themes may include the Arthurian legend from a global perspective, examining how it appears in literatures from around the world, or it may focus specifically on the English, or European, traditions; it may focus specifically on the earliest Arthurian legends of the Middle Ages, or on modern representations of the Arthurian legend in literature and on television and film. As we read and discuss a variety of representations of the legend, you will consider major themes—chivalry, courtesy, honor, loyalty, treason, betrayal, friendship, adventure, quest, gender and masculinity, violence—and major characters, including King Arthur, Queen Guinevere, Sir Lancelot, and Sir Gawain, that have made these stories legendary and contribute to their continued popularity today.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25400 - Mythology and Folklore (3)

GE-Human Culture: Literature/Human Diversity This course explores mythological and folkloric motifs found in cultures from around the world. You will read texts and analyze their structure, format, nature, and cultural contexts.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25600 - Greek Myth, Epic, and Tragedy (3)

GE-Human Culture: Literature/Human Diversity This course is a study of works from classical Greek literature focusing on the changes in philosophical, political, and economic conditions that are reflected therein. Readings may include works by Homer, Aeschylus, Sophocles, and Euripides, as well as selections from Plato and Aristotle concerning poetry and its role in society.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25700 - Dystopian Literature: Problems with Perfection (3)

GE-Human Culture: Literature War, hunger, oppression—how can we fight these things? Humans have quite often thought they could build a perfect world, a world in which everyone would have enough, not too much, a world in which everyone would get along and respect each other's space, a world in which there would be no need for crime, class divisions, or even currency. These worlds, however, turn upside down in the face of human nature. In this class, we will explore the problems with a perfect world. Would we even want one?

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25800 - Detective Fiction (3)

GE-Human Culture: Literature Why are we so fascinated with detectives? From popular novels to television dramas and big-budget films, we love to follow in the footsteps of detectives, both real and fictional. When reading crime novels, you become the detective, puzzling your way through dropped clues and avoiding red herrings. In this course, you will begin with Edgar Allan Poe's Inspector Dupin before crossing the pond to spend time with London's Sherlock Holmes. Readings and film screenings will bring you up to the present and you will probe questions about crime, race, and the police today. Expect to encounter locked-room mysteries, unidentified bodies, hard-boiled detectives, and more than a few characters from Scotland Yard.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 25900 - Existentialism: Absurdity, Angst, and the Meaning of Life (3)

GE-Human Culture: Literature Have you ever woken up - late again - and while rushing to class or work wondered: What's the meaning of all this, anyway? Have you ever felt an almost crushing anxiety when faced with a life-altering choice? If so, you have already experienced existential doubt and angst. The literature in this course, including poetry, plays, short stories and novellas, raises questions about the meaning of life, faith and choice, freedom and responsibility, and the nature of the self.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 26000 - Gothic Literature: Monsters & Madness (3)

GE-Human Culture: Literature/Human Diversity The Gothic is one of the most dominant genres in global popular culture today. Uncountable novels, films, television shows, and video games adopt Gothic conventions—gloomy mansions, spectral figures,

terrifying monsters, nightmarish visions—to tell their stories. What is the reason for the immense appeal in the late twentieth and early twenty-first century of a genre that dwells upon grotesque and disturbing subject matter? How has the Gothic—a genre born out of the particular historical and social circumstances of western Europe—captured the imaginations of people from countries and cultures all around the world? Why does modern human society seem to need Gothic stories? In this course, we will seek answers to these questions through the study and contextualization of twentieth- and twenty-first-century Gothic texts from around the world.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 27500 - Gender: Body, Mind, and Power (3)

GE-Human Culture: Literature/Human Diversity How much of who we are as women, men, boys, and girls is influenced by our biology, our chromosomes? How much are the roles we perform as sons, daughters, wives and husbands dictated by social expectations and norms? And where do free will, choice, and our own thoughts and feelings come into play when we think about gender? Through the literature introduced in this course, you will explore the intersection of gender, race, class, and sexual orientation. You will investigate how cultural dynamics and power structures attempt to control and restrict gender expressions, and how various characters throughout these works respond: by submitting, by loving, by resisting.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 28000-28099 - Topics in Literature (3)

In these topics courses, you will explore literature related to a specific author, genre, subject, theme, perspective, or problem. As topics vary, you may take multiple courses in this series. Individual courses in this range may meet certain General Education requirements.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 28200-28299 - Topics in English (3)

In these topics courses, you will explore a particular subject, theme, perspective, or problem related to composition, rhetoric, and language. As topics vary, you may take multiple courses in this series. Individual courses in this range may meet certain General Education requirements.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

ENGL 30100 - Methods of Literary Study (3)

What does it mean to study literature critically? How can the critical study of literature help us to grow as readers, writers, and human beings? This course introduces you to the critical practices that form the foundation for the study and craft of literature. Together, we will read scholarly

criticism and learn about the various theoretical perspectives through which literary scholars and writers often view and discuss literature. You will read literary texts and produce your own short creative writing pieces, analyzing both through the theoretical perspectives you have learned in the course to increase the sophistication of your reading and writing practices.

Prerequisite: ENGL 17000 with a C or better. May be taken concurrently with ENGL 17000 with permission of the department head. Offered: Fall.

ENGL 30700 - The Teaching of Writing (3)

Learning about the act of writing—not just how to write well, but also about the process we use to do so—is important whether you will become a writer, a teacher, an academic, or any variety of other profession. Study of the writing process helps us to become better writers, and also helps us develop effective teaching strategies for English composition. In this course, we will be reading and discussing a wide variety of research on the theory and practice of writing as it has evolved as a scholarly discipline in English in the past few decades. You will get a chance to see examples of effective teaching methods for helping students write more effectively, and you will be designing your own lessons and assignments to apply your understanding.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

ENGL 30900 - The Novel (3)

GE-Human Culture: Literature Novels may be the most popular—and are certainly the most prestigious—form of literary writing today. It may come as a surprise to learn, then, that a few hundred years ago, the novel was perceived as a rather disreputable literary form produced primarily by hack writers, people of questionable moral integrity, and—shockingly—women. Moreover, for all their popularity and outsized cultural presence, trying to define what exactly a novel is turns out to be surprisingly difficult. In this course, we will read influential novels from the historical periods of its rise and development—novels that have given definition to this rather indefinable of literary forms, and which have raised its literary reputability (if not necessarily its moral reputability).

Prerequisite: ENGL 17000 with a C or better.

ENGL 31100 - Advanced Creative Writing (3)

In this course, you will build on the experience and skills gained from ENGL 21100 Introduction to Creative Writing, professionalizing your skills in the composition of a variety of genres that may include prose writing (creative nonfiction, fiction), poetry, hybrid forms (flash fiction, prose poetry, and others), as well as playwriting or screenwriting. The course will be workshop-oriented, with the focus on in-depth attention to pieces submitted to the workshop.

Prerequisite: ENGL 21100. Offered: Spring

ENGL 31200 - Technical Writing (3)

GE-Communication Do you like explaining concepts, especially challenging ones, in writing? Do you want to learn how to describe something complicated in a simple, easy-to-understand way? Do you like to design documents, such as posters, flyers, or websites, and want to learn how to make your designs look better to an audience? If so, technical writing is for you. In this class, you will use the writing skills you learned in Composition I and II and apply them to workplace writing situations, where conciseness and attention to detail are paramount. We will design documents to be effective for a reader, explain difficult concepts so that a non-expert audience can understand, and write and format reports, proposals, and other genres that technical writers use.

Prerequisite: ENGL 17000 with a C or better.

ENGL 31500 - Arrow Rock Literary Journal (3)

What does it take to publish a literary journal? You will learn all aspects of producing an online literary journal. You will design, choose, edit, advertise, and publish. You will use Wordpress to share your journal, and earn credit as an editorial assistant. You will also research and present a literary journal to the class. In addition, you will be required to submit your own original work to an approved publication by the end of the semester. May be repeated for credit.

Prerequisite: ENGL 21100. Offered: Spring.

ENGL 33200 - Chaucer (3)

GE-Human Culture: Literature Remember that naked man trudging down the road in the film, “A Knight’s Tale?” Geoffrey Chaucer is widely considered to be England’s first “name brand” poet, writing in a variety of genres including dream visions, lyrics, fabliaux, romances, beast fables, hagiography, and translations. We will read a great variety of his writings and explore themes such as gender, violence, and magic. Sometimes we will dig deeply into a single text and other times we will take a comparative approach, all while immersing ourselves in the diversity and complexity of Chaucer’s world. You will leave this course with confidence in your ability to read and pronounce Middle English and a greater understanding of and appreciation for the diversity and cosmopolitan nature of Chaucer’s life and work specifically, and the literature and culture of medieval England more generally.

Prerequisite: ENGL 17000 with a C or better.

ENGL 33300 - Shakespeare (3)

GE-Human Culture: Literature Why are Shakespeare’s plays still popular, still produced, still taught in classrooms around the world? Writers fall in and out of fashion all the time, how is it that Shakespeare remains a literary celebrity? We will try to answer these questions by reading representative selections of Shakespeare’s comedies, histories, tragedies, and romances. This class will introduce you to many characters; you may experience the

magical mischief of Puck, the despair of Lear, the jealousy of Othello, the ambition of Henry V, the moral horror that is Richard III—or perhaps, the tears of Ophelia, the tricks of Prospero, the longing of Romeo. You will be offered the opportunity to engage in creative writing as well as research writing, but best of all, you'll experience the works of the Bard.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

ENGL 33800 - Medieval Literature (3)

GE-Human Culture: Literature Historically, the medieval period spans from the Fall of the Roman Empire to approximately the year 1500—that's over a thousand years of human societies around the world, creating and leaving behind artifacts for us to discover and learn from! In this course you will explore this period in many ways, such as surveying specific medieval literatures, focusing on a set of authors, theme, or literary genre, or by approaching medieval literature through a theoretical lens like race and gender. This course will challenge you to read medieval texts in their socio-historical and political contexts, with attention to what they can reveal to us about the civilizations that produced them, and also, what they can reveal to us about ourselves in our own time.

Prerequisite: ENGL 17000 with a C or better.

ENGL 33900 - Early Modern Literature (3)

GE-Human Culture: Literature The Early Modern period spans from the end of the Middle Ages through the 17th century, and many people call it “the Renaissance.” We often think that the Renaissance only occurred in Italy, but we'll find that it's better to think of a series of “renaissances” throughout Europe. There are many different cultural, ethnic, and regional literatures to explore, a variety of themes, genres, and critical lenses, and—of course—no end of authors for us to investigate. This course will challenge you to read these texts in their socio-historical and political contexts, with attention to what they can reveal to us about the civilizations that produced them, and also, what they can reveal to us about ourselves in our own time.

Prerequisite: ENGL 17000 with a C or better.

ENGL 34000 - Stranger than Fiction – Writing Advanced Nonfiction (3)

We all have stories that happened in real life that many would not believe. We all have causes that we want to move to the spotlight. In this course, you will take those personal experiences and beliefs and learn how to craft them into works of nonfiction. You will learn how to incorporate research into your own stories and still keep them truthful. You will have polished pieces that will be publication ready.

Prerequisite: ENGL 17000 with a C or better.

ENGL 34101 - London in the Eighteenth Century (3)

GE-Human Culture: Literature Over the course of the eighteenth century, London rose to become the important global metropolis that it remains today. In this course, we will examine how London rose to such prominence so swiftly. We will read the varied and vibrant literature produced in this century, including novels (developed and popularized during this period), plays (including the racy “Cavalier” drama), and poems (from serious meditations on England's troubles to satirical attacks on its foibles). These great works of literature can teach us about the historical processes—political revolutions and dynastic struggles; imperial expansion, civil war, and unification; Enlightenment ideology and religious conflict; and urbanization and capitalist economics—that built London into the city that continues to hold great power around the globe and in our imaginations.

Prerequisite: ENGL 17000 with a C or better.

ENGL 34200 - Politics, Passion, Poetry and Problems: The Romantic Movement (3)

GE-Human Culture: Literature Ah, the French Revolution! The independence of America! The hope and promise of a new era! Do these sound like exciting times to you? The beginning of the nineteenth century held great promise, but it was scary too. The old ways and systems had failed, but with what could they be replaced? Was there a way to make a perfect world by focusing on the individual? Through studying the writings of the Romantic era, we'll attempt to determine if passion is promising or problematic.

Prerequisite: ENGL 17000 with a C or better.

ENGL 34300 - Victorians: Vile or Virtuous? (3)

GE-Human Culture: Literature What do you think of when you think of nineteenth-century literature? Perhaps Jack the Ripper comes to mind, or perhaps you think of rich people sipping tea as they extend their pinkies. The Victorian era (1835-1910) was one of contradictions and questions. In this course, we will explore these contradictions through reading prose, poetry, and fiction, and we will decide together if the Victorians were VILE or VIRTUOUS (or maybe both).

Prerequisite: ENGL 17000 with a C or better.

ENGL 34400 - LatinX Literature (3)

GE-Human Culture: Literature/Human Diversity This course introduces students to literature of the LatinX communities in the United States. The literature will serve as a focal point for discussing the differing values, problems, and assertions of the Latin American culture in contrast with the more dominant American culture.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring. Cross-Listed as: SPA 34400.

ENGL 34700-34799 - Topics in American Literature (3)

GE-Human Culture: Literature In these topics courses, you will perform a concentrated study and analysis of American literature related to a specific author, genre, subject, theme, perspective, or problem. As topics vary, you may take multiple courses in this series.

Prerequisite: ENGL 17000 with a C or better.

ENGL 35200 - Early American Literature (3)

GE-Human Culture: Literature “What, then, is the American, this new man?” That question, posed by an immigrant to the United States on the cusp of independence following the American Revolution, animates the literature of this course, in which you will encounter novels, poetry, and drama written by Puritans, colonists, philosophers, and slaves during the first half of the nineteenth century. Along the way, this course will ask you how these texts have contributed to our sense of America today.

Prerequisite: ENGL 17000 with a C better.

ENGL 35300 - Twentieth-Century American Literature (3)

GE-Human Culture: Literature “This is America, you live in it, you let it happen. Let it unfurl,” declared the novelist Thomas Pynchon in the 1960s. This study of recent American literature will cover the unfurling of our culture from the end of the nineteenth century through Modernism, Postmodernism, and the literature of today. A major theme of this class will be American identities: how do race, class, and gender shape writers’ perspectives? Can you talk about a monolithic American literature when there are so many versions of America described in these texts? You will read major novels, poetry, and drama in their entirety.

Prerequisite: ENGL 17000 with a C or better.

ENGL 35400 - Finding Home: Space, Place, and Identity in American Literature (3)

GE-Human Culture: Literature Where did you learn who you are? Are you the same person at school, at home, or at a party with friends? How does where you are change who you are? In this course, we will look at the relationship between space and identity to see how characters in American novels define themselves (and are defined by others) according to the spaces where they live, work, and play. As we examine literary characters’ attachments to particular spaces, we will figure out how they find and define where they belong. We will also explore different historical moments when gender, race, class, or ethnicity determined who belonged in the space we have come to call “America.”

Prerequisite: ENGL 17000 with a C or better.

ENGL 35700-35799 - Topics in British Literature (3)

GE-Human Culture: Literature In these topics courses, you will perform a concentrated study and analysis of

British literature related to a specific author, genre, subject, theme, perspective, or problem. As topics vary, you may take multiple courses in this series.

Prerequisite: ENGL 17000 with a C or better.

ENGL 35800 - Getting Published – Tips for Writers (3)

You’ve written poems, short stories, novellas, blog posts, and other forms of writing. Now what? Get published! In this course, you will learn strategies for promoting your work in the media that fits it best. You’ll learn about when you need an agent and how contracts work. Through collaboration and presentations, you’ll share with your publishing peers the opportunities that are available to take that pile of writing and start submitting.

Prerequisite: ENGL 21100 or ENGL 22200.

ENGL 36200 - Translation and Literature (3)

GE-Human Culture: Literature/Human Diversity Phrases like speaking in tongues, broken tongues, or mother tongues refer to the languages we speak as we navigate our daily lives. We all “speak in tongues,” even if we only have one “mother tongue,” because we communicate in different ways with our family, our friends, or our professors, even if some people decide that one of the languages we speak is a “broken tongue.” Taking as a starting point the fact that no one is truly monolingual and no language is broken, we will read novels from around the world as we approach translation as both an art and a craft and learn why it requires as much preparation in creative writing as it does cultural expertise, historical knowledge, political insights, and linguistic proficiencies.

Prerequisite: ENGL 17000 with a C or better.

ENGL 36700 - World-Building (3)

This course is for anyone who ever wanted to keep living in a movie after it was over or keep breathing the weird air of a novel after turning the last page. This course will focus on the most purely imaginative side of creative work: building worlds from scratch. Physical, social, economic, spiritual, and linguistic aspects of made-up realities will be explored as you sketch out new worlds as foundations for future creative projects. Creative writing will take center-stage, but visual artists, game programmers, musicians, and any creatively inclined students are welcome.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

ENGL 37100 - Reading and Writing of the Young Adult Novel (3)

GE-Communication/Human Diversity What are today’s young adults reading and why? In this course, you will explore the trends in young adult literature. Through a diverse perspective, you will look at all aspects of what makes YA lit so popular: characters, plots, settings, and the messages. You’ll examine your own reading choices as well as the reading you did for your high school and

middle school requirements. You'll even try your hand at creating your own YA characters.

Prerequisite: ENGL 17000 with a C or better.

ENGL 37200 - Grammar and Writing (3)

If you are a native speaker of English, you have already internalized the rules of grammar—in fact, we know more grammar rules than any textbook could ever tell us. However, we don't always have conscious knowledge of theories of English language; we know something looks right or wrong, but we can't explain why. This course is meant to help us learn the "why," to formally study (and challenge) the rules of English language constructions, using a rhetorical approach. In this class, you will learn the rules of Standard English grammar and modern linguistic theories, and apply their use in pedagogical and rhetorical situations. Grammar is more useful if we apply it to writing situations, so you will get practice in not only learning the rules but especially being able to apply those rules to your writing.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

ENGL 37600 - African American Literature (3)

GE-Human Culture: Literature/Human Diversity This course will introduce you to pre- and post-emancipation literature written by African Americans in the United States. You will read autobiographies, poems, and novels written from the perspectives of freed slaves, expats in Paris, civil rights leaders, and contemporary bestsellers. This literature will ask you to consider how African American writing challenges dominant American ideas about culture, values, and history.

Prerequisite: ENGL 17000 with a C or better.

ENGL 38000-38099 - Topics in Literature (3)

In these topics courses, you will perform a concentrated study and analysis of literature related to a specific author, genre, subject, theme, perspective, or problem. As topics vary, you may take multiple courses in this series.

Prerequisite: ENGL 17000 with a C or better.

ENGL 38200-38299 - Topics in English (3)

In these topics courses, you will explore formal, linguistic, and/or interdisciplinary approaches to the study of English. As topics vary, you may take multiple courses in this series. Individual courses in this range may meet certain General Education requirements.

Prerequisite: ENGL 17000 with a C or better.

ENGL 40400 - History of the English Language (3)

The English language that we speak today bears little resemblance to Old English, and almost no resemblance to its Germanic and proto-Indo-European predecessors. How did the language change so much? In this course, you will learn about external and internal influences that have impacted the language in each of its major historical

periods, identify the linguistic changes and variances recorded within the literary texts that were produced in each of those periods, consider the language's regional variations, and examine the relationship of language to gender, race and ethnicity, and social class. Taking this class will change forever how you understand the role of English in the world.

Prerequisite: One literature course at the 20000-level or above. Offered: Spring.

ENGL 41000 - Internship in English (1-6)

This independent study will provide you with opportunities to apply writing and communication skills in a practical, hands-on environment. You can also network and gain professional connections to give you an advantage on the job market. May be repeated for a maximum of 9 credit hours.

Prerequisite: ENGL 17000 with a C or better.

ENGL 45400 - Senior Capstone in English (3)

This senior capstone course is an opportunity for you to review, reflect on, and gain further insight into the skills and knowledge that are the hallmarks of a well-trained English major, while also engaging in a sustained research project of interest to you, and preparing for life beyond the university classroom. Along the way, you will complete four modules: an intellectual autobiography, an internship research and job materials development unit, the revision, expansion, and manipulation for various purposes of a paper completed for an earlier class, and an original, term-long written project. When you have completed this course, you will be prepared to use your degree to its greatest potential "in the real world."

Prerequisite: ENGL 30000-level three-credit-hour course.

ENTR - Entrepreneurial Studies

ENTR 31200-31299 - Directed Studies in Entrepreneurial Studies (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

ENTR 37505 - Innovation (3)

This course introduces students to the innovative entrepreneurial thinking process through eight fundamental concepts of, choice, opportunity, action, knowledge, wealth, brand, community, and persistence. With these concepts, the course allows students the opportunity to learn through experiential learning methods, using an array of entrepreneurial thinking processes and approaches for identifying problems, finding solutions, and making

connections beyond the classroom, helping them to think like an entrepreneur. The course will enable students to learn directly from the firsthand knowledge and experience drawn from a wide variety of successful, “unlikely” entrepreneurs—ordinary people who transformed a simple idea into a sustainable success. The course will empower students to take ownership of their future while helping students to develop the attitudes, skills, and behaviors that will enable them to succeed not only as an entrepreneur, but in life.

Prerequisite: ENGL 17000.

ENTR 37510 - Small Business and Entrepreneurship (3)

This course is designed for students who are interested in owning and running a small business. Topics to be covered include planning, controlling, financing, and managing operations. Students will learn how to explore opportunities and develop venture ideas; set objectives, choose resources, and evaluate market research; and investigate financing resources and approaches. Teaching approaches will include outside speakers, outside readings, class discussions, and research papers. Lab fee may be required.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

ENTR 37520 - Real Estate Principles (3)

This course is designed to introduce students to the basic concepts and principles of real estate. The key concepts of property selection, purchasing, management will form the core of this curriculum. Students will be introduced to the legal, financial and management concepts that must be considered when entering the real estate business. The range of topics will vary from considerations for flipping a house to managing apartments and other commercial real estate businesses.

Prerequisite: ENGL 17000 and FIN 32000 both with a C or better.

ENTR 39000-39999 - Special Topics in Entrepreneurial Studies (3)

ENTR 41200-41299 - Directed Studies in Entrepreneurial Studies (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

ENTR 47510 - Financing Business Ventures (3)

Financing Business Ventures is an advanced course designed to apply the theoretical principles of finance to new or emerging businesses. Topics to be covered include

capital raising, cash flow management, business planning, and value realization. Lectures and case studies will focus on financing methods, working capital management, expansion, and exit strategies in order to develop decision making skills. Guest speakers will illustrate real-world situations. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; ENTR 37510. Offered: Fall.

ENTR 47515 - Case Studies in Entrepreneurship (3)

This course will engage students in critical thinking and decision-making about entrepreneurial enterprises in the context of case studies and/or entrepreneurial simulations. The purpose of the course is to refine and develop skills required for entrepreneurs to start new businesses. Through analysis of entrepreneurial success and failures, students will examine the challenges encountered when starting a new business. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; ENTR 37510. Offered: Spring.

ENTR 47520 - New Venture Initiation (3)

This course is designed for students who are interested in starting a new business. Particular emphasis will be given to developing an understanding of the mechanics of starting a new business; providing insight into the process for identifying business opportunities; understanding the importance of effective marketing, funding, and employee management; and the analysis of strengths and weaknesses of the entrepreneur. The class will conclude with the presentation of a business plan, written during the course of the semester. Lab fee may be required.

Prerequisite: ENGL 17000; ENTR 47510 with a C or better. Offered: Spring.

ENTR 47595 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

ENTR 49000-49999 - Special Topics in Entrepreneurial Studies (1-3)

ENV - Environmental Science

ENV 45000 - Environmental Internship (3-9)

During their junior and senior years at Lindenwood, qualified students may participate in internship experiences in environmental science. Students are responsible for making arrangements with the internship sponsor, but the course instructor must approve the sponsor and the planned activities before the internship work begins. Internship sponsors may be government agencies, for-profit corporations, or non-profit corporations or agencies. Student interns may be paid for their work, but more often they are not. Student interns are required to spend at least 40 hours working on tasks assigned by the Internship Sponsor for every semester credit hour for which they are enrolled. Completion of the internship requires submission of a report or research paper as specified by the instructor.

Prerequisite: Junior standing and permission of dean.

EPP - English Preparedness Program

EPP 10100 - Advanced English Grammar for Multilingual Students (3)

This course provides you with an intensive review of advanced English grammar structures with emphasis on application of rules through academic reading and writing assignments. You will take this course concurrently with EPP 11000.

Prerequisite: Placement and multilingual speaker. Offered: Fall/Spring.

EPP 10500 - Reading and Writing for Multilingual Students (6)

This course will give multilingual students the opportunity to develop English language skills needed to succeed in college courses. Assignments will focus on increasing English proficiency with emphasis placed on developing reading and writing skills. Additional hours with an English conversation partner and/or writing mentor may be required. A grade of C is required for advancing from this course. You will take this course concurrently with EPP 12000 or EPP 12500.

Prerequisite: Placement and multilingual speaker. Offered: Fall/Spring.

EPP 10600 - Reading and Writing for Multilingual Students II (6)

This course gives you the opportunity to further develop your reading and writing skills as a multilingual individual who requires further English preparation before EPP 11000. Instruction in this course will focus on preparing you for academic courses through assignments aimed at developing your reading strategies and writing techniques. Additional hours with an EPP writing mentor may be required. A grade of C is required for advancing from this course. You will take this course concurrently with EPP 12000 or EPP 12500.

Prerequisite: EPP 10500 with a C or better; placement and multilingual speaker. Offered: Fall/Spring.

EPP 11000 - Academic Writing for Multilingual Students (3)

This course is designed for multilingual English speakers who are not yet prepared to enter ENGL 15000 Composition I or EPP 15000 Composition I for Multilingual and International Students. This course will focus on developing clear and comprehensible prose in academic writing assignments. A grade of C is required for advancing from this course. If the student fails to achieve a C, the student will have to retake the course the next semester.

Prerequisite: EPP 10500 or EPP 10600 with a C or better; placement and multilingual speaker. Offered: Fall/Spring.

EPP 12000 - Spoken Communication and Pronunciation for Multilingual Students (3)

This course will provide you with opportunities to improve your comprehensibility in communicating in English. You will practice stress, rhythm, intonation patterns, and troublesome consonant and vowel sounds through various means, including class presentations, discussions, and regular conversation partner meetings. You will take this course concurrently with EPP 10500 or EPP 10600.

Prerequisite: Placement and multilingual speaker. Offered: Fall/Spring.

EPP 12500 - Speaking and Listening for Multilingual Students (3)

This course will provide you with opportunities to improve your comprehensibility in English and strengthen your academic speaking and listening skills. You will practice phonetic patterns and troublesome consonant and vowel sounds through various means, including class presentations, discussions, regular conversation partner meetings, and additional assignments. You will also focus on developing note-taking skills and strategies to improve professional communication. You will take this course concurrently with EPP 10500 or EPP 10600.

Prerequisite: Placement and multilingual speaker. Offered: Fall/Spring.

EPP 15000 - Composition I for Multilingual and International Students (3)

GE-Communication This course follows the same general guidelines as other sections of Composition I, using the same types of texts and requiring the same amount of academic writing. However, the class is designed with attention to the needs and experiences of multilingual and international students. This course fulfills the ENGL 15000 Composition I GE requirement and is equivalent to ENGL 15000. Students receiving a C or better in this course are eligible to take ENGL 17000.

Prerequisite: EPP 11000 with a C or better; placement and multilingual speaker. Offered: Fall/Spring.

ESC - Earth Sciences

ESC 10000 - Physical Geology with Lab (4)

GE-Natural Science with Lab This course focuses on the study of the earth to include its component materials, the physical and chemical changes that take place internally and superficially, and the historical background of the science. The lab involves identification of minerals and rocks, the determination of various surficial processes and how they are reflected by topographical maps. A field trip is included as a lab exercise.

Offered: Fall/Spring.

ESC 10500 - Survey of Geology (3)

GE-Natural Science This is a lecture course that focuses on the study of the earth to include the materials it is made of, the physical and chemical changes that take place both internally and superficially, and the historical background.

ESC 11000 - Introductory Meteorology (3)

GE-Natural Science This course acquaints the student with the physical and thermal dynamics of the lower atmosphere. It deals with the role the sun plays as the source of energy for all phenomena. Topics include thermal energy; atmospheric temperature, humidity, pressure, and wind; cloud formation; frontal systems; severe weather phenomena and air pollution.

Offered: Fall/Spring.

ESC 11100 - Meteorology Lab (1)

GE-Natural Science Lab This lab course is designed to complement Introductory Meteorology. Students will decode raw data, plot maps, analyze the data, and make forecasts. Time permitting; a field trip will be included to the local National Weather Service Station.

Corequisite: Must be taken concurrently with ESC 11000.

ESC 11200 - Fundamentals of Environmental Science (4)

GE-Natural Science with Lab This course will introduce students to the basic application of system approaches to science and policy with respect to air, soil, and water environments; land use; energy supplies; and other resources using biological, ecological, physical, and chemical principles.

Offered: Fall/Spring.

ESC 12000 - Oceanography (3)

GE-Natural Science This course explores the various physical oceanographic concepts to include waves, tides, currents, shoreline interaction, ocean basin structure, ocean sediments, physical and thermal properties of salt water, and atmospheric and oceanic interaction. A portion of the course covers marine ecology.

ESC 13000 - Introductory Astronomy (3)

GE-Natural Science In survey fashion, this course addresses the historical background of astronomy, types of telescopes, identification of stellar characteristics, formation of our solar system, characteristics of the planets, space debris, and the birth and death of stars, galaxies, and the universe.

Offered: Fall/Spring.

ESC 13100 - Astronomy Lab (1)

GE-Natural Science Lab This optional lab explores celestial mechanics, calculating distances to stars, measuring the brightness and color spectra of stars, the classification of galaxies, and the formation of the Universe. Concurrent enrollment in ESC 13000 or permission of dean required.

ESC 13200 - Introductory Astronomy with Lab (4)

GE-Natural Science with Lab This is a survey course that addresses the historical background of astronomy; measuring methods for celestial objects; the electromagnetic spectrum and spectroscopy of celestial objects; telescopes; formation and scale of the solar system; characteristics of planets, moons, and space debris; birth and death of stars; galaxies, dark matter, and dark energy; and the formation of the universe. Weekly laboratory activities reinforce classroom concepts.

Offered: Fall/Spring.

ESC 26300 - Environmental Policy (3)

This course is an introduction to the development of environmental policy in the US and the role of international law. Included is an examination of development and implementation of environmental regulations, conservation and municipal management and environmental impacts of regulation.

Prerequisite: BSC 10000 or higher or CHM 10000 or higher. Cross-Listed as: BSC 26300.

ESC 32000 - Hydrology (3)

This course is the study of the occurrence, circulation and distribution of surface water. It looks at the different components of the hydrologic cycle, their interactions, and how geomorphological and geological features modify water behavior.

Prerequisite: ESC 10000; MTH 17300; MTH 24100.

ESC 33000 - Fundamentals of Soil Science (4)

This course will serve as an introduction to the chemical, physical, and biological properties of soils; the origins, classification, and distribution of soils; the influence of soils on people and food production; the management and conservation of soils; and the environmental impact of soil use.

Prerequisite: CHM 24100; ESC 10000.

ESC 34000 - Environmental Sampling and Data Management (3)

This course will serve as an introduction to proper environmental sampling design and sampling techniques, when necessary to characterize nature and extent of contamination at a hazardous waste site, or other types of environmental research. The course will also instruct students on methods of summarizing, managing, and interpreting field and analytical data.

Prerequisite: CHM 23100, CHM 24100, and ESC 10000 with a C or better; ESC 32000, ESC 33000, or ESC 40000. Offered: Fall.

ESC 35000 - Hazardous Waste Management (3)

This course is intended to acquaint students with the major aspects of the management of hazardous chemicals, industrial materials, and hazardous wastes including: pertinent regulations, materials handling, waste minimization techniques; recycling/reuse; and treatment and disposal.

Prerequisite: CHM 23100; CHM 24100 with a C or better. Offered: Spring.

ESC 39000-39999 - Special Topics in Environmental Science (1-9)**ESC 40000 - Hydrogeology (3)**

This course is the study of the principles of water flow through a porous media. The course looks at water occurrence and storage in rocks below the ground, its circulation and distribution, and its interaction with the environment.

Prerequisite: ESC 10000; ESC 32000; ESC 33000; MTH 17300.

ESC 41000 - Environmental Fate of Contaminants (3)

This course will provide an overview of chemical contaminant sources, their transport through soil and water, their potential for volatilization into air, and their environmental fate, behavior, and impact to human and ecosystem receptors. This course will also include a survey of potential remedies for chemically contaminated environmental media.

Prerequisite: CHM 24200; ESC 33000.

ESC 42000 - Environmental Toxicology and Risk Assessment (3)

Risk assessment is a critically important tool for environmental analysis. By taking this course, students will have a technically-oriented introduction to all components of the risk assessment process that will enable them to perform introductory-level environmental risk assessments. Students will learn to relate risk assessment methodologies, procedures, and results to chemically-contaminated site clean-up decisions and to support environmental health policies.

Prerequisite: ESC 41000 with a C or better. Offered: Spring.

ESOL - Teaching English to Speakers of Other Languages**ESOL 44000 - TESOL Methods (3)**

This course surveys current theory and practice in planning, implementing and monitoring instruction of linguistically and culturally diverse students in a variety of English language teaching contexts.

Prerequisite: ENGL 17000 with a C or better; junior standing.

Cross Listed as TESOL 54000.

EXS - Exercise Science**EXS 23000 - Assessment of Nutritional Status (3)**

This course reviews the principles of nutrition assessment for individuals and groups. Evaluation methods for nutrient intakes and diets, anthropometric assessment, analysis of food composition databases and identification of variability and reproducibility of studies will be covered.

Offered: Fall.

EXS 24000 - Nutrition Throughout the Lifecycle (3)

GE-Natural Science This course will provide students with an understanding of the influence of physiological, psychosocial and environmental changes on nutrient needs throughout the lifecycle. Students will identify appropriate screening tools for evaluating the nutritional status of individuals from birth through death.

EXS 25000 - Foundations of Sport and Exercise Science (3)

This course is an introduction to the foundational information in the field of Exercise Science. Course topics and activities will include exploration of the general concepts, goals, professional organizations and certifications, sub-disciplines, and career employment opportunities.

EXS 26000 - Concepts in Conditioning (3)

This course is a study of the physiological components of exercise and their application when working with athletes, individuals, or small/large groups. Students will understand the purpose of selecting safe and effective techniques for aerobic and anaerobic conditioning, contraindications to exercise, and evaluation methods used by professionals when working with these populations.

EXS 26500 - Basic ECG Dysrhythmia Interpretation (2)

This eight-week course is designed to enable the participant to develop beginning skills in ECG monitoring as well as in recognition and management of cardiac dysrhythmias.

EXS 27500 - Research Methods and Data Interpretation (3)

This course provides instruction on scientific methods in Exercise Science including basic research design and statistical techniques commonly used in Exercise Science. Students will also be exposed to practical experiences in understanding published research, ethical concerns related to research, designing and completing a research project and developing their scientific writing skills.

Offered: Fall/Spring.

EXS 29000-29999 - Special Topics (1-3)

This course is designed for interest in specific subjects related to exercise science.

Prerequisite: Permission of dean. Offered: Fall/Spring.

EXS 30000 - Sport and Fitness Administration (3)

This course is designed for fitness directors and leaders in the field of sport and fitness. Topics covered are communication, time management, organizational skills, development of leaders in the fitness industry, implementation of safety procedures, equipment specifications, facility design and business and marketing techniques appropriate to the delivery of new fitness programs.

Prerequisite: EXS 25000 or HFS 21500.

EXS 30500 - Medical Nutrition Therapy (3)

This course introduces the student to the nutrition care process for assessment, diagnosis, intervention and monitoring/evaluation (ADIME) for individuals of varying disease states. The nutrition recommendations for weight management, digestive disorders, food allergies and intolerances, diabetes, cardiovascular disease, hypertension and cancer will be covered in detail.

Prerequisite: BSC 12100 or EXS 24000. Offered: Spring.

EXS 31200 - Nutrition and Metabolism (3)

This course is an introduction to the biochemical processes that drive nutritional and dietary recommendations, including the metabolism of micronutrients and macronutrients, the digestive process, enzymatic reactions, hormonal regulation and the neuroscience of food intake.

Prerequisite: BSC 12100 or EXS 24000. Offered: Fall.

EXS 31500 - Physiology of Exercise (3)

This course studies the human body's response and adaptation to physical activity. Specific attention will be directed at the musculoskeletal, nervous, cardiovascular,

respiratory, and endocrine systems. Both acute responses and chronic adaptations to exercise within each system will be discussed. Students will develop an understanding of methods used to examine and measure physical fitness/sports performance and understand terminology to effectively communicate this information to others. Students will explore the importance of physical activity and exercise in a healthy lifestyle and examine how science disciplines can be used to improve overall health, as well as performance in sports.

Prerequisite: BSC 22800 or HFS 20700. Corequisite: EXS 31600. Offered: Fall/Spring.

EXS 31600 - Physiology of Exercise Lab (1)

This course is designed to introduce students to the field of exercise science with resources necessary for the application of material discussed during lecture. An overview includes topics on acute and chronic physiological responses to exercise, nutrition, biomechanics, and other concepts in wellness, physical fitness, and performance enhancement. Specifically, the laboratory experiments will focus on the following: circulatory and respiratory responses to exercise, respiratory metabolic measurements, identification of the lactate and ventilatory thresholds, assessment of maximal oxygen uptake, energy cost of physical activity, assessment of perceived exertion, and assessment of body composition. Concurrent enrollment in EXS 31500.

Corequisite: EXS 31500. Offered: Fall/Spring.

EXS 31700 - Advanced Exercise Physiology (3)

An advanced study of human physiology and its interactions with physical activity and training. Emphasis will be placed on the study of the mechanisms underlying the acute and chronic responses to stress.

Prerequisite: EXS 31500; EXS 31600. Offered: Fall/Spring.

EXS 31800 - Strategies for Effective Coaching (3)

In this course, students will establish a foundational coaching philosophy, develop communication and motivation strategies, refine teaching skills, and explore approaches in managing relationships as a coach. Students will be eligible to earn the American Sport Education Program (ASEP) coaching certificate upon completion of class. This course is not open to student with credit in PE 31800 (Coaching with Character).

Prerequisite: HFS 21500; PE 15000. Offered: Spring.

EXS 32000 - Nutrition Education and Counseling (3)

This course covers the principles and practices of nutrition education of groups, including aspects of public speaking and lesson planning, and counseling for individuals interested in nutrition-related health behavior change.

Prerequisite: EXS 23000. Offered: Spring.

EXS 32500 - Biomechanics (3)

This course will study muscular structure and function in relation to physical movement, providing extensive information and application of physiological laws and human movement analysis. Projects of analyzing fundamental movements and sport skills will be performed.

Prerequisite: BSC 22700 or HFS 20700. Offered: Fall/Spring. Cross-Listed as: HS 54300.

EXS 33000 - Current Issues in Exercise Science (3)

This course will target where the sport and exercise science fields are going in the near future. It involves major sociological issues including tobacco use, recreational drugs, narcotics, alcohol, diseases, community health, and personal and family health. Current technology will also be explored.

Prerequisite: EXS 31500.

EXS 33500 - Independent Research (1-3)

This course provides undergraduates with an opportunity to perform research under the supervision of a faculty member in an Exercise Science-related area. Students are expected to learn common assessment techniques used in Exercise Science research, assist with other ongoing projects and develop a research proposal for their own project. Each credit hour requires approximately 50 hours of contact throughout the semester. The number of enrolled hours must be discussed and agreed upon with the instructor prior to enrollment. May be repeated for credit.

Prerequisite: EXS 27500 and MTH 14100 (both) with a C or better, overall 3.0 GPA or higher, permission of instructor, and reliable transportation to and from the main LU campus and other sites of data collection across the greater St. Louis metro area.

EXS 34000 - Nutrition for Performance (3)

This course includes dietary considerations for weight loss, weight gain, and maintenance for human performance and sport enhancement. Current research of supplements, holistic herbs, ergogenic aids, and diet myths will be examined. Diseases controlled through diet and exercise and medication used in special populations will also be covered.

Prerequisite: BSC 12100 or EXS 24000. Offered: Fall.

EXS 36000 - Exercise Principles for Optimal Performance (4)

This course will prepare students to teach and supervise weight training programs in athletic, recreational, and physical education class environment. It will also cover the physiological components of exercise and their application when working with athletes, individuals, or small/large groups. Students will understand the purpose of selecting safe and effective techniques for aerobic and anaerobic conditioning, contraindications to exercise, and evaluation methods used by professionals when working with these

populations. This course is not open to students with credit in EXS 26000 or PE 35600.

Prerequisite: EXS 31500. Offered: Fall/Spring.

EXS 38500 - Advanced Strength Training Techniques (3)

This course is a study of techniques in various strength training exercises. Theory, principle and application of advanced exercise used in rehabilitation and sport specific training are discussed. Cross-listed with HS 51000.

Prerequisite: EXS 36000 or PE 35600. Offered: Fall. Cross-Listed as: HS 51000.

EXS 38700 - Exercise Testing (3)

This course is designed to provide students with the scientific foundations necessary to conduct laboratory and field tests used for assessing physical fitness components. It will focus on cardio respiratory fitness, muscular fitness, body composition, flexibility, and balance. It integrates concepts, principles, and theories based on research in exercise physiology, measurement and evaluation, psychology, and nutrition to provide a direct and straightforward approach to physical fitness assessment.

Prerequisite: EXS 27500. Corequisite: EXS 38800. Offered: Fall/Spring.

EXS 38800 - Exercise Testing Lab (1)

This course is designed to provide students with the skills necessary to conduct laboratory and field tests used for assessing physical fitness components. It will focus on cardio respiratory fitness, muscular fitness, body composition, flexibility, and balance.

Prerequisite: Current CPR certification. Corequisite: EXS 38700. Offered: Fall/Spring.

EXS 39000-39999 - Special Topics (1-6)

This course is designed for interest in specific subjects related to exercise science.

Prerequisite: Permission of dean. Offered: Fall/Spring.

EXS 41000 - Exercise Prescription and Implementation (3)

This course is designed for the student to explore techniques and strategies used for designing, implementing, and managing specific exercise, health and wellness, and athletic development programs. The student will apply their knowledge and skills learned in previous courses to administer appropriate evaluations and use the test results to develop an exercise prescription and properly implement the program.

Prerequisite: EXS 31500 and EXS 31600 and (EXS 38700 and EXS 38800). Offered: Fall/Spring.

EXS 43000 - Physical Activity for Specific Populations (3)

This course will explore the fitness professional's role in planning and implementing fitness programs for specific

populations. Students will understand the many considerations and possibilities to adapt for specific populations as it relates to their ability to be physically active. Exercise testing and programming will be discussed for groups such as youth, geriatric populations, chronic health conditions, those with physical disabilities, as well as medications for these conditions and their effects on exercise.

Prerequisite: EXS 31500; EXS 31600. Offered: Fall/Spring.

EXS 44000 - Internships (3-6)

This internship will be completed in the area of interest of the student. 50 on-site hours per credit hour. There is a minimum of 150 hours, maximum of 300.

Prerequisite: EXS 41000 or committee approval.

EXS 44100 - Research Internship (1-6)

The purpose of this course is to offer an internship experience for the Exercise Science and Health and Fitness Studies student that is devoted entirely to learning and practicing the research protocols and procedures commonly completed in Exercise Science. Students will be exposed to a number of opportunities that will enhance their skills and abilities in an exercise science laboratory environment including introducing the student to writing and presenting individual research they have performed during the course. May be repeated for credit. This is an undergraduate research course.

Prerequisite: EXS 27500; EXS 31500; MTH 14100, and permission from the instructor. Offered: Fall/Spring.

EXS 45500 - Exam Preparation (3)

This course provides a review of all areas necessary to prepare for the strength training exams including administrative duties, facility management and maintenance, fitness program implementation, dietary considerations, and assessment of fitness, conditioning, strength and flexibility. Lab consists of implementation of strength programs, and application of areas used in strength gains.

Prerequisite: Senior standing. Offered: Spring. Cross-Listed as: HS 56500.

EXS 46000 - ACSM Certified Exercise Physiologist Exam Preparation (3)

This course will cover theory and practice as it relates to the scope of practice for the ACSM Exercise PhysiologistSM Certification (EP-C). The structure of the course modules are based on the five performance domains as identified by ACSM and the job-related tasks associated with each.

Prerequisite: BSC 22800; senior standing; exercise science program of study or equivalent determined by dean. Offered: Spring.

FBD - Fashion Business and Design

FBD 10100 - Fundamentals of Sewing for Design (3)

This course is designed to teach the fundamentals of sewing and construction, emphasizing basic techniques, operation of various machines used in garment construction, and the elements of hand sewing. Passing this course or sewing proficiency test is required for all BA and BFA Fashion Design candidates. The course is open to all students. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

FBD 10200 - Fashion Business and Design Practicum (0)

All fashion design majors are required to enroll in this course each semester of full-time enrollment, excluding the semester of internship. Requirements vary by semester and may include participation in fashion shows, exhibitions, program meetings and activities and special events. Pass/Fail grading. May be repeated. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

FBD 20000 - Introduction to Fashion Design (3)

This studio course addresses the basic elements of fashion design as they relate to careers within the industry. Assignments introduce the fashion design processes of trend investigation, consumer research, storyboarding, color story, textile development, fabric identification, design innovation, and sketching creative ideas. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall.

FBD 21000 - Textile Science (3)

This course introduces students to the scientific qualities and properties of fashion fabrics. By investigating and testing the fibers, quality, construction, care and finishing of textiles, students learn the basics of fabric identification and specific uses in the fashion industry. This course requires lab projects and provides demonstrations of basic methods of textile design development, weaving, printing and dyeing. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Spring.

FBD 22000 - Introduction to the Fashion Industry (3)

This course addresses the historical background of the fashion industry as it relates to fashion careers and businesses. Assignments introduce the fashion design process, trend investigation, consumer research, soft goods retailing, e-commerce, apparel manufacturing, merchandising, and buying, textile design and development, sourcing and production, promotion and marketing, retail sales and management, entrepreneurship,

professional behavior and basic business writing. This class may require the use of a virtual reality headset identified by the instructor.

FBD 31100 - Apparel Design I: Draping (3)

This course introduces students to specialized knowledge, skills, concepts, topics, and techniques central to apparel styles through the application of draping principles on three-dimensional dress forms. Students study the process from initial design concept through first sample. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000. Offered: Spring.

FBD 31200 - Apparel Design II: Patternmaking (3)

This course explores the development of intermediate level apparel styles through the application of pattern drafting principles. Students draft and execute professional standard patterns through flat pattern methods, measurements and rub-off. Students study the process from initial design concept through first sample. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000 or FBD 22000. Offered: Fall.

FBD 31300 - Apparel Design III: Mini Collections (3)

This course explores the development of advanced apparel styles through the application of pattern drafting and draping principles. Students are exposed to the design process, from initial concept and muslin sample development to final execution of the finished garments. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 21000; FBD 31100; FBD 31200.

Offered: Fall.

FBD 31600 - Fashion Illustration (3)

This course will introduce students to the basic steps of drawing fashion figures. Other facets of this course include rendering fabrics, flat sketches, and fashion accessories. Students will be required to build a mini-portfolio. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 13000. Offered: Spring.

FBD 31700 - Digital Apparel Production Management (3)

The purpose of the course is to introduce students to Apparel Production Management. Through the course the students will familiarize themselves with the supply chain from design concept to finished garments. Students will also learn about Technical Packages and how to build one for themselves. Graduate students will also conduct research about product management, global supply change and the environmental impact of the industry. This class

may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000 or FBD 22000. Offered: Fall/Spring.

FBD 35000 - Computer-Aided Design I: Apparel Design (3)

Using various software, students construct garment flats and illustrations, scan croquis, and design textiles and visuals. Emphasis on the computer as a tool to achieve apparel designs. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 12000. Offered: Fall.

FBD 35100 - Computer-Aided Design II: Textile Design (3)

This course requires students to utilize digital programs to create textile designs. Students will also be exposed to texture mapping and storyboards. Color modes, color matching and printing considerations will be discussed. Class time is divided between instructor demonstrations, student exercises, and arranged lab time for independent work. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 12000. Offered: Spring.

FBD 35200 - Computer-Aided Design III: Patternmaking (3)

This course requires students to design and manipulate patterns using apparel industry-specific computer software, including digitizing, pattern grading and marker making. Technical design and production information is generated. Class time divided between instructor demonstrations, student exercises, and arranged lab time for independent work. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31200. Can be concurrently enrolled into FBD 31200. Offered: Fall.

FBD 35300 - Computer Aided Design IV: 3D Fashion Design and Technology (3)

The purpose of this course is to teach students how to design fashions utilizing 3D digital software and equipment. Students will learn to use and explore; Modular Design, 3D Simulation & Layer, 3D Garment Edit, 3D Arrangement, 2D Pattern Design, Grading, Sewing & Tacking, Fabric, Hardware & trims, Fine-tuning, Avatar, Fit Check, Colorway, Print Layout, Render Image/Video, and Animation (Runway). This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31200. Can be concurrently enrolled into FBD 31200. Offered: Fall/Spring.

FBD 37200 - History of Costume to 1900 (3)

This course is a study of social and cultural history and the resulting costumes worn by men, women, and children

from primitive times to 1900. Emphasis is given to the ways in which politics, economics, and technology affected the changing silhouettes of each period. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall.

FBD 37300 - History of Costume from 1900 (3)

This course is a study of social history and the resulting costumes worn by men, women, and children in the 20th and 21st centuries, focusing on the impact of cultural, political, and social changes. Emphasis is given to the ways in which politics, economics, and technology affected the changing silhouettes of each period, while exploring fashion and the psychology of dress in culturally diverse settings. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Spring.

FBD 37600 - Fashion Accessories (3)

This course introduces students to the study of fashion accessories. Material covered will include an overview of the historic and contemporary components of accessories which will help students to better predict fashion trends. The specific accessories selected for study may vary from semester to semester. Studio fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31100 or FBD 31200.

FBD 38500 - Fashion Business and Entrepreneurship (3)

This course is a study of the commercial and professional elements of fashion, including analysis of merchandising and marketing practices within fashion and its related industries. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000. Offered: Spring.

FBD 38530 - Luxury Branding, Merchandising, and Visual Display (3)

This course focuses on aspects of luxury retail branding, visual merchandising and display, from classic techniques to the most avant-garde developments. This course also reveals how both historic and innovative retailers can optimize their image with target markets through window and interior displays, branding, and new visual merchandising strategies. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 22000. Offered: Fall/Spring.

FBD 38540 - Apparel Buying and Trend Forecasting in a Global Economy (3)

This course will focus on typical buying tasks, identifying and understanding potential customers, creating a six-month merchandising plan, and developing sales forecasts, important retailing trends, including global buying and

sourcing, omni-channel retailing, online retailing, mobile technologies, and social media. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

FBD 38550 - Sustainability in the Global Apparel Industry (3)

This online course will focus on sustainability and efforts to reduce the harsh impact of fashion manufacturing and consumption around the world. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000. Offered: Fall/Spring.

FBD 38560 - Fashion Marketing and Global Consumer Behavior (3)

This course will focus on contemporary marketing practices including; online marketing, social media, video, mobile technologies, in-store technologies, augmented reality, digital spaces and traditional marketing principles, in addition to consumer online buying behaviors, e-commerce, changes in technology, and social issues within the fashion industry. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 22000. Offered: Fall/Spring.

FBD 38570 - Fashion Writing and Global Communication (3)

This online course will focus on three areas of communication; reading, writing, and speaking about fashion through traditional and electronic means including; newspaper, magazine, radio, TV, social media, and fashion blogging. This course will also, explore various languages used in basic conversation when communicating and traveling to various fashion capitals and conducting business around the world. Specific languages include; Mandarin, Spanish, French, Italian, Japanese, Portuguese, Hindi, Arabic, Russian, German, and Swahili. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 20000 or FBD 22000. Offered: Fall/Spring.

FBD 41400 - Apparel Design IV: Technical Design (3)

This course focuses on elements used in the mass production of clothing. Students work in groups to choose an existing company; study its history, design philosophy, and customer base and design a collection for a specific season, including spec sheets and technical packages for practical application. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31300; FBD 35000. Offered: Fall.

FBD 45000 - Portfolio Design (3)

This course is designed to teach fashion students how to construct a professional fashion portfolio. Emphasis on illustration skills and various media and presentation

techniques. Studio or lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31600; FBD 35000. Offered: Spring.

FBD 46500 - Fashion Internship (3-6)

Supervised work experience for the advanced student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of 6 credit hours. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: ENGL 17000 with a C or better; junior standing; permission of dean. Offered: Fall/Spring.

FBD 47000 - Fashion Business Capstone (3)

This capstone course provides students the opportunity to identify themselves as entrepreneurs, develop a business plan and create their own marketing strategy for their business. Students will analyze industry trends, research existing companies, and present their own personal business model. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Senior standing. Offered: Spring.

FBD 48700 - Senior Collection (3)

This is the first of two capstone courses in which students identify customer profiles, research major areas of their specialization and inspiration, and select fabrics. After designing a collection appropriate for a chosen market, students design the flat patterns, draping and muslins for the final garment. Students will develop portfolio-ready technical sketches, illustrations, flats, color storyboards, and fabric swatches. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 31300. Offered: Fall.

FBD 48800 - Senior Collection II (3)

This course continuation of FBD 48700), students fabricate their designs. Industry standard construction techniques are applied in the execution of the final collection, while portfolio quality presentation boards support the collection. Studio fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: FBD 48700. Offered: Spring.

FIN - Finance

FIN 31200-31299 - Directed Studies in Finance (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

FIN 32000 - Principles of Finance (3)

This course introduces the student to the fundamental concepts of financial management including basic financial analysis, working capital management, planning and forecasting, security valuation, capital budgeting, cost of capital, leverage and capital structure, and international financial management. Lab fee may be required.

Prerequisite: ACCT 21010 with a C or better. Offered: Fall/Spring.

FIN 32010 - Corporate Finance I (3)

This course provides an in-depth examination of issues and techniques of financial management, including financial statement analysis, financial planning and forecasting, capital budgeting, cost of capital, financial leverage and capital structure, dividend policy and working capital management. Lab fee may be required. This course provides an in-depth examination of issues and techniques of financial management, including financial statement analysis, financial planning and forecasting, financial markets, valuation of securities, financial options, capital budgeting, and cost of capital. Lab fee may be required.

Prerequisite: ECON 23030, ENGL 17000, and FIN 32000 with a C or better. Offered: Fall/Spring.

FIN 32015 - International Finance (3)

This course is a study of financial decision making for multinational companies. Topics will include the international monetary system, the foreign exchange market, management of foreign exchange exposure, world financial markets and institutions, and financial management of the multinational firm. Lab fee may be required.

Prerequisite: FIN 32000 with a C or better. Offered: Fall/Spring.

FIN 32020 - Investments I (3)

This course is a survey of the basic concepts of investing. Students will learn the skills to analyze the overall economy, industries and sectors, fixed income securities, stocks, and mutual funds. Lab fee may be required.

Prerequisite: ECON 23030, ENGL 17000, and FIN 32000 with a C or better. Offered: Fall/Spring/Summer.

FIN 32030 - Personal Finance (3)

This course surveys the economic factors and personal decisions that affect financial well-being: budgeting, savings, credit management, taxes, major expenditures, insurance, investments, and retirement and estate planning. Emphasis is on practical knowledge for personal financial management. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

FIN 32035 - Retirement Planning (3)

Retirement planning focuses on preparation for retirement. The course will include the important of retirement planning, an evaluation of the client's needs, an understanding of Social Security and Medicare, and qualified and non-qualified retirement plans.

Prerequisite: ENGL 17000 with a C or better; One of the following math courses: MTH 14100, MTH 14200, MTH 15100, MTH 15200, MTH 17300, MTH 27100, or MTH 27200. Offered: Fall.

FIN 32036 - Estate Planning (3)

Estate planning focuses on the efficient conservation and transfer of wealth consistent with the client's goals. The course is a study of the legal, tax, financial, and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, and wealth transfers and their related taxes. Lab fee may be required.

Prerequisite: ENGL 17000; FIN 32000 with a C or better. Offered: Fall.

FIN 32040 - Risk and Insurance (3)

This course surveys the area of risk and insurance and examines the concepts of risk, the nature of the insurance device, and the principles of risk management. Life insurance, health insurance, property and liability insurance, and social insurance are treated in terms of their relationship to the wide range of insurable risks to which the individual and the business firm are exposed.

Prerequisite: ENGL 17000 with a C or better; One of the following math courses: MTH 14100, MTH 14200, MTH 15100, MTH 15200, MTH 17300, MTH 27100, or MTH 27200. Offered: Spring.

FIN 32050 - Financial Institutions and Markets (3)

This course is a study of asset and liability management for financial institutions, including the effect of regulations and laws on the management of financial institutions. Topics covered include the structure of interest rates, money markets, bond markets, stock offerings, financial futures market, commercial bank operations, foreign exchange markets, insurance operations, pension fund operations, leveraged buyouts, private equity markets and hedge fund operations. Lab fee may be required.

Prerequisite: ECON 23030, ENGL 17000, and FIN 32000 with a C or better. Offered: Spring.

FIN 32092 - Analysis of the Housing Market and Home Purchase Process (3)

The history of the 2007-2008 housing crisis will be discussed. Analysis of the national and local housing markets as well as investigating property values across the country. A review of the home purchase process will include home selection, hiring a real estate agent, applying for a mortgage, credit reports, affordability, negotiating the offer, appraisals, inspections, taxes, insurance, and the

closing process. Also, the true cost of home ownership will be investigated.

Prerequisite: ACCT 21010; ENGL 17000 with a C or better.

FIN 39000-39999 - Special Topics in Finance (1-3)**FIN 41200-41299 - Directed Studies in Finance (3)**

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

FIN 42010 - Corporate Finance II (3)

This course is a continuation of FIN 32010 Corporate Finance I. Topics will include capital structure, distributions to shareholders, financing decisions, working capital management, short-term financing, mergers and acquisitions, and multinational financial management. Lab fee may be required.

Prerequisite: ENGL 17000; FIN 32000 with a C or better.

FIN 42020 - Investments II (3)

This course covers fixed income securities, mutual funds, commodities, derivative securities, and portfolio management. Lab fee may be required.

Prerequisite: ENGL 17000; FIN 32000 with a C or better. Offered: Spring.

FIN 42030 - Financial Planning Capstone (3)

This course will engage the student in critical thinking and decision-making about personal financial management topics in the context of the financial planning process. The purpose of this course is to refine and develop the skills needed for personal financial planners when working with individuals, families, and business owners in meeting financial needs and objectives. It is recommended students take this course in the student's final semester.

Prerequisite: ENGL 17000 with a C or better; senior standing. Offered: Spring.

FIN 42040 - Investment Applications (3-6)

This course allows the students to get hands on experience in stock selection and portfolio building process. Investment Applications is built on the theories and concepts taught in Principles of Finance, Investments, and Corporate Finance and tests students' ability to manage a virtual portfolio. The students will learn to navigate the financial database EIKON, HOLT, TIKR, and practice the concepts learned in the foundation courses. May be repeated for a maximum of 6 credit hours.

Prerequisite: FIN 32000 with an A or better; FIN 32020; and permission of department head. Note: FIN 32020 may be taken concurrently with FIN 42040.

FIN 42080 - Seminar in Finance (3)

This course is an application of the theoretical principles of finance theory to case studies on special financial problems, such as international finance, small business finance, the timing of financial policy, and optimum capital structure. Lab fee may be required.

Prerequisite: ENGL 17000, FIN 32010, and FIN 32020 with a C or better; senior standing. Offered: Spring.

FIN 42095 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of faculty advisor, and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all required degree courses. Offered: Fall/Spring.

FIN 49000-49999 - Special Topics in Finance (1-3)

FRE - French

FRE 10100 - Elementary French I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is an introduction to French language and culture through reading, writing, speaking, and listening.

Offered: Intermittently.

FRE 10200 - Elementary French II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is a continuation of the 10000-level sequence, in which students deepen their knowledge of French language and culture and further develop reading, writing, speaking and listening skills.

Prerequisite: FRE 10100. Offered: Intermittently.

FRE 20100 - Intermediate French I (3)

GE-Human Culture: Foreign Language/Human

Diversity Through this course students will further develop their language skills and advance their understanding of Francophone cultures through discussions, readings, and written work.

Prerequisite: FRE 10200. Offered: Intermittently.

FRE 20200 - Intermediate French II (3)

GE-Human Culture: Foreign Language/Human

Diversity This review course is designed to further give

the student a command of basic grammatical structures and to increase vocabulary and fluency through reading and through oral and written analysis of short literary and cultural selections.

Prerequisite: FRE 20100. Offered: Intermittently.

FRE 31100 - Advanced Oral Skills (3)

GE-Human Culture: Foreign Language/Human

Diversity This course will focus on strengthening and deepening oral communication skills—speaking and listening—through the review of some areas of advanced grammar as well as the viewing of French-language films, readings, group discussions, class work, homework using both text-based and internet resources, and oral presentations. The materials used in the course will emphasize themes and problems relevant to the contemporary French and Francophone world, providing students with cultural perspectives on both general and specific topics that will help stimulate discussions.

Prerequisite: FRE 20100. Offered: Intermittently.

FRE 31200 - Advanced Written Expression (3)

GE-Human Culture: Foreign Language/Human

Diversity Using a process-writing approach, this French composition course will help students master writing skills and gain confidence as writers. Through the exploration of various genres, students will learn how to describe, to narrate, to persuade and defend opinions, to hypothesize, to synthesize, and to analyze.

Prerequisite: FRE 20200. Offered: Intermittently.

GAM - Game Design

GAM 10000 - Introduction to Game Design (3)

This course introduces students to basic concepts of game development including a review and critique of game genres and the basics of the psychology of play. Students will create paper prototypes and play test other's designs for balance and most importantly fun. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring.

GAM 18600-18699 - Special Topics (1-3)

Special topics in game design. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

GAM 23000 - Prototype Studio (3)

This course introduces you to rapidly prototyping video games using several popular game engines. Developing multiple games, each over the course of one week, you will be challenged by the professional pace of the work while also receiving valuable feedback from your instructor and

peers weekly. One game will be chosen to be developed further based off feedback. This class may require the use of a virtual reality headset identified by the instructor.

Offered: Fall/Spring/Summer.

GAM 28600-28699 - Special Topics (1-3)

Special topics in game design. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

GAM 30100 - Team Studio I (3)

Students work in teams going through the entire game development process going from concept to completed publish ready game creating examples to build their portfolio. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: GAM 10000; GAM 35800. Offered: Fall/Spring.

GAM 30120 - Level Design (3)

Students will use industry standard software to create a playable three-dimensional level, including terrain generation, custom texture maps and three-dimensional place-able models. The course will also explore the theory behind level creation and design. Lab fee required. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 33600. Offered: Fall/Spring.

GAM 31000 - Scripting for Games (3)

This course will introduce the basics of scripting within industry standard game engines. By the end of the course, students will have a knowledge how modern game engines function, and how to develop basic gameplay. Students will learn to prototype games quickly and how to communicate effectively with programmers. May be repeated for a maximum of 6 credit hours. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 11000; GAM 10000. Offered: Fall/Spring.

GAM 32000 - Audio for Games (3)

This course investigates sound production and engineering that are particular to games. The course will cover typical studio effects, sound manipulation, and addresses technical hurdles. More advanced concepts and techniques will also be introduced such as recording custom effects, proper integration of audio into game engines, and mixing techniques particular to the gaming industry. May be repeated for a maximum of 6 credit hours. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: GAM 10000. Offered: Fall/Spring.

GAM 33000 - Game Testing (3)

The course focuses on the testing of playable prototypes. Students will address issues of quality assurance and attend to detected program errors, bug fixes, and overall game improvement. Students will also learn to write analytical reports based on the comprehensive testing strategies and tools utilized during this course. May be repeated for a maximum of 6 credit hours. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: GAM 10000. Offered: Fall/Spring.

GAM 36800 - Game Development (3)

This course introduces you to working in modern game engines while building your own games based on industry inspired workflows. You will gain knowledge of how to import your own art assets into a game space and prototype a 3D game design. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 33600. Offered: Fall/Spring/Summer.

GAM 38600-38699 - Special Topics (1-3)

Special topics in game design. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

GAM 42400 - Game Design Firm (3)

In this hands-on course, you will continue to work in teams going through the entire game development process from concept to completed publish-ready game. You will create examples and continue to polish your portfolio, with a special focus on creating a presentable body of work. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: GAM 30100. Offered: Fall/Spring/Summer.

GAM 46500 - Game Design Internship (3)

Students will receive hands-on experience and understanding of the games industry by participating in an externship at a professional game company. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: Senior status. Offered: Fall/Spring.

GAM 46900 - 3D Animation (3)

This course covers the basic principles of animation. Students will use industry-standard software to create three-dimensional animations including particle simulations, character animation, facial animation, key frames and editing three-dimensional animation curves. This class may require the use of a virtual reality headset identified by the instructor.

Prerequisite: AAD 33600. Offered: Fall/Spring.

GAM 48600-48699 - Special Topics (1-3)

Special topics in game design. May be repeated as topics vary. Course fee may be required. This class may require the use of a virtual reality headset identified by the instructor.

GEO - Geography**GEO 10100 - World Regional Geography (3)****GE-Human Culture: Foreign Culture/Human**

Diversity Have you ever daydreamed of traveling the globe? In this class you will spend each week in a new world region—exploring its unique landscapes, its political organization, its cultural traditions, its population patterns, and its economic opportunities and challenges, among other relevant and current patterns and processes. At its heart, this course seeks to foster a deeper understanding and appreciation of the tremendously diverse world we live in. Not open to students with credit in GEO 10200.

Offered: Fall/Spring.

GEO 10300 - Human Geography (3)**GE-Human Culture: Foreign Culture/Human**

Diversity Why do Americans eat a diet of mostly processed food in comparison to Bolivians' diet of fresh, locally-produced meals? Why do the Finns have so much disposable income in comparison to Ethiopians? Why do some urbanites prefer the suburbs to the bustling Central Business District? These are among the questions you will investigate in Human Geography. Human Geographers seek to understand why human behavior varies over space. Through hands-on exercises, you will develop a deeper appreciation for the diversity, complexity, and interconnectivity of the human experience across the globe.

Offered: Fall.

GEO 11500 - Physical Geography (4)

GE-Natural Science with Lab Have you ever wondered why it gets dark and windy before a thunderstorm? Or why Missouri is so flat in comparison to Colorado? Why does Europe have such diverse and abundant agriculture in comparison to Africa? What about the Amazon Rainforest—why is it so wet and warm and full of different plants and animals? You will investigate these questions among many others in this practical, hands-on lab course in Physical Geography. This course will deepen your understanding and appreciation of the diversity, complexity, and interconnectivity of the earth's physical systems.

GEO 20000 - Introduction to Geographic Information Systems (GIS) (3)

GE-Communication This course introduces basic concepts necessary to an understanding of geographic

information systems including its purpose, hardware, software, databases, and application. ESRI ArcGIS software will be used to display various databases, and students will design and execute cross-disciplinary projects in order to demonstrate the uses of GIS as a spatial analysis and decision making tool. Not open to students with credit in ESC 20000.

Offered: Fall/Spring.

GEO 20400 - Remote Sensing (3)

Where is my house? This is usually the first question we ask ourselves when presented with aerial or satellite imagery. If after you find your house, you question what did my house look like in the past? How much vegetation is around my house? What does the imagery look like in 3D? And, the next thing you know you are on a virtual tour of the world, then this is the class for you. Remote Sensing is all about how, through the act of analyzing imagery, we ask more questions and how incorporating that imagery into GIS helps us answer those questions.

GEO 20700 - World Economic Geography (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This introductory course is a study of the changing locations and spatial patterns of economic activity, including agriculture, manufacturing, and services. Focus will center on the historical development of different economies, on explanations for global and regional economic disparities, and the local and global effects of increasing international economic integration.

Prerequisite: ENGL 17000 with a C or better.

GEO 28000-28099 - Special Topics (3)

This course is a study of a specific topic, time period, or geographical area. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

GEO 28100-28199 - Special Topics (3)

This course is a study of a specific topic, time period, or geographical area. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

GEO 28200-28299 - Special Topics (3)

This course is a study of a specific topic, time period, or geographical area. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

GEO 30000 - Advanced Topics in Geographic Information Systems (GIS) (3)

This course is an advanced study of the various applications of Geographic Information Systems (GIS) technology. The lecture component of the course will cover industry “best practices” for data collection, analysis, production and presentation of spatial data. The lab component of the course will focus on a series of scenario-based projects. Students will be tasked with making real world decisions based on their analysis and interpretation of spatial data using ESRI’s ArcGIS software. Not open to students with credit in ESC 30000.

Prerequisite: GEO 20000. Offered: Fall/Spring.

GEO 30200 - Droning and Coding (3)

Take your GIS Certificate to greater heights with this Droning and Coding course. The droning portion of this course will go in-depth into the actual mechanics of drones and their sensors while also providing student more flight time! The coding portion of this course will teach coding skills using the drones. Students will be introduced to a variety of programming languages that can be used with the drones and with GIS software.

Prerequisite: GEO 20000 or concurrent enrollment.
Offered: Fall/Spring/Summer.

GEO 40100 - Internship in Geographic Information Systems (GIS) (3)

This course prepares you for a field related to Geographic Information Systems (GIS) through practical engagement with the technology in a professional setting.

Prerequisite: GEO 20000. Offered: Fall/Spring.

GER - German

GER 10100 - Elementary German I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is an introduction to the fundamentals of the language and a mastery of the basic principles with emphasis on speaking and reading comprehension.

Offered: Fall.

GER 10200 - Elementary German II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is an introduction to the fundamentals of the language and mastery of the basic principles, emphasis on speaking and reading comprehension.

Prerequisite: GER 10100. Offered: Spring.

GER 20100 - Intermediate German I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is a review of grammar and a study

of linguistic, phonetic, and syntactical problems through reading and discussion of modern German prose.

Prerequisite: GER 10200. Offered: Fall.

GER 20200 - Intermediate German II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is a review of grammar and study of linguistic, phonetic, and syntactical problems by reading and discussion of modern German prose.

Prerequisite: GER 20100. Offered: Spring.

GER 31100 - German Conversation and Composition I (3)

GE-Human Culture: Foreign Language/Human

Diversity This course offers further development in aural comprehension and oral expression through reading and analysis of cultural and literary materials with exercise in syntax and elements of style. Techniques of group discussion, formal and informal, oral and written presentation are presented.

Prerequisite: GER 20200.

GER 31200 - German Conversation and Composition II (3)

GE-Human Culture: Foreign Language/Human

Diversity This course offers further development in aural comprehension and oral expression through reading and analysis of cultural and literary materials with exercise in syntax and elements of style. Techniques of group discussion, formal and informal, oral and written presentation are presented.

Prerequisite: GER 31100.

GS - Gender Studies

GS 20101 - A Global Introduction to Gender Studies (3)

GE-Human Culture: Foreign Culture/Human

Diversity This interdisciplinary course provides an introduction to the key topics and debates that have shaped the field of gender studies, including masculinity studies and the study of sexuality, history of women's movements and women's studies in America, cross cultural constructions of gender, and a thematic emphasis on the diversity of women's experience across class, race, and cultural lines. Through lecture and class discussion of texts from history, literature, film, psychology, and sociology, we will examine the pervasive influence of gender on the structure of society and our everyday experiences. What role does gender play in our understanding of love, friendship, sexuality, and even violence? Topics will include biological arguments about gender and sexuality; the social construction of gender and identity; intersections of gender, race, class, and sexuality; masculinity and femininity; and theories of sexual difference and the construction of sexuality.

Prerequisite: ENGL 17000 with a C or better.

GS 28000-28099 - Selected Topics in Gender Studies (3)

This course is designed for individualized study of specific topics within the field of Gender Studies.

Prerequisite: ENGL 17000 with a C or better.

GS 30000 - Gender Theory (3)

GE-Social Science/Human Diversity This course is designed to provide students with an introduction to key arguments and themes in contemporary gender studies. We will also examine the diverse perspectives of feminist and gender theories, and students explore some influential debates and issues within feminist thought and the ways in which feminist theories critically analyze conceptions of women and gender relations within political, social, and cultural contexts. The course studies feminisms, as well as masculinities, from an interdisciplinary approach. We will study different feminist theories from multiple perspectives, including socialist, psychoanalytic, postcolonial, third wave, and global feminisms. This course is not designed to be comprehensive or to cover all the debates pertaining to gender or feminism. Rather, this course aims to introduce students to key theoretical contributions of feminist thought. The course is focused on theory and is not designed to systematically cover the history of women's movements, with some discussion of political/social movements as well.

Prerequisite: ENGL 17000 with a C or better.

GS 38600-38699 - Selected Topics in Gender Studies (3)

This is a course designed to offer a variety of topics in gender studies. May be repeated for additional credit if taken under a different topic.

Prerequisite: GS 20101.

HFS - Health and Fitness Science**HFS 16000 - First Aid/CPR/Sport Injuries (2)**

This course is designed to provide training and offer certification in the areas of First Aid and CPR. Student will meet the skill and knowledge standards as determined by the certifying organization.

Offered: Fall/Spring.

HFS 18500 - Medical Terminology (2)

This course is designed to educate the student in medical terminology in preparation for a career in the healthcare field. Upon completion of the course, students will have a solid foundation in anatomical and medical terminology with the skills necessary to utilize medical terminology with a large vocabulary, including knowledge of prefixes, suffixes, and abbreviations.

Offered: Fall/Spring.

HFS 20000 - Health and Nutrition (4)

This course will provide the student with knowledge of health, fitness, nutrition, and wellness related topics, as

well as applicable behavior modification strategies to assist in the prevention of health-related diseases. All components of wellness will be discussed (physical, mental, social, spiritual, and environment) with an emphasis in developing the student's personalized wellness program to develop and maintain a healthy lifestyle.

Offered: Fall/Spring.

HFS 20500 - Fitness and Wellness Concepts (3)

This course will provide the student with knowledge of physical and mental health concepts and engage the students in hands-on personal health assessments. Behavior modifications strategies to eliminate unhealthy behaviors and assist in the prevention of health-related diseases will be explored with an emphasis in developing the student's personalized wellness program to maintain a healthy lifestyle.

HFS 20700 - Human Anatomy and Physiology (4)

GE-Natural Science with Lab This course is a study of the structure and function of the human skeletal, muscular, nervous, digestive, respiratory, and circulatory systems. This course cannot be taken by Athletic Training and Exercise Science majors.

Prerequisite: BSC 10000 with a C or better, or BSC 24400 with a C or better, or two semesters of high school biology with a C or better. Offered: Spring.

HFS 20800 - Care and Prevention of Athletic Injuries (4)

This course is designed to provide foundation knowledge in the prevention and initial management of injuries and other medical emergencies that may occur during physical activity. Students will gain hands-on experience to support their learning and develop key skills in the management of acute conditions. Students will also have the opportunity to earn certifications in CPR, AED, and emergency oxygen.

Prerequisite: BSC 22700 or HFS 20700. Offered: Fall.

HFS 21500 - Introduction to Health and Fitness Sciences (3)

This course is an introduction to the foundational information in the fields of athletic training, exercise science, health promotion, recreation, physical education, and wellness. Course topics and activities include exploration of the general concepts, goals, professional organizations and certifications, sub-disciplines, and career employment opportunities. Not open to students with credit in AT 28500, EXS 25000, or REC 10200.

HFS 22000 - Motor Learning and Rhythmic Activity (3)

GE-Social Science/Human Diversity This course is designed to show the process and factors related to the

acquisition and performance of motor skills and effective application to rhythmic activity teaching methods.

Prerequisite: EXS 25000 or PE 15000. Offered: Fall.

HFS 24300 - Professional Associations and Conferences (1)

This course is designed to introduce the student to professional associations and the benefits of membership and attendance at conferences. The course will include attending a conference where students will be able to interact with practitioners and learn about current trends pertaining to the profession. Networking and session selection techniques will be discussed. May be repeated for a maximum of 4 credit hours.

HFS 27000 - Elderly Fitness Programming (2)

This course will provide students with knowledge and practical application of exercise testing and prescription of the elderly population. This course will provide program evaluation, planning, and modifying of activities to allow the elderly population to be successful in functional exercises. May be repeated for a maximum of 8 credit hours.

Offered: Fall/Spring.

HFS 30000 - Health and Well-Being in Society (3)

This on-line course is designed to give a broad overview of the many dimensions of health promotion, care, and legislation. Topics covered include health organizations, communicable and chronic diseases, socioeconomic issues, environmental issues, and other topics related to epidemiology.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

HFS 30500 - Measurement and Evaluation in Physical Education (3)

This course is a survey of the development, evaluation, and application of tests in health and physical education. The use and interpretation of statistical techniques in terms of strengths and weaknesses are considered. Not open to students with credit in REC 30500.

Prerequisite: EXS 25000, HFS 21500, PE 15000, or REC 20600. Offered: Spring.

HFS 31000 - Kinesiology of Physical Education (3)

The course will study the anatomical and mechanical phenomenon which underlie human motion. The student will learn to undertake a systematic approach to the analysis of motor skill activities and exercise programs and acquire experience in applying that knowledge to the execution and evaluation of both the performer and the performance in the clinical and educational milieu.

Prerequisite: BSC 22700 or HFS 20700.

HFS 33000 - Recreation, Sport, and Fitness Administration (3)

This course will provide a comprehensive overview of administrative aspects for recreation, sport, and fitness professionals. Leadership styles, financial management, employee development, volunteer management, evaluations, and safety issues will be discussed. This course is not open to students with credit in EXS 30000, REC 41000, or PE 34900.

Prerequisite: HFS 21500 or PE 15000. Cross-Listed as: REC 41000.

HFS 33500 - Organizational Management for Fitness and Health Professionals (3)

This course is designed to develop leadership programming skills for health and fitness programs/events in a variety of settings including: public, nonprofit, and for profit sectors. Emphasis will be on activity selection, scheduling, marketing, staffing and evaluations. Additional skills for human resource management and facility management will be explored.

Prerequisite: HFS 21500. Offered: Fall.

HFS 34000 - Mental Health and Resiliency Techniques (3)

This course will explore the psychological and physiological nature of stress as it relates to the body and its role in health-related disease. The impact of stress on one's physical, mental, emotional, social, and spiritual well-being will also be discussed. Students will research and investigate the role of resilient behaviors in managing life events and experience various coping strategies and relaxation techniques through active participation in these life skills.

Prerequisite: ENGL 17000. Offered: Fall.

HFS 35000 - Practicum (1-3)

This course provides students with professional experiences in the fields of health, fitness, wellness, and/or recreation. Fifty on-site hours are required for each credit hour earned. The practicum site must be approved by the instructor. May be repeated for credit.

Prerequisite: HFS 21500 or REC 31000. Cross-Listed as: REC 38500.

HFS 40000 - Adapted Physical Education (3)

The outcome of this course is to produce an individual who is capable of teaching students with various disabilities who are integrated into regular physical education classes. The individual will also have the knowledge to provide an adapted physical education program for more severely disabled students in an appropriate atmosphere. This will be accomplished by requiring appropriate modifications for activities. Inclusion methods, philosophies, and community based opportunities are offered and discussed.

Prerequisite: ENGL 17000. Offered: Fall.

HFS 40500 - Worksite Wellness Programming (3)

This course is designed to explore the many aspects of employee wellness programming for a variety of populations, including the history and development of such programs. Students will examine how to effectively assess, design, implement, and evaluate a program. Furthermore, the role of health literacy, healthcare legislation, and employee culture will be discussed and researched.

Prerequisite: HFS 33500. Offered: Intermittently.

HFS 43500 - Health Sciences Seminar (1)

This course is designed to assist students in professional development by improving skills in communication, self-promotion, and leadership in the framework of current issues facing professionals in the exercise science field.

Prerequisite: Junior or senior standing. Offered: Fall/Spring.

HFS 45000 - Internship (3-6)

This course provides students with professional experiences in the fields of health, fitness, and wellness. 50 on-site hours are required for each credit hour earned. The internship site must be approved by the instructor. May be repeated for credit.

Prerequisite: Senior standing.

HFS 48000 - Applied Science Capstone (3)

This course, taken in the student's final year, gives the student the opportunity to apply skills and knowledge gained in the Applied Science program to an authentic Applied Science problem or issue. The student will collaborate with peers to research and present a case study to a panel of guest judges from the community. Students will identify and define a need or problem, find data to establish the magnitude of the problem within the population and identify evidence-based interventions aimed at reducing or ameliorating the problem. This course also provides professional development preparation and skills-based experiences.

Offered: Fall/Spring.

HIST-History**HIST 10000 - World History: The Ancient and Medieval World (3)**

GE-Human Culture: World History/Human Diversity World History: The Ancient and Medieval World is an introduction to your past—from the earliest writings of your human ancestors to the dawning of the modern world. If you've ever wondered why Columbus was looking for India (of all places) or why kings wore crowns or why Egyptians built pyramids (instead of aqueducts or a Great Wall), then this course is for you. You'll not only learn about the distinct cultures that emerged in the Americas, Europe, Asia, and Africa but also how the peoples of those cultures interacted with one

another. You simply can't make sense of the world you live in without this course.

HIST 10100 - World History: Empires and Exchanges since 1500 (3)**GE-Human Culture: World History/Human Diversity**

Why was Columbus looking for Asia? Why did more African slaves go to Brazil than to the United States? How could anyone have supported Hitler's rise to power? Is globalization new? And what do these historical events have to do with you? A British novelist once quipped, "The past is a foreign country; they do things differently there." But you cannot understand the world that you've inherited unless you understand its origins. This course will provide you with a bird's-eye-view of the last five centuries of human history, tracing the global political, economic, and cultural events that have shaped the contemporary globalized world in which you live.

HIST 10200 - World History: Revolutions in the Modern World (3)**GE-Human Culture: World History/Human Diversity**

When is a revolution successful? Does it have to be violent? In this class, you will examine the history of modern revolutions in the Americas, Africa, Asia, and Europe to answer these questions and understand world history since 1500. Topics may include declaring independence, communism, human rights, race, and gender.

HIST 11100 - US History: Colony to New Republic (3)**GE-Human Culture: US History/Government**

Discover how the story of America begins. Your journey starts with the colonial origins of the United States and concludes with Hamilton, Jefferson, and the new republic. You will explore politics, economics, and the development of America as a new nation.

HIST 11200 - US History: New Republic to World Power (3)**GE-Human Culture: US History/Government**

Discover how the story of America unfolds in the nineteenth century. Your journey starts with the constitutional origins of the United States, traverses the horrors of the Civil War, and concludes with the progressive era at the dawn of World War I. You will explore politics, economics, and the emergence of America as a world power.

HIST 11300 - US History: The American Century (3)**GE-Human Culture: US History/Government**

Discover how America confronts the modern world. Your journey starts with the entrance of the United States into World

War I and concludes with the turmoil of the early twenty-first century. You will explore politics, economics, and the social foundations of America in an uncertain time.

HIST 11400 - US History: America through Business and Labor (3)

GE-Human Culture: US History/Government Calvin Coolidge famously noted that "the chief business of the American people is business." You will explore the history of American business and its workers. You will learn how economic factors shaped the lives of Americans and the work they do and the products they make and use. It's about Christopher Columbus, Steve Jobs, Jeff Bezos, and everyone in between.

HIST 11500 - US History: America through Gender (3)

GE-Human Culture: US History/Government/Human Diversity Lindenwood's long history reveals how the legacy of gender shaped American culture today. We can use the university's rich heritage and archives to explore how women and men challenge social, economic, and political gender expectations over time. You will uncover ways the construction of gender changed through history and how those changes transformed America using Lindenwood's history as a case study.

HIST 11600 - US History: America through the History of Race (3)

GE-Human Culture: US History/Government/Human Diversity Why does race still matter in America? What is the legacy of slavery? Why did policies toward Native peoples lead to reservations? Was America ever a melting pot? You will explore how race, ethnicity, and migration shaped the past and continue to shape our present.

HIST 11700 - US History: American Military History through World War II (3)

GE-Human Culture: US History/Government Study the role of the military in American life during war and peace from colonial times through World War II. You will explore the tactical, strategic, political, economic, social contexts, and technological developments and how they are important to understanding the causes, conduct, and consequences of war.

HIST 11701 - US History: American Military History since 1941 (3)

GE-Human Culture: US History/Government Study the role of the military in American life during war and peace from 1941 to the present. You will explore the tactical, strategic, political, economic, social contexts, and technological developments and how they are important to

understanding the causes, conduct, and consequences of war.

HIST 11800 - US History: The History of Food (3)

GE-Human Culture: US History/Government Food is more than sustenance--it is our culture. The foods you eat, the ways you prepare them, and their availability provide a window into the culture of the people growing, making, shipping, and consuming what you eat. In this course, you might (literally) eat your homework as you learn how what we eat has changed over time.

HIST 11900 - US History: The History of Death and Mourning (3)

GE-Human Culture: US History/Government They say that death is the great equalizer. But what do our approaches to death say about our history? How do war, religion, urbanization, and industrialization intersect in the "cities of the dead"? You will explore the ways Americans have commemorated and thought about cemeteries and mourning practices to better understand the history of the United States.

HIST 12000 - US History: America through Sport (3)

GE-Human Culture: US History/Government Discover how the history of American sport mirrors the history of America. Your journey starts in colonial times and ends in the present. You will examine sport in the political, economic, social and cultural life of the nation.

HIST 12100 - US History: The 1960s (3)

GE-Human Culture: US History/Government In this course, you will examine political, social, racial, and cultural changes to the United States in the turbulent decade of the 1960s. It will begin by describing the consensus that existed in the 1950s and will then explore such topics as the civil rights movement, the women's movement, the expansion of the welfare state, the war in Vietnam, and the growth of a counterculture. This course seeks to encourage critical thinking about the many sources we will examine.

HIST 15500 - US Government: Politics and History (3)

GE-Human Culture: US History/Government Explore the form, function, and growth of the United States government from its beginnings to today. You will learn how the US government has changed over time to become the government we live with today. You will also get an overview of the constitution as you figure out how our government actually works.

HIST 20100 - Historical Methods (3)

This class examines the tools and techniques of historical writing and interpretation of history and acts as an introduction to historical methods, source problems, bibliographical aids, source criticism, and use of related techniques. The nature and sources of primary and secondary evidence, as well as historical discourse, will also be examined and utilized in the papers produced for the course.

Prerequisite: ENGL 15000 with a C or better. Offered: Fall/Spring.

HIST 24200 - History of Modern Europe (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course covers European history from the end of the French Revolution to World War II.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall/Spring.

HIST 24400 - The Nazi State (3)**GE-Human Culture: Foreign Culture/Human**

Diversity How did a group of people with ideas that were considered extreme come to power in a civilized country? How did they overthrow the political system itself? How did they drag much of the world into a war that few people wanted? Hermann Goering asserted that "It is the leaders of a country who determine the policy, and it is always a simple matter to drag the people along....All you have to do is tell them they are being attacked, and denounce the pacifists for lack of patriotism and exposing the country to danger. It works the same in every country." You will consider this and more as you study the history of the Nazi state and how their past affects Germany today.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Spring.

HIST 24500 - History of the British Isles (3)**GE-Human Culture: Foreign Culture/Human**

Diversity Did King Arthur really live? Where did the form of government valued by much of the world today come from? How did a small island come to be master of the world? In this course you will trace the political, social, and economic evolution of the British Isles, especially England and Scotland.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Spring.

HIST 26000 - Modern Middle East History (3)**GE-Human Culture: World History/Human**

Diversity Many people think they know what the Middle East is like, but the truth is often far more interesting and surprising than the stereotypes! In this course, you will explore the major developments that shaped the Middle East and the daily lives of the people who call it home. Reading a variety of sources from the Middle East and interpreting them against popular representations of the region in world media will strengthen your critical thinking

skills and make you a more thoughtful observer of the Middle East as well as a more responsible global citizen.

Prerequisite: ENGL 15000 with a C or better. Offered: Fall/Spring/Summer.

HIST 26100 - History of the Contemporary World (3)**GE-Human Culture: World History/Human**

Diversity This course studies the history of the world since 1945, the end of World War II. It focuses on the post-1945 super-power rivalry, decolonization, the collapse of European communism, and revolution in the Third World. Areas of emphasis include globalization, terrorism, revolutions, the Indochinese wars, Middle East conflicts, and the origins of the 21st-century world. The course may be taken for honors credit with the instructor's consent.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall/Spring.

HIST 26300 - History of Latin America (3)**GE-Human Culture: Foreign Culture/Human**

Diversity Who is Latin American? What is Latin America? And why should those of us in the United States care? In this class, you will examine the history of Latin America to understand the diverse racial, cultural, gendered, and national experiences that shape Latin America today as you examine the region's importance to the U.S.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall.

HIST 26400 - History of Asia (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This survey explores the history of South, Southeast, and East Asia from the earliest times to the present.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Spring.

HIST 28000-28099 - Selected Topics (3)

This course is a study of a specific topic, time period, geographical area, or civilization. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic and will be noted in the course schedule.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

HIST 28100-28199 - Selected Topics (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course is a study of a specific topic, time period, geographical area, or civilization. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic and will be noted in the course schedule.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment.

HIST 30100 - Applied History (3-6)

This course is designed to provide students with opportunities to practically apply historians' skills on projects with campus-related collections including the museum, archives, and the Boone site. May be repeated for additional credit if taken under a different topic.

Prerequisite: HIST 20100; junior standing. Offered: Fall/Spring.

HIST 30200 - Public History (3)

This course is designed to introduce history majors, prospective history majors, and other interested undergraduates to career possibilities in public history. The course studies the various ways in which historians work outside the classroom in arenas that allow their work to be read, seen, heard, and interpreted by popular audiences. This course will focus on five different but related areas: archives, museums, historic preservation, historic sites, and media. Students will study the history of each of these areas, the theories that support them, and some aspects of the work involved. In addition, students will study controversies and ethical problems that public historians have faced. Not open to students with credit in AST 30200.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall.

HIST 32000 - America: The Search for a More Perfect Union (3)

GE-Human Culture: US History/Government This class will give students an overview of the evolution of events, ideas, and trends as Americans in the nineteenth century sought to fulfill the Constitutional promise of creating "a more perfect union." Through documents, laws, literature, speeches, and visual culture students will explore the development of the ideas and events that shaped the United States of the twentieth—and twenty-first—centuries.

Prerequisite: ENGL 17000 with a C or better. Cross-Listed as: AST 32000.

HIST 32100 - The Origins of the United States to 1800 (3)

This class is a one-semester survey of North America from its pre-Columbian origins to the election of 1800. It will focus on the creation of British North America, the development of slavery, US political institutions, the Revolution, and the formation of the American Republic.

Prerequisite: ENGL 17000 with a C or better; junior standing.

HIST 32200 - The Age of Jackson (3)

When he won the election of 1828, Andrew Jackson rose as an emblem of the age. The era in which Jackson lived was one of change in America, a transformation from the days of the founding fathers that was marked by revolutions in industry and transportation, westward expansion, the emergence of a new political and partisan order, and new calls for reforms in the social and political

order. This course will examine the period in American history that bears the name of the seventh president, the reasons Jackson became such a symbol of the period, and the issues and events leading to the era we call the Age of Jackson and its aftermath.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 32300 - The Civil War and Its Legacies (3)

Perhaps no event in American history was more pivotal than the Civil War. In this course, you will use primary and secondary sources to explore and understand not only the war, but also its cause and lasting legacies shaping our own United States.

Prerequisite: ENGL 17000 with a C or better; HIST 20100; junior standing.

HIST 32400 - The Growth of Modern America, 1877-1914 (3)

This course spans American history from the end of Reconstruction (1877) to 1914. Its main focus is on the social, political, economic, and cultural aspects of the period with particular emphasis on the role of the period in shaping modern-day America. This course utilizes the period to examine the development and impact of industrialization, urbanization, technology, and transportation on the United States; the rise of consumer culture; changing ideologies; and reform movements.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 32500 - Social Movements in 20th Century America (3)

America has a long history of social movements as ordinary people worked collectively for causes they believed in like voting, labor unions, civil rights, or civil liberties. This course examines how social movements transformed 20th century America, especially challenging issues concerning gender, labor, race, and ethnicity. We compare and contrast the ideological, historical, political, and economic origins of selected movements. We study tactics, responses from the general public, politicians, and the media, and the effects of the resulting changes.

Prerequisite: ENGL 17000 with a C or better; HIST 20100; junior standing.

HIST 32600 - The United States in the Age of the Cold War (3)

This course will explore the history of the United States from 1945 to 1990. It will focus not only on the expanding conflict with the Soviet Union but also with domestic developments during the post-World War II period. Topics will include the Korean and Vietnam Wars, the Civil Rights Movement, the Arms and Space Races, the Great Society and the fall of the U.S.S.R.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 33100 - History of Gender in America (3)

This course is a one semester study of gender in the development of the US from the colonial period to the present. Students will consider both how the environment shaped the role of gender and how gender has influenced America.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 33200 - A Biography of the Constitution (3)

This course is a one semester study of the development of US and British political and constitutional thought from their British origins to the present and will focus on the development of both constitutions and the development and shifts in political philosophies.

Prerequisite: ENGL 17000 with a C or better; junior standing.

HIST 33300 - The American West 1830-1960 (3)

This course traces the transformation of the American West and how the realities and myths of westward movement shaped us as a nation from the 1830s through World War II. We will explore the clashes of culture with each wave of migration into the trans-Mississippi West along with the role and effects of the environment in western development.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Fall.

HIST 33400 - History of Racism in America (3)

The United States remains a nation of peoples from different races, ethnic groups, and nationalities whose cultural backgrounds and American responses to them have shaped the nation's history and culture. The course will focus on the role and experiences of African-Americans, American Indians, Hispanics, immigrants, and Asians to gain a greater understanding of the ideas, traditions, and events that have shaped the ways people of different backgrounds live in America.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Fall.

HIST 34200 - The Civilization of Industrialism (3)

GE-Human Culture: Foreign Culture/Human

Diversity What happens when the economy changes? Who wins? Who loses? What happens to the losers? How do the winners react to their new status and economic clout? In this course you will follow the changes that came to peoples' lives as the industrial revolution changed the economy, society, and politics in the 18th and 19th centuries in Great Britain and elsewhere.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Fall.

HIST 34300 - The Soviet Union and European Communism (3)

What was the Soviet Union? What did the Communists want to do there? How and why did it all fall apart? You will answer all of these questions and more as you study the history of the Soviet Union, from the experiences of the Soviet peoples to the impact that the rise to power of the Communists had on the world outside of the Soviet Union.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Fall.

HIST 36200 - Slavery and Capitalism across the Atlantic (3)

GE-Human Culture: World History/Human

Diversity What is the Atlantic world? Who made it? In this class, you will answer these questions by examining the political, social, economic, and cultural interactions among the people of Africa, the Americas, and Europe since 1400. Themes include slavery and abolition, the origins of modern racism, European colonialism in the Americas and Africa, and the history of capitalism.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 36300 - Revolution in the Modern World (3)

GE-Human Culture: World History/Human

Diversity Why do people revolt? Why have so many people across the globe turned to communism? In this seminar, you will examine the history of revolutionary thought and practice beginning with the American Revolution. We will discuss revolutions in the United States, Latin America, Europe, Africa, and Asia.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Spring.

HIST 36400 - Migration in World History (3)

Much of our world's history is the history of people on the move. Migration shapes the lives of those on the move and those they settle among or encounter along the way. In this research seminar, you will explore the major historiographical trends that relate to this topic and conduct original research on a specific topic of your choosing within the field of migration history.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment; HIST 20100; junior standing. Offered: Fall/Spring/Summer.

HIST 36500 - Jews in the Modern World (3)

Few peoples have attracted as much interest, admiration, hate, and curiosity in the modern age as the Jews. A global diaspora, the Jews of the world have defined and expressed their Jewishness in myriad ways. In this course, you will explore historical transformations of Jewish life around the globe during the past three centuries. Reading a variety of sources, you will critically analyze major themes in global Jewish history such as migration, modernization, religious practices and reforms, and political movements and

examine their manifestation in different cultural and political settings around the world.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall/Spring/Summer.

HIST 36600 - Islam from the Prophet to the Present (3)

Islam Matters in the world today, as any casual observer of the news well knows. However, there is much disagreement on what Islam is and why it matters, thus, it matters also how Islam is understood... and misunderstood. Since the Islamic conquests of fourteen centuries ago, Islam has shaped world history and been shaped by it. In this course, you will explore Islam's story, examine the different ways of telling that story, and interpret sources from various points in Islamic history to better understand what Islam is and its global significance.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment. Offered: Fall/Spring/Summer.

HIST 38000-38099 - Selected Topics (3)

This course is a concentrated study of a specific topic, time period, geographical area, or civilization. May be repeated for additional credit if taken under a different topic.

Prerequisite: ENGL 17000 with a C or better.

HIST 38100-38199 - Selected Topics (3)

GE-Human Culture: Foreign Culture/Human

Diversity This course is a concentrated study of a specific topic, time period, geographical area, or civilization. May be repeated for additional credit if taken under a different topic.

Prerequisite: ENGL 17000 with a C or better.

HIST 40100 - History Internship (3-6)

This course provides students with opportunities to practically apply historians' skills in the work world. Students will be exposed to a range of professional opportunities including museums, archives, and historical sites. May be repeated for credit.

Prerequisite: HIST 20100; junior standing; and minimum 3.0 GPA. Offered: Fall/Spring.

HIST 48100 - Senior Seminar in History (3)

Students will demonstrate mastery of the techniques of historical writing and interpretation including research and critical examination of resources, understanding of the uses of primary and secondary sources, and historical discourse through effective communication.

Prerequisite: HIST 20100; HIST 32400 or HIST 32500; history program of study; junior standing. Offered: Intermittently.

HM - Health Management

HM 30100 - Ethical Issues in Healthcare Management (3)

Issues and problems that arise within the healthcare field will be reviewed and discussed. Lab fee may be required.

Prerequisite: ENGL 17000.

HM 30200 - Healthcare Management (3)

This course examines the development of the understanding of healthcare organizations and the decision-making skills required in management positions. The origins and functions of various health systems in the U.S. are reviewed and discussed. Lab fee may be required.

Prerequisite: ENGL 17000.

HM 31010 - Healthcare Financial Management (3)

This course introduces health management students to the information framework used by healthcare organizations to collect, maintain, and report financial information. Special emphasis will be given to transaction analysis and the resulting effect on the accounting equation. Financial statement analysis and the differences between for-profit and not-for-profit healthcare organizations will be stressed. Lab fee may be required.

Prerequisite: ACCT 21010; FIN 32000.

HM 32000 - Healthcare Finance and Economics (3)

This course examines the economics of healthcare, the differences between the healthcare marketplace and other industries, and the various financing mechanisms/organizing principles and their histories in the healthcare marketplace like Medicare, Medicaid, and the Affordable Care Act. Lab fee may be required.

Prerequisite: ACCT 21010.

HM 33300 - Legal Issues in Healthcare (3)

This course begins with an extensive overview of the major issues in health law and continues with a broad discussion of the legal system and the sources of its statutory laws, rules, regulations, and guidelines. This course will include a basic review of tort law, criminal law, contract law, civil procedure, and trial practice. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better.

HM 44000 - Long-Term Care and Ethics (3)

This course focuses on the various institutions and financing mechanisms of long-term care at the state and federal levels. Topics will also include ethical issues that arise in the provision of long-term care such as end-of-life care and assisted suicide. Lab fee may be required.

Prerequisite: ENGL 17000.

HM 44100 - Social Policy in Gerontology (3)

This course focuses on the political forces that shape official policies toward aging in America at all levels of government, with emphasis on federal policies. Through the use of selected examples, the students will examine the

impact of political-vested interested in shaping the enactment and implementation of legislation for the elderly. Topics include retirement income, housing subsidies, age discrimination, the Older Americans Act, and state and local programs. Lab fee may be required.

Prerequisite: ENGL 17000.

HM 44200 - Multi-disciplinary Perspective in Gerontology (3)

This course will explore various “hot button” ethical practice issues that professionals and caregivers encounter in providing long-term care (LTC). Topics explored will include, but are not limited to, end-of-life preferences and preparation, intimacy and sexuality, autonomy, safety, cross cultural issues, and access to spiritual and religious practices. Lab fee may be required.

HM 44300 - Geriatric Assessment (3)

This course covers the evaluation of geriatric patients, both mentally and physically. Additionally, students will be introduced to management strategies of the healthcare maintenance needs of geriatric patients. Lab fee may be required.

Prerequisite: HM 44000; HM 44100; HM 44200.

HM 44400 - Community Resources for Gerontology (3)

This course introduces students to resources available to practitioners and caregivers on such issues as healthcare benefits, elder abuse, long-term care, housing, mental health, transportation, volunteer and intergenerational programs education, employment, nutrition, and wellness in the elderly. Lab fee may be required.

Prerequisite: HM 44000; HM 44100; HM 44200.

HM 46000 - Healthcare Delivery, Policy and Research (3)

Students are challenged to understand the dynamics of the healthcare industry and the impact that it has on the nation's and world's economy. Students will identify the health policies that have impacted healthcare delivery past and present and the current state of the health environment. Students will be required to identify and define policies that are currently under consideration in Congress and what the future impact will be on the healthcare organizations. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better.

HM 48700 - Contemporary and Critical Issues in Healthcare Management (3)

This course represents an expansion of the current three-hour capstone course and will address extant issues in the healthcare industry that may affect healthcare management. Topics to be covered include the Affordable Care Act (and periodic updates/roll-outs), Medicaid expansion, Medicare rule changes, physician/hospital relationships, and the provision of care to those without

any insurance. Topics will be added according to changes in healthcare. Lab fee may be required.

Prerequisite: ENGL 17000, HM 31010, HM 33300 all with a C or better.

HM 48900 - Health Management Capstone (3)

This course culminates the undergraduate student's educational experience in becoming a highly effective healthcare supervisor or manager and serves to synthesize and integrates the student's educational experience while analyzing the practices and problems confronting today's healthcare managers. Lab fee may be required.

Prerequisite: HM 31010; HM 33300; senior standing.

HM 48995 - Health Management Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. Only three credit hours will count towards the Health Management Major core requirements. May be repeated for a maximum of 9 credit hours. This course is graded on a Pass/Fail basis.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

HRM - Human Resource Management

HRM 31200-31299 - Directed Studies in Human Resources (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

HRM 36510 - Human Resource Management (3)

This course examines human resource functions related to business organizations, including job descriptions, recruiting and selecting, training and development, performance management, compensation, labor management relations, and strategic planning. Lab fee may be required.

Prerequisite: ENGL 17000 and MGMT 26032 with a C or better; MGMT 26032 may be taken concurrently with HRM 36510. Offered: Fall/Spring.

HRM 36520 - Labor Relations (3)

This introductory course in labor relations covers labor history, legal foundations, growth of unions, certification, governmental roles, legal issues, collective bargaining,

contracts, work stoppages, decertification, protected activity, worker-employer rights, grievance administration, NLRB role, and major labor acts. Lab fee may be required.

Prerequisite: HRM 36510 or MGMT 26032. Offered: Fall.

HRM 36530 - Employee Training and Development (3)

This course is a specialized study of training in organizations, including needs analysis, learning theory, management development, and development of training objectives and programs. Methods of field-based research techniques and evaluation of training programs are included. Projects and exercises supplement readings. Lab fee may be required.

Prerequisite: ENGL 17000 and HRM 36510 with a C or better; HRM 36510 may be taken concurrently with HRM 36530.

HRM 36535 - Talent Management (3)

This course covers talent valuation, needs analysis, acquisition, selection, on-boarding, coaching, skill development, training, succession planning, performance management, talent tracking, and leadership development, along with the mechanics of training plans, program design, training methods, and evaluation. Lab fee may be required.

Prerequisite: ENGL 17000 and MGMT 26032 with a C or better; MGMT 26032 may be taken concurrently with HRM 36535.

HRM 36540 - Employment Law (3)

This course examines basic law as it applies to personnel situations. Students study equal employment, affirmative action, employment-at-will, constructive and unlawful discharge, wage and hours issues, mandatory benefits, workers compensation, protected classes, disability issues, workplace accommodation, and record-keeping requirements. Lab fee may be required.

Prerequisite: ENGL 17000 and MGMT 26032 with a C or better; MGMT 26032 may be taken concurrently with HRM 36540. Offered: Fall/Spring.

HRM 36545 - Employee Selection (3)

This course covers employee hiring and selection, talent valuation, needs analysis, acquisition, selection, on-boarding, coaching, skill development, training, succession planning, performance management, talent tracking, and leadership development, along with the mechanics of training plans, program design, training methods, and evaluation. Lab fee may be required.

Prerequisite: ENGL 17000 and HRM 36510 with a C or better. HRM 36510 may be taken concurrently with HRM 36545.

HRM 36550 - Compensation and Benefits (3)

This course is an examination of pay structures, pay systems, parity, comparable worth, the relationship between pay and performance, internal and external equity,

executive pay, benefits, and legal issues. Lab fee may be required.

Prerequisite: ENGL 17000 and MGMT 26032 with a C or better. Offered: Fall.

HRM 36560 - Implementing and Managing Diversity (3)

This course aims to increase the awareness and dimension of diversity in the work place. Areas of study will include the value of diversity and communicating its importance in the work place, the changing organization, strategies for implementing diversity, and managing a diverse organization. Lab fee may be required.

Prerequisite: ENGL 17000.

HRM 36570 - Human Resource Information Systems (3)

Topics covered in this course include the evolution of Human Resources and Information Systems, needs and types of HR information systems, the functionality of the HRIS manager, database management concepts, system planning, and integration. Additional topics include organizational needs assessment, system design, and cost management. An emphasis on project management themes based upon needs assessment will include real-world case studies and problem-solving exercises. The course will conclude with specific HRIS applications to the HR business competencies in staffing, applicant tracking, performance management, compensation and benefits, and employee self-service. Lab fee may be required.

Prerequisite: HRM 36510; MTH 14100 or MTH 24100. Offered: Fall/Spring/Summer.

HRM 39000-39999 - Special Topics in Human Resource Management (1-3)

HRM 41200-41299 - Directed Studies in Human Resources (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

HRM 46595 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a

cumulative GPA of 3.0 in all completed degree courses.
Offered: Fall/Spring.

HRM 46596 - Internship II (1-6)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: HRM 46595 with a P; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses.

HRM 46599 - Human Resource Management Capstone (3)

This is the capstone class for student completing a major in human resource management. The course includes a comprehensive review of HR topics, paired with application and analysis of such topics, including talent management and workforce planning, strategy, training and development, total rewards, employment law, and employee and labor relations. Lab fee may be required.

Prerequisite: HRM 36510 and senior standing. Offered: Spring.

HRM 49000-49999 - Special Topics in Human Resource Management (1-3)

HS - Health Sciences

HS 20000 - Introduction to the Caring Health and Wellness Professions (3)

This non-clinical course introduces students to caring professions with primary focus on the nursing field. The course introduces students to professional caring roles and explores the identity, values, philosophy, standards, and challenges that define professional practice. Students are exposed to the history of and trends in professional nursing and related caring professions. This includes the various roles, methods, and philosophical basis for knowledge and skills acquisition; the role of critical thinking and application of evidence-based principles; beginning development of professional solid communication skills; information literacy; and the development and delivery of professional care.

HS 21000 - Comparative Health Systems (3)

GE-Human Culture: Foreign Culture/Human Diversity This course uses comparative analysis of health care systems to gain a better understanding of health care systems in several high-income, middle-income and low-income countries. It presents an analyses of health service

delivery from an international perspective comparing to US and other global systems. The course addresses health, equity/inequity, and influence of globalization. Health and illness will be discussed in relation to statistical, historic, economic, and socio-cultural phenomena.

Offered: Fall/Spring.

HS 22000 - Medication Dosage Calculation (1)

This class introduces you to medication dosage calculations. Together, we will explore basic to detailed dosage calculations which will accompany your practice as a healthcare professional. Dosage calculation includes reading, interpreting, and solving calculation and other problems encountered when administering medications or fluids. Mastering drug calculations is an essential skill for today's health care practitioner and is crucial to maintaining patient safety and improving patient outcomes.

Prerequisite: MTH 11000 or MTH 15100.

ICS - Cybersecurity

ICS 19900-19999 - Special Topics and Independent Study Courses in Cybersecurity (1-6)

Lab fee may be required.

ICS 21300 - Foundations of Information Technology (3)

This course will give students foundational knowledge in the Principles of Information Systems topics that will provide insights into the challenging and changing role of the IS professional and will provide a set of core IS principles and concepts that prepare students to function more efficiently and effectively as leaders in the Information Technology industry. Therefore developing a solid foundation for further study in more advanced IS courses such as programming, systems analysis and design, project management, database management, information system security, big data and analytics. Lab fee may be required.

Offered: Fall/Spring/Summer.

ICS 21400 - Foundations of Networking (3)

This course will give students foundational knowledge in cybersecurity. Topics covered will include the topics tested in the CompTIA Network+ certification. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. Lab fee may be required.

Corequisite: ICS 21300. Offered: Fall/Spring/Summer.

ICS 29900-29999 - Special Topics and Independent Study Courses in Cybersecurity (1-6)

Lab fee may be required.

ICS 31000 - Foundations of Cybersecurity (3)

This course will give students foundational knowledge in cybersecurity. Topics covered will include the topics tested in the CompTIA Security+ certification. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. Lab fee may be required.

Prerequisite: ICS 21300; ICS 21400. Offered: Fall/Spring/Summer.

ICS 31100 - Cisco V-Implementing Cisco Security (5)

This course covers the knowledge of secure Cisco network infrastructure, understanding core security concepts, managing secure access, VPN encryption, firewalls, intrusion prevention, web and email content security, and endpoint security. This exam validates skills for installation, troubleshooting, and monitoring of a secure network to maintain integrity, confidentiality, and availability of data and devices. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 32500; ICS 32600.

ICS 31200 - Cisco VI-Network Infrastructure Design (5)

This course requires a foundation or apprentice knowledge of network design for enterprise network architectures. Students will design routed and switched network infrastructures and services involving LAN/WAN technologies for SMB or basic enterprise campus and branch networks. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 32500; ICS 32600.

ICS 32300 - Cisco I-Introduction to Networks (5)

This course is the first of two courses which covers the knowledge and skills required to successfully install, operate, and troubleshoot a small branch office network. The course includes topics on the Operation of IP Data Networks; LAN Switching Technologies; IP Addressing (IPv4 & IPv6); IP Routing Technologies; IP Services (DHCP, NAT, ACLs); Network Device Security; Basic

Troubleshooting. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 43400. Offered: Fall.

ICS 32301 - Introduction to Networks Lab (1)

This lab course will give students practical experience to support the learning objectives taught in ICS 32300 Cisco I – Introduction to Networks. Students will practice skills, either virtually online or hands-on, required to successfully install, operate, and troubleshoot a small branch office network. Lab fee may be required.

Prerequisite: ICS 43400. Corequisite: ICS 32300. Offered: Fall.

ICS 32400 - Cisco II-Routing and Switching Essentials (5)

This course is the second of two courses which covers the knowledge and skills required to successfully install, operate, and troubleshoot a small branch office network. The course includes topics on the Operation of IP Data Networks; LAN Switching Technologies; IP Addressing (IPv4 & IPv6); IP Routing Technologies; IP Services (DHCP, NAT, ACLs); Network Device Security; Basic Troubleshooting. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 32300. Offered: Fall.

ICS 32401 - Routing and Switching Lab (1)

This lab course will give students practical experience to support the learning objectives taught in ICS 32400 Cisco II – Routing and Switching Essentials. Students will practice skills, either virtually online or hands-on, required to successfully configure and troubleshoot switches and routers in a small branch office network. Lab fee may be required.

Prerequisite: ICS 32300. Corequisite: ICS 32400. Offered: Fall.

ICS 32500 - Cisco III-Scaling Networks (5)

This course is the first of two courses which covers the knowledge and skills required to successfully install, operate, and troubleshoot a small to medium-size enterprise branch network. The course includes topics on

LAN switching technologies, IP routing technologies, IP services (FHRP, syslog, SNMP v2 and v3), troubleshooting, and WAN technologies. Extra study and experience may be required outside of the course work to prepare the student to pass the examination. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 32400. Offered: Spring.

ICS 32501 - Scaling Networks Lab (1)

This lab course will give students practical experience to support the learning objectives taught in ICS 32500 Cisco III – Scaling Networks. Students will practice skills, either virtually online or hands-on, required to successfully work with LAN switching technologies, IP routing technologies, IP services (FHRP, syslog, SNMP v2 and v3), troubleshooting, and WAN technologies. Lab fee may be required.

Prerequisite: ICS 32400. Corequisite: ICS 32500. Offered: Spring.

ICS 32600 - Cisco IV-Connecting Networks (5)

This course is the second of two courses which covers the knowledge and skills required to successfully install, operate, and troubleshoot a small to medium-size enterprise branch network. The course includes topics on LAN switching technologies, IP routing technologies, IP services (FHRP, syslog, SNMP v2 and v3), troubleshooting, and WAN technologies. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the Cisco examination. Taking this course alone does not guarantee the student will pass the Cisco examination. Lab fee may be required.

Prerequisite: ICS 32500. Offered: Spring.

ICS 32601 - Connecting Networks Lab (1)

This lab course will give students practical experience to support the learning objectives taught in ICS 32600 Cisco IV – Connecting Networks. Students will practice skills, either virtually online or hands-on, required to successfully configure and troubleshoot LAN, WAN, IP routing, and IP services (FHRP, syslog, SNMP v2 and v3). Lab fee may be required.

Prerequisite: ICS 32500. Corequisite: ICS 32600. Offered: Spring.

ICS 32700 - Network and Cloud Security (3)

This course provides students with insights into securing enterprise networks including the cloud. Basic techniques and tools for securing a network and the cloud will be explored. Physical security, data security, and specific network and cloud security concerns and vulnerabilities, as well as security best practices, will be explored. Lab fee may be required.

Prerequisite: ICS 21400; ICS 31000; IIT 22000; MTH 14100. Offered: Fall/Spring/Summer.

ICS 32800 - Digital Forensics and Cyber Investigation (3)

This course focuses on the use of the most popular forensics tools and provides specific guidance on dealing with civil and criminal matters relating to the law and technology. The course will include discussions on how to manage a digital forensics operation in today's business environment. Some topics covered includes, Data Acquisition, Live Acquisitions, E-Mails and Social Media Investigations. Lab fee may be required.

Prerequisite: ICS 32700. Offered: Fall/Spring/Summer.

ICS 39900-39999 - Special Topics and Independent Study Courses in Cybersecurity (1-6)

Lab fee may be required.

ICS 41200 - Linux Server Installation & Configuration (3)

This course will give students intermediate knowledge related to installation and configuration of Linux Server. Topics covered will include the topics tested in the CompTIA Linux+ certification. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. Lab fee may be required.

Prerequisite: ICS 21300; MTH 14100; and one of CSC 35500 or IIT 22000. Offered: Fall/Spring/Summer.

ICS 41500 - Cloud Computing Essentials and Best Practices (3)

This course will give students intermediate knowledge related to fundamental, vendor-independent cloud computing concepts. The topics covered will include the topics tested in certification examinations currently in use (such as the CompTIA Cloud+ certification examination). This course prepares the student to be a practitioner in the field of cloud computing. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. A lab fee may be required.

Prerequisite: ICS 21300; IIT 22000; MTH 14100.

ICS 41700 - Hybrid Cloud Architecture and Management (3)

This course will give students intermediate knowledge related to administering and integrating on-premises server technologies. The topics covered will include those tested by industry-backed certification exams. This course prepares the student to be a practitioner in the infrastructure field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. A lab fee may be required.

Prerequisite: ICS 41500.

ICS 42100 - Ethical Hacking (3)

This course will introduce students to computer incident response and computer forensics. Topics covered will include the topics tested in the EC Council Certified Ethical hacker certification. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course alone does not guarantee the student will pass the certification examination. Lab fee may be required.

Prerequisite: CSC 45500 or ICS 32700. Offered: Fall/Spring/Summer.

ICS 42300 - Advanced Penetration Testing (3)

This course educates students in the specific security discipline of computer forensics from a vendor-neutral perspective. Topics covered will include the topics tested in the EC Council Certified Ethical Hacker certification. This course prepares the student to be a practitioner in the network field of Information Technology. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course alone does not guarantee the student will pass the certification examination. Lab fee may be required.

Prerequisite: ICS 42100.

ICS 42400 - Cybersecurity Analysis (3)

This course will give students intermediate knowledge related to the skills necessary to successfully perform the duties of a security analyst. Topics covered will include the topics tested in the EC Council Certified Security Analyst certification. Extra study and experience may be required outside of the course work to prepare the student to pass the certification examination. Taking this course does not guarantee the student will pass the certification examination. Lab fee may be required.

Prerequisite: ICS 42100. Offered: Fall/Spring/Summer.

ICS 43200 - Secure Software Development (3)

This course exposes students to the concept of secure software development by teaching them the methods, techniques, and tools within software development relating to cybersecurity and how they are used to develop software securely. Specific application security configuration techniques and security concepts applicable to each phase of the Software Development Life Cycle (SDLC) will be explored. Security testing and the role of project management in ensuring secure software development will be studied. Lab fee may be required.

Prerequisite: ICS 31000; MTH 14100; and one of CSC 10011, CSC 24400, IIT 21500. Offered: Fall/Spring/Summer.

ICS 43300 - Web Based Application Security (3)

This course covers the techniques and tools for developing, implementing, managing, and/or protecting web applications. Students will study web safety and browser vulnerabilities, privacy concerns, and other web related security issues and concerns. Students will explore how to avoid vulnerabilities in web applications and the tools used to program web application servers. Finally, students will be introduced to the Open Web Application Security Project (OWASP) and its top 10 vulnerabilities. Lab fee may be required.

Prerequisite: ICS 32700; one of CSC 10011 or IIT 21500. Offered: Fall/Spring/Summer.

ICS 43400 - Network Management (3)

This course introduces students to the concepts and tools related to management of computer networks. Different standards, architectures, systems, and tools for network management will be explored and students will learn about the five functional areas of network management, which include fault management, configuration management, accounting management, performance management, and security (FCAPS). Lab fee may be required.

Prerequisite: ICS 21400; MTH 14100. Offered: Fall/Spring/Summer.

ICS 48900 - Cybersecurity Capstone (3)

This course will be a culminating project course for the student's degree program. The instructor will act as a mentor to guide students through the completion of a portfolio, or other project documents, or an internship that will demonstrate their successful completion of the goals of the degree. Lab fee may be required.

Prerequisite: Must be taken upon completion of all cybersecurity coursework or concurrent with last course. Offered: Fall/Spring.

ICS 49200-49699 - Special Topics and Independent Study Courses in Cybersecurity (1-6)

Lab fee may be required.

IIT - Information Technology

IIT 10000 - Computer Literacy (3)

This course will introduce students to basic computer terminology and computer usage. Topics will include discussion of computer hardware and software components, user functions, file storage and organization, application usage, the Internet, and information security. This course requires lab time outside of class meeting times.

IIT 19900-19999 - Special Topics in Information Technology (1-6)

IIT 21500 - Programming Logic and Design (3)

This course will introduce students to computer programming concepts and approaches to computer logic. A popular programming language will be used to demonstrate these concepts. Lab fee may be required.

Prerequisite: ICS 21300; MTH 11000 or passing the math placement test. Offered: Fall/Spring/Summer.

IIT 21800 - C# Application Development (3)

This course provides an introduction to programming using the C# language. Emphasis is placed upon the development of correct, efficient programs that are easy to maintain.

Offered: Fall/Spring/Summer.

IIT 22000 - Hardware and Operating Systems (3)

This course introduces students to computer operating systems and hardware and the interactions between these two critical components of the functioning and architecture of computers. Common operating systems and hardware issues that could affect the function of computers and how to address them will be analyzed. Additionally, students will learn about different operating systems and how to install and configure them with special attention to security issues, embedded tools and features to ensure security of hardware and operating systems. Lab fee may be required.

Prerequisite: ICS 21300. Offered: Fall/Spring/Summer.

IIT 29900-29999 - Special Topics in Information Technology (1-6)

Lab fee may be required.

IIT 31400 - Agile Software Development (3)

This course will introduce to students the introduction of software development methodologies based development, requirements and collaboration between self-organizing cross-functional teams. Lab fee may be required.

Prerequisite: ICS 21300. Offered: Fall/Spring/Summer.

IIT 31500 - Java Application Development (3)

This course is designed to give students an introduction to Java programming language. Emphasis will be placed on structure, syntax and fundamentals of Java for applications.

Prerequisite: IIT 21500; IIT 21800; IIT 31900.

IIT 31600 - Advanced C# Application (3)

This course provides an advanced approach to programming using C# language. This course will examine a number of advanced features of the C# programming language.

Prerequisite: IIT 21500; IIT 21800; IIT 31900.

IIT 31900 - Software Development (3)

This course is designed to give the student an introduction to automated testing techniques. Emphasis is placed on course development.

IIT 32100 - Networking Essentials (3)

This class will introduce the student to the basics of designing and implementing a modern computer network. It will include an introduction to the elements of the OSI model, protocols, basic network architectures, and requisite basic hardware.

IIT 32200 - Network Applications (3)

This course is an introduction to computer networks and network operating systems. In series of short, practical problems, students will evaluate, troubleshoot, research, and resolve real-world networking situations. These problems will include operational difficulties, disaster recovery policies and procedures, network maintenance, and end-user training issues.

IIT 32300 - Network Implementation-A Case Study and Simulation (3)

In this class, the students (working in small groups) will design (or modify) a network for a small business or home office. Working within an assigned budget, the group will research requisite equipment, define the network architecture, and present a proposal for implementation that includes a time-line, labor costs, and guidelines for training and ongoing support.

IIT 33100 - Project Cost and Schedule Estimating (3)

This course is an introduction to the theory and applications of Project Cost and Schedule Estimating including life cycle cost, staffing profiles, GUI and object metrics, cost by phase and activity, lines of code, and project risks.

IIT 33200 - Fundamentals of Cybersecurity (3)

This course will introduce students to the fundamentals of network security, compliance and operational security, threats and vulnerabilities, application data and host security, access control and identity management, and cryptography.

IIT 33300 - Secure Social Interaction in a Digital World (3)

This course will explore social media and implications for personal and corporate security. Students will develop policy and procedure for the secure use of social media in enterprise.

IIT 33400 - Ethical Issues in Cybersecurity (3)

This course will discuss information technology law and ethics. Students will investigate real-world cases through a law and ethics filter. Students will develop a personal code of ethics for use as information technology professionals. Lab fee may be required.

Prerequisite: ICS 31000. Offered: Fall/Spring/Summer.

IIT 33500 - Blockchain Technology for Business (3)

This course discusses the invention of Bitcoin and blockchain technology. Blockchain is now entering the business world to enhance transparency, traceability, and efficiency in many areas. The uses for blockchain are just now being discovered and this course will explore the areas in which blockchain will enable businesses to compete in the global economy in the future. Lab fee may be required.

Prerequisite: CSC 10011 or IIT 21500. Offered: Fall/Spring/Summer.

IIT 34020 - Mobile Applications Programming (3)

This is an introductory hands-on course focused on the creation of web applications for deployment on multiple platforms such as personal computers, tablets, and smartphones. Topics will include connectivity, interface design, application architectures, and programming. Students will gain skills necessary to develop applications that utilize the unique hardware and communication capabilities of a variety of devices. This course is project based and will likely require extensive time commitment outside of class time. Lab fee may be required.

Prerequisite: IIT 47900. Offered: Fall/Spring/Summer.

IIT 34025 - Python Programming (3)

This is an introductory hands-on course focused for the use of web programming and providing working knowledge of the Python language. Students will learn the basic concepts of strings, variables, and getting to know data types, loops and conditions of Python.

IIT 34030 - Java Programming (3)

This course is designed to give the student advanced knowledge of the Java programming language. Emphasis will be placed on the fundamental syntax and semantics of Java for applications. Other topics covered will include variables; data types and expressions; control structures including branching and looping; programmer defined classes; arrays; Graphical User Interfaces; and database access. Lab fee required.

IIT 34040 - C++ Programming (3)

This course is designed to provide working knowledge of object oriented programming using C++. Students will learn the basic concepts of object-oriented programming (OOP) and object-oriented software design. The fundamental control structures of C and C++ will be presented. Students will also learn to build objects using classes, define operations on objects, and use predefined classes in C++.

IIT 34050 - C# Programming (3)

This course provides an introduction to programming using the C# language. Emphasis is placed upon the development of correct, efficient programs that are easy to maintain. Topics include problem analysis, program design, documentation, testing, and debugging. Basic features of the C# programming language are covered. Lab fee may be required.

Prerequisite: IIT 31400; MTH 14100. Offered: Fall/Spring/Summer.

IIT 35100 - Database Analysis and Design Concepts (3)

This course explains the components of a database system. It stresses data modeling, data normalization, and database design. Lab fee may be required.

Prerequisite: CSC 10011 or IIT 21500. Offered: Fall/Spring/Summer.

IIT 36600 - Fundamentals of Data Center Virtualization (3)

This course will cover the concepts of Data Center Virtualization, including virtual machines, storage, operations, and networking. Availability, scalability, optimization, and management challenges will be addressed. A common virtualization product will be used to demonstrate these challenges and their solutions. Lab fee may be required.

Prerequisite: ICS 21400; MTH 14100. Offered: Fall/Spring/Summer.

IIT 36700 - Fundamentals of Cloud Computing (3)

This course will provide students with a fundamental understanding of the business challenges can be resolved by cloud computing. Elasticity, efficiency, availability, and management challenges will be addressed. A common

virtualization product will be used to demonstrate these challenges and their solutions. Lab fee may be required.

Prerequisite: ICS 21400; MTH 14100. Offered: Fall/Spring/Summer.

IIT 37700 - Fundamentals of HTML (3)

This course will introduce development concepts as well as HTML/DHTML tags used to create Web pages. Interface design standards, e-Commerce trends, and Web security issues will be discussed. Lab fee may be required.

Prerequisite: CSC 10011 or IIT 21500. Offered: Fall/Spring/Summer.

IIT 37800 - Applications in Web Development (3)

This course will introduce procedures for developing and testing Web pages using the Microsoft Visual Studio. Other development environments will be explored and reasons for choosing one development environment over another will be discussed. Lab fee may be required.

Prerequisite: IIT 47700. Offered: Fall/Spring/Summer.

IIT 37900 - Applications in Website Publishing (3)

This course covers the techniques used to implement a website design and will examine the architecture, security, Web-hosting, and usability issues with developing Web-based applications for the World Wide Web.

Prerequisite: (IIT 21500; IIT 21800; IIT 31900) and (IIT 31400; IIT 31500; IIT 31600).

IIT 39900-39999 - Special Topics in Information Technology (1-6)

IIT 41000 - Systems Analysis and Design (3)

This course exposes students to the concepts of systems analysis and design. Students will study the techniques and tools that are used to analyze an organization's information systems, processes and procedures, and how to design new information systems to achieve organizational goals and objectives. Lab fee may be required.

Prerequisite: ICS 21300 and MTH 14100. Offered: Fall/Spring/Summer.

IIT 43200 - Project Management Process (3)

A course in the theory of project management involving planning, organizing, staffing, tracking, measurement, and evaluation. Topics include defining projects, developing networks, managing risk, scheduling resources; inter organizational relations, and international projects.

IIT 43300 - Cost and Scheduling Applications (3)

This course emphasizes problem-solving skills needed in project management. The student will be exposed to multiple cost and scheduling systems. Training and problem specific assignments will be given using Microsoft Project.

IIT 45200 - Database Application Implementation (3)

Students will develop a database in this course using Microsoft Office DBMS. The course will cover application design, object based implementation, and foundations of relational implementation. Lab fee may be required.

Prerequisite: IIT 35100 and MTH 14100. Offered: Fall/Spring/Summer.

IIT 45300 - Database Project Implementation (3)

Students will become familiar with Structured Query Language and SQL Server, embedding SQL in host languages, client server and related applications and distributed processing.

Prerequisite: IIT 21500; IIT 21800; IIT 31900.

IIT 47700 - Fundamentals of User Interface Design (3)

This course will introduce the steps involved with analysis and design of web based solutions. Project life cycle concepts will be presented and used as a guideline for the Web project. This course will also cover procedures for testing and debugging Web-based applications. Lab fee may be required.

Prerequisite: IIT 34050; IIT 37700; MTH 14100. Offered: Fall/Spring/Summer.

IIT 47800 - Applications in Object-Oriented Web Development (3)

This course will introduce object-based programming terminology and concepts. Programming principles will be presented in JavaScript, VBScript, and ASP.NET. Lab fee may be required.

Prerequisite: IIT 47700. Offered: Fall/Spring/Summer.

IIT 47900 - Applications in Multi-Tiered Web Programming (3)

This course will cover the techniques used to implement a multi-tiered Website design. This course will also examine the architecture and programming issues involved with developing distributed client/server applications for the World Wide Web. Lab fee may be required.

Prerequisite: IIT 47700, concurrent enrollment in IIT 47700, or IIT 47800. Offered: Fall/Spring/Summer.

IIT 48100 - Project Management in Information Technology (3)

A course in the theory of project management involving planning, organizing, staffing, tracking, measurement, and evaluation. Topics include defining projects, developing networks, managing risk, scheduling resources; inter-organizational relations, Agile methods and international projects. Lab fee may be required.

Prerequisite: ICS 21300. Offered: Fall/Spring/Summer.

IIT 48200 - Business Analysis in Information Technology (3)

This course provides an opportunity for anyone considering a career in business analysis and who has no prior BA experience to gain a comprehensive understanding of the business analyst role. Students will have the knowledge to perform effectively as an entry-level business analyst. In addition, the student will learn the real-world implications of the technologies as they are actually used in the current technological climate. This course prepares the student to be a practitioner in the network field of Information Technology.

IIT 48900 - Information Technology Capstone (3)

This course will be culminating project course for the student's degree program. The instructor will act as a mentor to guide the students through the completion of a portfolio or other project document that will demonstrate their successful completion of the goals of the degree. Must be taken upon completion of all information technology coursework or concurrent with last course. Lab fee may be required.

Offered: Fall/Spring.

IIT 49200-49699 - Special Topics in Information Technology (1-6)**IS - Interdisciplinary Studies****IS 31000 - Love and Sex (3)**

Love and Sex are important parts of most people's lives, but we don't often stop to think carefully about them and how they relate to each other. That's what this course is about. We'll look at sex and love from an interdisciplinary perspective, which means that we're going to look at it from multiple intellectual angles. These angles include things like evolutionary biology, neuropsychology, economics, social history, and philosophy. As a result, we'll come to better understand ourselves and our world, develop interdisciplinary habits of mind, and practice effective communication along the way.

Prerequisite: ENGL 17000 with a C or better; 2.0 cumulative GPA.

IS 31200 - Drugs & Medicine (3)

What counts as a drug? What counts as medicine? How do we determine which substances are drugs and which are medicines? What if something counts as both? Come explore the fascinating world of psychoactive substances as we tackle these and other questions from the perspective of multiple different academic disciplines like social history and chemistry, as well as medical and psychiatric practice.

Prerequisite: ENGL 17000 with a C or better; 2.0 cumulative GPA.

IS 31400 - Sickness, Health, and Story (3)

Stories aren't just the stuff of novels, poetry, and literature courses. Stories are how we make sense of ourselves, the world around us, and the people in it. In this course, we engage with the interdisciplinary field of Narrative Medicine, which focuses on the significance of stories in medical care. As we read, watch, or listen to particular kinds of stories about medicine, we examine how healthcare providers and patients understand sickness and health. We also look at the importance of story in healing as we study healthcare's successes and failures. From the unexpected and heartbreaking stories of doctors who become patients to infuriating and frustrating tales of politics or profit over health, we investigate the inner workings of medicine and healthcare in the United States.

Prerequisite: ENGL 17000 with C or better; 2.0 cumulative GPA.

IS 39000-39999 - Special Topics (1-6)

Special topics in interdisciplinary research. May be repeated for additional credit if taken under a different topic.

Prerequisite: ENGL 17000 with C or better; 2.0 cumulative GPA.

IS 40100 - Interdisciplinary Research (3)

Introduction to interdisciplinary research. Includes identifying disciplines relevant to research questions, gathering information, and developing interdisciplinary methods.

Prerequisite: Interdisciplinary Studies major; junior standing; ENGL 17000 with a C or better; 2.0 cumulative GPA. Offered: Fall/Spring.

IS 40500 - Interdisciplinary Problem-Solving (3)

Application of interdisciplinary research methods through directed individual and group projects.

Prerequisite: Interdisciplinary Studies major; IS 40100 or concurrent enrollment.

IS 41000 - Applied Interdisciplinary Studies (1-6)

Application of interdisciplinary problem-solving skills through internship(s), service-learning, research, or directed studies. May be repeated for credit.

Prerequisite: Interdisciplinary Studies major; IS 40500.

IS 49000-49999 - Special Topics (1-6)

Special topics in interdisciplinary research. May be repeated for additional credit if taken under a different topic.

MGMT - Management

MGMT 14000 - Microcomputer Applications (3)

An introductory course designed to address issues and practical applications important to microcomputer users, this course utilizes a "hands-on" lab approach. Subject areas addressed include word processing skills development, spreadsheet/database development and use of PowerPoint.

MGMT 16025 - Introduction to Business and Free Enterprise (3)

Introduction to Business and Free Enterprise is an introductory course designed to prepare students to deal effectively with the challenges of contemporary life, including business activities such as management, marketing, teamwork, leadership, globalization, economic implications, as well as future expectations. This course intends to assist students in developing the skills needed to understand the principles and processes of everyday business life; and to introduce students to the academic opportunities and activities offered by the Plaster College of Business and Entrepreneurship and the Lindenwood University community. In addition, the seminar will provide information, instruction, exercises, techniques, group interaction, and guidance in the areas of personal growth. Lab fee may be required.

Prerequisite: ENGL 11000 or EPP 11000 or higher with a C or better; or placement into ENGL 15000 or EPP 15000. Offered: Fall/Spring.

MGMT 24000 - Introduction to Information Systems (3)

This course covers essential components of information systems and the impact of information technology on business organizations. Topics discussed include communications and networking, e-commerce, web technologies, database management, and systems development methodologies. Issues of cybercrime and computer ethics will be discussed. Use of spreadsheet software for decision support is emphasized. Lab fee may be required.

Offered: Fall/Spring.

MGMT 26014 - Excel for Professionals (3)

This comprehensive hands-on lab course focuses on the use of Excel to analyze and graph data, generate reports and support business decisions. Students will learn how to design spreadsheets, work with pivot tables, create forms, consolidate results, publish data to the Web and streamline repetitive tasks through the use of macros. Lab fee may be required.

MGMT 26030 - Business Communications (3)

GE-Communication This course introduces concepts of workplace communication pertinent to the twenty-first-century global professional environment. Practice is provided in researching, designing, and composing common workplace documents and correspondence, in creating communications with a team, and in presenting communications orally and with the use of technology. Lab fee may be required.

Prerequisite: ENGL 15000 with a C or better.

MGMT 26032 - Principles of Management (3)

This survey course explores the development of the understanding of organizations and of the decision making skills required in management positions. The purpose of this course is to examine how management concepts have developed and continue to change. A detailed examination will be conducted of the four basic functions of management: planning, organizing, motivating, and controlling. Particular emphasis will be given to goal planning, managing change, career progression, and the managerial value system. By the end of this course, students will appreciate the changing environment of management. Lab fee may be required.

Prerequisite: ENGL 15000 with a C or better. Offered: Fall/Spring.

MGMT 26061 - Business Law I (3)

Business law is an introductory course designed to familiarize the student with the subject matter of the legal environment of business. Particular emphasis will be given to the sources of law; the role of society; the judicial function; and selected areas such as governmental regulation and agencies, crimes and torts, contracts, business organizations, agency, and employment law. Various approaches to understanding legal issues will be used, including case law analysis and the examination of current legal issues affecting business. Lab fee may be required.

Prerequisite: ENGL 15000 with a C or better. Offered: Fall/Spring.

MGMT 31200-31299 - Directed Studies in Management (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

MGMT 36000 - Principles of International Business (3)

This course provides students with an overview of global business and trade within the framework of today's dynamic business environment. The course also looks at how historical perspectives influence and shape current

events. Topics to be covered include globalization, trade theories, governmental influence on trade, cross national trade agreements, and an introduction to capital markets and foreign exchange. The course also examines how businesses interact with the cultural, political, ethical, legal, and economic environments of multiple nations. An overview of international business strategies is also provided. This course uses library research, case studies, and current business events to understand the methods and practices that international managers use to address these issues. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

MGMT 36010 - International Management (3)

This course builds on the foundations of global business through a survey of the International Business issues such as the political, legal, economic and cultural environments. It then proceeds to address management issues on an international scale. These issues include strategy formulation and implementation; organizational structure; managerial decision making and control; and human resource related topics such as leadership, motivation, selection and development. The course uses library research, case studies, and current business events to understand the methods and practices that international management uses to address these issues. Lab fee may be required.

Prerequisite: MGMT 36000 with a C or better. Offered: Fall/Spring.

MGMT 36015 - International Business and Cross-Cultural Communications (3)

GE-Human Culture: Foreign Culture/Human

Diversity This course focuses on factors which can influence communication between individuals from different cultures. Emphasis will be placed on how various cultures think, communicate, and behave. The goal of the course is for students to develop an appreciation for the complexity of cross-cultural communication, to become more aware of their own culturally based perceptions and patterns of thinking and behaving, and to develop skills for communicating in intercultural situations. Lab fee may be required.

Prerequisite: Junior standing. Offered: Fall/Spring.

MGMT 36020 - International Business Strategy and Management (3)

This course is the capstone for the international business major. It is designed to incorporate the various skills learned in the international business area into a comprehensive international business decision making course. This course will apply the skills learned in the international business courses to solve business problems using case studies and simulation format. Lab fee may be required.

Prerequisite: Six credit hours from the following: FIN 32015, MGMT 36010, MGMT 36015, MRKT 35015 all with a C or better. Offered: Spring.

MGMT 36033 - Business Analytics I (3)

This course provides an introduction to business analytics, which involves the use of statistical, predictive and optimization models to transform data into insight for making better decisions. An important goal is to encourage a more disciplined thinking process in the way a manager approaches management decision situations and to apply mathematical modeling with spreadsheets to decision making. Topics covered will include data visualization, forecasting, linear optimization, transportation and transshipment problems and simulation modeling. Hands-on projects and cases will relate to problems arising in a variety of functional areas of business, including finance, accounting, economics, marketing, sport management and supply chain management. Lab fee may be required.

Prerequisite: MGMT 24000 with a C or better; MTH 14100 or MTH 24100 with a C or better; MTH 14200, MTH 15100, MTH 15200, MTH 17300, MTH 17500, MTH 27100, or MTH 27200 with a C or better. Offered: Fall/Spring.

MGMT 36042 - Principles of Supply Chain Management (3)

This course is designed for students who are interested in understanding the fundamental aspects of Supply Chain Management (SCM). It is designed to familiarize the student with the subject matter of procurement, forecasting, inventory management, enterprise resource planning, quality management, location selection, supply chain integration and performance measurement. Lab fee may be required.

Prerequisite: MGMT 36043 with a C or better.

MGMT 36043 - Principles of Operations Management (3)

This course introduces the student to the management of operations, in both the manufacturing and service sectors. This course is designed to help the student to understand the nature of how products or services are transformed for use by the end customer, in the field known as Operations Management. Topics include operations strategy, planning, quality, production systems, inventory management, and project management. Current production initiatives will also be explored including Six Sigma/Lean, Theory of Constraints, and material requirements planning. Lab fee may be required.

Prerequisite: MGMT 26032 with a C or better; MTH 14100 with a C or better. Offered: Fall/Spring.

MGMT 36044 - Principles of Procurement Management (3)

Procurement Management is a strategic approach in the identification, planning, and acquisition of the

organization's current and future needs – materials, services, equipment and other resources - to achieve the organization's strategic goals and objectives. This course provides students with in-depth knowledge of the acquisition process, so that the right qualities, quantities, prices, timing, and sources are attained, and that there is alignment of the supplier network and optimum utilization of the organization's resources. Lab fee may be required.

Prerequisite: MGMT 36043 with a C or better. Offered: Fall.

MGMT 36045 - Principles of Logistics Management (3)

This course will provide an in-depth understanding and the opportunity to apply logistics management theories and practices. Specifically, the student will learn the important role that both transportation and warehousing play in today's global business environment, including techniques regarding transportation mode selection, warehousing, network design, and performance measurements. Lab fee may be required.

Prerequisite: MGMT 36043 with a C or better. Offered: Spring.

MGMT 36050 - Organizational Behavior (3)

This course explores the behavior of individuals, teams, groups, and organizations, in the workplace. Topics include business trends, globalization, ethics, corporate social responsibility, leadership, team dynamics, change management, performance, morale, power, personalities, desirable competencies, and communication. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

MGMT 36055 - Managerial Ethics (3)

This course is designed to help students understand the nature of the changing role of management with respect to ethics and public policy in the workplace. Current issues in ethics will be examined, including the position of business enterprises and their perceived value in society. The course will also explore the roles of managers, the public, and government in providing an atmosphere conducive to ethical business operations. This course will also address the business responsibilities of being a "good neighbor" at the local, national, and international levels. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better.

MGMT 36062 - Business Law II (3)

This course is designed to strengthen the student's understanding of the nature of governmental regulation of businesses, including corporations, partnerships, and limited liability companies; selected articles of the Uniform Commercial Code, including sales, commercial paper, and secured transactions; personal/real property and estates; bankruptcy; and insurance. Various approaches to understanding these legal issues will be used, including

case law analysis and the examination of current legal issues affecting business. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better.

MGMT 36081 - Career Development (3)

This course is designed to help students to understand the academic and business career exploration and planning processes. The goal of this course is to provide the student with the strategies and skills necessary for a lifetime of career-related decision making. Students will engage in a variety of self-discovery initiatives through an exploration of personal interests, values, and abilities. With this information, students will utilize various techniques to define and clarify educational and career plans. In addition, several methods of researching academic and career opportunities both at Lindenwood University and in the community will be explored. Lab fee may be required.

Prerequisite: Junior standing.

MGMT 38900 - Game Theory (3)

This is an applied logic course dealing with strategic action. The term 'game' includes any situation in which people interact and adopt strategies in order to reach a certain desired outcome. We will discuss rationality, revealed preference, risk, zero-sum games, games of cooperation, bargaining, decision theory, Nash equilibria, Prisoner's Dilemmas, etc. Lab fee may be required.

Prerequisite: MTH 14100 or higher with a C or better. Offered: Fall.

MGMT 41200-41299 - Directed Studies in Management (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

MGMT 46010 - International Risk and Politics (3)

This course examines the determination and assessment of factors of risk in international business ventures, including the analysis of domestic and foreign constraints imposed by the political and economic environment of multinational business operations. Particular emphasis will be given to the means of identifying, evaluating, and neutralizing risks related to international law, hyper-inflationary economies, nationalization of assets, revolution, war, and inconvertibility of currency. The roles of governments in heightening and reducing risk will also be studied for their impact upon international business. Lab fee may be required.

Prerequisite: MGMT 36000 with a C or better.

MGMT 46015 - Managing in Emerging Economies (3)

This course will focus on the characteristics of developing and emerging markets, the relevant global and local institutions, and management issues including strategy, operational concerns, HR issues, and risk management. Topics such as corruption, the “bottom of the pyramid,” the environment, and human development factors will also be addressed as part of the characteristics of these markets. Lab fee may be required.

Prerequisite: MGMT 36000 with a C or better. Offered: Fall/Spring.

MGMT 46020 - Global Leadership (3)

A structured learning experience exposing students to elements of leading in a global world. Definitions and styles of leadership will be explored for the business manager and global employee. Special emphasis will be placed on directed experiential learning and global virtual teamwork. Students will gain insight to cultural variables affecting leadership and then put these insights into action through classroom experiences with global teams. Students will be expected to display effective oral, digital and written communication skills despite culture variations on teams. Critical and adaptive thinking skills will be practiced in order to react and respond to real-world situations. Students will address issues of, and utilize skills in, solving marketing, distribution and financial solutions using digital mechanisms in the global market. Lab fee may be required.

Prerequisite: MGMT 36000 with a C or better. Offered: Spring.

MGMT 46033 - Business Analytics II (3)

This course expands on the material taught in MGMT 36033 (Business Analytics I) and provides a more in-depth coverage of predictive analytics and prescriptive analytics, as well as introduction to data mining and decision analysis. Students will work on projects that focus on development of multiple regression models, linear as well as non-linear optimization models and risk analysis with Monte Carlo simulation. Lab fee required.

Prerequisite: ENGL 17000; MGMT 36033 with a C or better.

MGMT 46040 - Project Management (3)

This course develops a foundation of concepts and solutions that support the planning, scheduling, controlling, resource allocation, and performance measurement activities required for successful completion of a project. This course examines project management roles and environments, the project life cycle, and various techniques of work planning, and control and evaluation to achieve project objectives. The tools currently available to project managers are illustrated in this course through the use of Microsoft(r) Project software. Lab fee may be required.

Prerequisite: MGMT 26032 with a C or better.

MGMT 46082 - Management Policy (3)

Management Policy is an advanced course designed to apply the theoretical principles of management to the processes of setting, implementing, and evaluating business strategy. This is the capstone course for all business majors, drawing on the information and skills developed over the course of the business program. The course will serve to reinforce the integration of the concepts presented in core business courses with the student's business degree. Various approaches to understanding these management issues will be used, including examinations and case study analyses. Final semester of senior year. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

MGMT 46095 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

MRKT - Marketing**MRKT 31200-31299 - Directed Studies in Marketing (3)**

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

MRKT 35010 - Principles of Marketing (3)

This course is an in-depth introduction to the functional business area of marketing. It examines how goods and services are presented to target customers through the use of the marketing-mix variables: product, price, place, and promotion. Emphasis in this course is on the student developing a working knowledge of the vocabulary, principles, concepts, and theories of contemporary marketing as used in various organizational settings. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

MRKT 35015 - International Marketing (3)

This course is designed to provide an extensive analysis of the marketing mix and how it can be standardized for transnational markets. The course will present techniques used to identify potential markets of products and/or services in the global marketplace. Lab fee may be required.

Prerequisite: MGMT 36000 or MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 35020 - Marketing Information and Research (3)

This course provides an introduction to the multiple sources of data and information used in making strategic and tactical marketing decisions. The course is designed to introduce the student to the strengths and limitations of a variety of marketing techniques and to the thought processes involved in selecting appropriate marketing techniques. Particular emphasis will be given to problem definition, design of marketing research studies, data collection techniques, data analysis and interpretation. A comprehensive team case toward the end of the course will tie together the concepts presented and provide an opportunity for oral and written presentation. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 35025 - Social Media Marketing (3)

This course will cover the major topics within social media marketing with a focus on application of theory, social media metrics, platforms, advertising and market research. Focus will be applied to case studies and projects. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better.

MRKT 35030 - Pricing Strategy and Negotiations (3)

Pricing is an intermediate course designed to strengthen the student's understanding of pricing strategy. The goal of this course is to provide the student with an understanding of the strategic importance of pricing, the psychological impact of various pricing tactics, a review of the strategic pricing options, and the experience of analyzing the impact of various pricing strategies. Lectures and case studies will provide the theory and analytical tools for development of pricing strategies and tactics. Computer simulations will provide students with the opportunity to apply knowledge derived from lectures and case studies. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 35040 - Advertising and Promotional Strategy (3)

An examination of the history, rhetoric, and aesthetics of advertising. Emphasis on industry with topics, such

defining the problem, conducting research, analyzing insights, identifying target audience, implementing campaign process, designing creative executions, writing copy, and planning media. The use of promotions is discussed and how this short-term marketing strategy increases sales by motivating customer purchase with incentives. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 35045 - Digital Marketing (3)

This course will cover the major topics within digital marketing with a focus on analytics, but also including advertising, SEO/SEM, elements of html and landing page optimization, e-mail marketing and current best industry practices. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better.

MRKT 35050 - Selling (3)

This course examines the concepts of personal selling. The goal of this course is to provide a detailed analysis of the innovative selling strategies and concepts necessary to negotiate mutually beneficial agreements. Particular emphasis will be given to professional presentation and image management of the salesperson, building long-term relationships with customers, sales theory concepts involved in personal sales, and business-to-business sales. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 35060 - Product Management (3)

This course will study the managerial process and design for new product development. The course will examine the product manager's role in team management as it relates to new opportunity identification; new concept generation; new concept evaluation; development of the product or idea; and the steps necessary for successful market or launch. Particular emphasis will be placed on the following areas: the marketing process of finding and solving consumer needs, concept testing, forecasting, and financial analysis, product protocol, design, product testing, strategic launch planning, and market testing. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 39000-39999 - Special Topics in Marketing (1-3)**MRKT 41200-41299 - Directed Studies in Marketing (3)**

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

MRKT 45060 - Marketing Communications (3)

This course introduces students to a shift in how organizations (for-profit and nonprofit) promote products, services, and ideas through relationship marketing and marketing communications. Students will examine more credible and cost effective ways to create relationships with target markets than traditional mass-market advertising. They will examine marketing strategies that use the fundamentals of classic public relations, word-of-mouth (WOM) marketing, event marketing, mobile marketing, social media networking, and other forms of creative marketing communications to foster interactions among organizations, products, consumers, and the media. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 45070 - Consumer Behavior (3)

This course is designed to strengthen the student's understanding of consumers' marketplace behaviors. Topics to be covered include motivation, buying behavior, learning, problem solving, perception, and decision making. Students will consider the implications of the social, cultural, and psychological factors that form consumer behavior. Particular emphasis will be given to marketing techniques and strategies used to anticipate and define consumers' wants and needs. Lab fee may be required.

Prerequisite: ENGL 17000; MRKT 35010 with a C or better. Offered: Fall/Spring.

MRKT 45080 - Marketing Management and Planning (3)

Topics to be covered include defining marketing problems and opportunities, evaluating alternative solutions, and developing strategies to address these issues. Students will be required to actively participate in discussion of outside readings and case studies that address a variety of marketing related issues. In addition, the course utilizes a team-based computer simulation in which students will form companies and compete in simulated markets. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; MRKT 35010; senior standing. Offered: Fall/Spring.

MRKT 45095 - Internship (1-9)

The Internship Program is designed to expose the student to a variety of practical business environments and apply the practical experience to academic development. This exposure will permit the student to observe and experience firsthand how businesses function in today's society. This course is graded on a Pass/Fail basis. Permission is required for any single internship to exceed 3 credit hours.

Prerequisite: ENGL 17000 with a C or better; approval of the faculty advisor and internship coordinator; junior standing; a cumulative GPA of 2.50 overall; and a cumulative GPA of 3.0 in all completed degree courses. Offered: Fall/Spring.

MRKT 49000-49999 - Special Topics in Marketing (1-3)

MS-Military-Science-ROTC

MS 10100 - Introduction to Leadership I (2)

Examine the challenges and competencies that are critical for effective leadership. The student will learn how the personal development of life skills such as cultural understanding, goal setting, time management, mental/physical resiliency, and stress management relate to leadership, officership, and the Army profession.

MS 10200 - Introduction to Leadership II (2)

The course investigates leadership fundamentals, explores dimensions of leadership attributes and core leader competencies, and presents fundamental military concepts.

Prerequisite: MS 10100. Offered: Spring.

MS 20100 - Innovative Team Leadership (3)

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and leadership theories. The course continues to build on developing knowledge of leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics.

Prerequisite: MS 10200.

MS 20200 - Foundations of Tactical Leadership (3)

Develops a greater self-awareness in the students as they assess their own leadership styles and practice communication and team building skills. Students examine and practice the challenges of leading teams in the complex operational environment. Students will study dimensions of terrain analysis, patrolling, and operation orders and students will explore the dynamics of adaptive leadership in the context of military operations.

Prerequisite: MS 20100. Offered: Spring.

MS 30100 - Adaptive Team Leadership (3)

This is an academically challenging course where the student will study, practice, and apply the fundamentals of Army leadership, officership, Army values and ethics, and small unit tactics.

Prerequisite: MS 10100; MS 10200; MS 20100; MS 20200.

MS 30200 - Applied Team Leadership (3)

Students will continue to learn and apply the fundamentals of Army leadership, officership, Army values and ethics as they hone their leadership abilities in a variety of tactical environments and the classroom. Successful completion of this course will help prepare students for success at the ROTC Leader Development and Assessment Course which they will attend the summer following this course at Fort Lewis, WA. Students will receive systematic and specific feedback on their leadership attributes, values and core leader competencies from their instructors, other ROTC cadre, and senior cadets.

Prerequisite: MS 30100. Offered: Spring.

MS 40100 - Leadership Challenges and Goal-Setting (3)

In this course, students plan, conduct, and evaluate activities of the ROTC cadet organization, articulate goals and put plans into action to attain them, assess organizational cohesion and develop strategies to improve it, develop confidence in skills to lead people and manage resources, and learn/apply various Army policies and programs in this effort.

Prerequisite: MS 30200. Offered: Fall.

MS 40200 - Transition to Lieutenant (3)

In this course, students identify and resolve ethical dilemmas, refine counseling and motivating techniques, examine aspects of tradition and law related to leading as an officer in the Army, and prepare for a future as a successful Army lieutenant.

Prerequisite: MS 40100. Offered: Spring.

MS 40800 - Adaptive Leadership (3)

MS 40800 is a practical application of adaptive leadership. Throughout the semester, students are assigned the duties and responsibilities of an Army staff officer and must apply the fundamentals of principles of training, training management, the Army writing style, and the military decision making to weekly training meetings. Students will study the special trust given to Army Officers by the US Constitution and the President of the United States--a special trust given to no other civilian professions. This course places significant emphasis on preparing students for BOLC-Phase II and their first unit of assignment. It uses mission command case studies and scenarios to prepare students to face the complex ethical demands of serving as a commissioned officer in the United States Army. Students will study how Army values and leader ethics are applied in the Contemporary Operating Environment and how these values and ethics are relevant to everyday life. The student will study the Army officer's role in the Uniform Code of Military Justice, the counseling of subordinates, administrative actions, and the management of an Army Officer's career. Students will be given numerous opportunities to train, mentor, and evaluate underclass students enrolled in the ROTC Basic

Course while being mentored and evaluated by experienced ROTC cadre.

The MS 40800 course is designed to include multiple opportunities for student-centered learning, to include, but not limited to student reading assignments; homework assignments; participation in small-group assignments, practical exercises and case studies; student-delivered briefings and operations orders; and a variety of student assessments such as quizzes and a final exam.

MS 45000 - Modern American Military History (3)

This course is a history of U.S. military involvement in the world since the end of World War II. Beginning with the end of WWII and moving through to the 21st century, this class includes Korea, Vietnam, U.S. interventions as well as the Gulf War. Tactical, strategic, political, and economic contexts as well as technological developments are considered in attempting to understand the causes, conduct, and consequences of these armed conflicts. This course is offered fall semester of even numbered years. Not open to students with credit in HIST 11701.

Prerequisite: ENGL 17000 with a C or better or concurrent enrollment; sophomore standing.

MTH - Mathematics**MTH 05100 - Basic Mathematics (2)**

MTH 05100 is a computer-based course designed to prepare students for MTH 12100, MTH 14100, and MTH 14200. Topics include order of algebraic operations, simplifying algebraic expressions, fractions and proportions, first degree equations and inequalities, functions and graphs, systems of linear equations, exponents, scientific notation, and quadratic equations. This course will not satisfy any general education requirements, nor will it earn elective credit (thus, does not count toward the 120 hours required for graduation). Lab fee may be required.

Offered: Fall/Spring.

MTH 10101 - Mathematics Support Lab (1)

This course is intended to provide co-remediation support to students enrolled in MTH 11000, MTH 14100, MTH 14200, or MTH 15100. This course will not satisfy any general education requirements. Lab fee may be required. May be repeated for a maximum of 3 credit hours. This course is graded on a Pass/Fail basis.

Offered: Fall/Spring.

MTH 11000 - Intermediate Algebra (3)

MTH 11000 is designed to prepare students for MTH 14800, MTH 14900, and MTH 15100. The topics include operations with real numbers, first degree equations and inequalities, functions and graphs, operations with polynomials, factoring polynomials, rational expressions,

and quadratic equations. This course counts for elective credit but will not satisfy any general education requirements. Lab fee may be required.

Offered: Fall/Spring.

MTH 12100 - Introduction to Contemporary Mathematics (3)

GE-Math This course is an introductory course on how mathematics is used today. Students will study consumer mathematics plus additional topics selected from apportionment, fair divisions, geometry, growth and decay, numbers systems for encoding information, probability and counting techniques, routes and network, scheduling, statistics, voting systems. Lab fee may be required.

Prerequisite: MTH 05100 or MTH 11000 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 13600 - Think Like Da Vinci: Mathematics in the Art and Science of the Renaissance (3)

GE-Math Mathematics lies at the heart of the “rebirth” of art and science that later became known as the Renaissance. Mathematicians, artists, architects, and inventors of the time believed in the humanist ideals of observation, critical analysis, and creativity. This course will use the humanist model of inquiry to pose and answer questions relating to mathematics in the art and science of the Renaissance. Topics include ratios and proportions; abstract mathematical thinking through patterns and sequences; linear and quadratic equations, functions, and graphs; affine, Euclidean, projective, and relevant non-Euclidean geometry; and mathematical exploration of the notion of infinity. The motivation for and exploration of these mathematical topics will be drawn from the art, architecture, and engineering of the Renaissance. This course is intended for non-majors; it does not count toward either the major or minor in mathematics. Lab fee may be required.

Prerequisite: MTH 05100 or MTH 11000 with a C or better or passing the math placement test. Offered: Fall/Spring.

MTH 14100 - Basic Statistics (3)

GE-Math This course is an introduction to the theory and applications of statistics, including probability, descriptive statistics, random variables, expected values, distribution functions, and hypothesis testing. Lab fee may be required.

Prerequisite: MTH 05100, MTH 11000, MTH 15100, MTH 15200, MTH 27100, or MTH 27200 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 14200 - Quantitative Methods for Business (3)

GE-Math This course is designed to introduce business students to the use of quantitative methods. Topics covered will include solving and graphing linear functions and inequalities; writing mathematical models; solving systems of equations; linear regression; and an introduction to linear programming. Tools used will include calculators

and computers. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 05100 or MTH 11000 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 14800 - Mathematical Structures for Teachers I (4)

GE-Math This course focuses on problem solving using the real number system and algebra. Topics include different numeration systems (Roman Numerals and other bases), techniques for calculations, percents and ratios with applications, exponents and roots, the properties of real numbers, arithmetic with irrational and complex numbers, linear functions and piecewise linear functions with applications, systems of linear equations, quadratic functions with applications, polynomial and rational functions with applications. Lab fee may be required.

Prerequisite: MTH 11000 with a C or better; or placement in MTH 15100. Offered: Fall/Spring.

MTH 14900 - Mathematical Structures for Teachers II (3)

GE-Math This course provides an introduction to the basic concepts of probability (including counting techniques), statistics, and geometry. The basic geometry concepts to be covered include the fundamentals of planar and 3-dimensional geometry; congruence and similarity, proofs of congruent or similar triangles; concepts of measure; and motion geometry and tessellations. Lab fee may be required.

Prerequisite: MTH 11000 with a C or better; or placement in MTH 15100. Offered: Fall/Spring.

MTH 15100 - College Algebra (3)

GE-Math Topics covered: functions and graphs, polynomial and rational functions, exponentials and logarithms, systems of equations and inequalities, sequences and the binomial theorem. The course is designed primarily for science and related majors and students seeking middle school mathematics certification. Lab fee may be required.

Prerequisite: MTH 11000 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 15110 - College Algebra with Support (5)

GE-Math Topics covered: functions and graphs, polynomial and rational functions, exponentials and logarithms, systems of equations and inequalities, sequences and the binomial theorem. The course is designed primarily for science and related majors and students seeking middle school mathematics certification. The College Algebra with Support section is designed for students who do not have the prerequisite for College Algebra to learn the prerequisite skills as needed during the normal college algebra sequence. Lab fee may be required.

Offered: Fall/Spring.

MTH 15200 - Pre-calculus: Elementary Functions (3)

GE-Math This course serves as preparation for calculus covering polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, applications and systems of linear equations. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 15100 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 15300 - Algebra and Trigonometry (5)

GE-Math This combined course serves as a review of college algebra as well as preparation for the calculus sequence. Topics include polynomial and rational functions and inequalities, systems of equations, exponential and logarithmic functions, trigonometric functions, inverse trigonometric functions, as well as their applications. Lab fee may be required.

Prerequisite: MTH 11000 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 17300 - Survey of Calculus (4)

GE-Math Topics include a brief review of trigonometry; limits and continuity; derivatives and integrals of polynomials, rational, exponential, logarithmic and trigonometric functions; relative extrema and points of inflection; graphs of functions, derivatives, and integrals; implicit differentiation and related rates; the extreme value theorem; definite and indefinite integrals; and the Fundamental Theorem of Calculus. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 15100 or MTH 15200 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 17500 - Business Calculus and Applications (4)

GE-Math This course is an introductory course in calculus, with an emphasis in business applications. Topics include a review of exponential and logarithmic functions, interest, linear programming, limits, continuity, differentiation and integration. A graphing calculator is required. A TI-83+ is recommended. Lab fee may be required.

Prerequisite: MTH 14200 or MTH 15100 with a C or better; or passing the placement test.

MTH 22100 - Discrete Structures (3)

This course will briefly review logic, sets, functions and relations, and methods of proof before using these concepts to study discrete (rather than continuous) mathematics. Topics covered may include combinatorics, graph theory, algorithms and their analysis, Boolean algebra, finite state machines, finite difference equations, and applications of these topics. Lab fee may be required.

Prerequisite: MTH 15100 or higher-level math course with a C or better; CSC 14400 with a C or better. Offered: Fall.

MTH 23000 - Geometry with Geometric Software (1)

In this course, elements of geometry will be explored using the computer software. Topics that will be explored are polygons, the various centers of a triangle, circles, areas, and volumes. Lab fee may be required.

Prerequisite: MTH 15200 with a C or better. Offered: Fall/Spring.

MTH 24000 - Bridge Course: Statistics for Natural Science (1)

This course supplements content from Basic Statistics (MTH 14100) to satisfy requirements for Statistics for Natural Sciences (MTH 24100). This course covers two parameter confidence intervals and hypothesis testing, ANOVA, prediction intervals, and multiple regression models relating two or more independent variables. Students cannot earn credit for both MTH 24000 and MTH 24100. Lab fee may be required.

Prerequisite: MTH 14100 with a C or better and one of MTH 15100, MTH 15200, MTH 27100, or MTH 27200 with a C or better. Offered: Fall/Spring.

MTH 24100 - Statistics for Natural Science (3)

GE-Math Topics covered in this course include counting rules and probability, normal and binomial distributions, Chi-square, t-tests and F-tests, ANOVA, linear regression, precision, accuracy, absolute and relative error, random error, means, medians, standard deviation (population and sample), standard error of the mean, variance, relative standard deviation, coefficient of variation, confidence levels and intervals, Q-tests, and definitions and sources of error (methodological, sampling, procedural and instrument). Lab fee may be required.

Prerequisite: MTH 15100 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 27100 - Calculus I (5)

GE-Math This course is the first study of real functions and some of their applications. Topics include limits, continuity, differentiation and integration. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 15200 with a C or better; or passing the placement test. Offered: Fall/Spring.

MTH 27200 - Calculus II (5)

GE-Math This course is a continuation of the study of real functions of one variable. Topics include integration, applications of integration, and methods of integration, infinite series, and vectors. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 27100 with a C or better. Offered: Fall/Spring.

MTH 28500 - Introduction to Mathematical Proof Writing (3)

This course is a transition course from elementary to advanced mathematics. Topics include logic, proof

techniques, set theory, discrete math, the natural numbers, induction, functions, relations, and the foundations of number systems. Lab fee may be required.

Prerequisite: MTH 27100 with a C or better. Offered: Fall.

MTH 30300 - Calculus III (5)

This course is the study of real functions of more than one variable. Topics include partial derivatives, gradient, potential functions, line integral, multiple integration, and Taylor's formula. A graphing calculator is required. Lab fee may be required.

Prerequisite: MTH 27200 with a C or better. Offered: Fall/Spring.

MTH 31100 - Differential Equations (3)

This course examines ordinary differential equations and some applications, including first order equations, linear differential equations, Laplace Transform, and series solutions. Lab fee may be required.

Prerequisite: MTH 27200 with a C or better. Offered: Spring.

MTH 31300 - History of Mathematics (3)

This course looks at the history of Mathematics, including the Classical, Medieval, Renaissance, Early Modern, and Modern periods, spanning the time from 3000 BC to the present. Lab fee may be required.

Prerequisite: MTH 15200 with a C or better; or passing the placement test.

MTH 31500 - Linear Algebra I (3)

This course is the study of the finite dimensional vector spaces, linear mappings between them and applications to differential equations and geometry. Topics include solution of linear equations, matrices, determinants, eigenvalue problems, bilinear mappings and forms, diagonalization. Lab fee may be required.

Prerequisite: MTH 27100 with a C or better. Offered: Fall.

MTH 31600 - Linear Algebra II (3)

This course is the study of the finite dimensional vector spaces, linear mappings between them and applications to differential equations and geometry. Topics include solution of linear equations, matrices, determinants, eigenvalue problems, bilinear mappings and forms, diagonalization. Lab fee may be required.

Prerequisite: MTH 31500 with a C or better.

MTH 32000 - Abstract Algebra (3)

This course examines the main structures of abstract algebra. Groups, rings and fields will be studied together with applications to geometry, and number theory. Lab fee may be required.

Prerequisite: ENGL 17000; MTH 28500 with a C or better. Offered: Fall.

MTH 32200 - Abstract Algebra II (3)

This proof-based course introduces the theory of rings and fields, together with their applications to number theory. Lab fee may be required.

Prerequisite: MTH 28500 with a C or better. Offered: Spring.

MTH 32400 - Theory of Financial Mathematics I (3)

This course is a differential calculus based introduction to interest theory and the time value of money. Students will learn about simple and compound interest, nominal and effective rates of interest and discount, standard and nonstandard annuities, amortization schedules, sinking funds, and bond valuation. This course, together with MTH 32500, covers topics needed to be successful on Exam FM/2 by the Society of Actuaries and the Casualty Actuarial Society. Lab fee may be required.

Prerequisite: MTH 17500 or MTH 27100 with a C or better. Offered: Fall.

MTH 32500 - Theory of Financial Mathematics II (3)

This course provides a calculus based coverage of topics in financial mathematics including bond valuation, stock valuation, inflation, duration, immunization, and financial derivatives such as forwards, futures, options, and swaps. This course, together with MTH 32400, covers topics needed to be successful on Exam FM/2 by the Society of Actuaries and the Casualty Actuarial Society. Lab fee may be required.

Prerequisite: MTH 32400 with a C or better. Offered: Spring.

MTH 32600 - Models for Financial Economics (3)

This primary focus of this course is to use stock models for the purpose of option valuation. Stock models discussed include the binomial tree model and the Black-Scholes framework. Students will use the models to price standard options as well as a variety of exotic options. The course will also discuss interest rate models used for pricing bonds. This course covers material included on the MFE/3F actuarial exam. Lab fee may be required.

Prerequisite: MTH 14100 or MTH 24100 with a C or better; MTH 32500 with a C or better or MTH 17500 and FIN 42020 with a C or better.

MTH 33000 - Geometry (3)

This course is a careful review of Euclidean geometry of the plane and space, and an introduction to non-Euclidean geometry. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Corequisite: MTH 28500. Offered: Fall.

MTH 34100 - Probability and Mathematical Statistics I (3)

This course is the first part of a calculus-based sequence. Topics include combinatorics, probability spaces, discrete

and continuous distributions, variable transformation, multivariate distributions. Lab fee may be required.

Prerequisite: MTH 27200 with a C or better; MTH 24100 with a C or better or MTH 14100 and MTH 24000 each with a C or better. Offered: Spring.

MTH 34200 - Probability and Mathematical Statistics II (3)

This course is the second part of a calculus-based sequence. Topics covered include estimation using confidence intervals, maximum likelihood, bayesian methods, hypothesis testing regression analysis, and theory of statistical interference. Lab fee may be required.

Prerequisite: MTH 34100 with a C or better.

MTH 34500 - Regression Analysis (3)

This course will cover topics in regression and time series. Specific topics covered will include Single linear regression, multiple linear regression, model diagnostic techniques, transformations, generalized linear models, ARIMA models, and forecasting. The course will require the use of Excel and statistical software, such as R. Lab fee may be required.

Prerequisite: MTH 24100 with a C or better or PSY 30600 with a C or better or MTH 14100 and MTH 24000 each with a C or better.

MTH 35100 - Numerical Methods (3)

This course is the first course in numerical methods, including solution of linear and non-linear equations, numerical integration and differentiation, the theory of approximation, and solution of differential equations. Lab fee may be required.

Prerequisite: CSC 14400 and MTH 27200 each with a C or better.

MTH 36100 - Partial Differential Equations (3)

This course provides an overview of partial differential equations of mathematical physics. The overview covers elliptic, parabolic, and hyperbolic PDEs. The methods of solutions include the eigenfunction expansions, the Laplace and Fourier transforms, and numerical methods. Lab fee may be required.

Prerequisite: MTH 30300 and MTH 31100 each with a C or better.

MTH 36500 - Complex Variables (3)

This course offers an introduction to the theory of complex variables and their applications. Topics include the algebra and geometry of complex numbers, Cartesian and polar representation, differentiability of complex functions, analytic functions, the elementary functions, contour integrals, the Cauchy integral formula, power series expansions, residue theorem and more. Lab fee may be required.

Prerequisite: MTH 30300 with a C or better. Offered: Fall.

MTH 37000 - Advanced Calculus (3)

This course provides a systematic and rigorous development of the multivariable calculus of functions on Euclidean space. Topics covered include limits, continuity and differentiability of functions, the Riemann integral, vector calculus, and sequences and series. Lab fee may be required.

Prerequisite: MTH 27200 and MTH 28500 each with a C or better. Offered: Spring.

MTH 37100 - Advanced Calculus II (3)

This proof-based course provides a systematic and rigorous development of the calculus of functions on Euclidean space. Topics covered include sequences, series, the Riemann integral, and special functions. Lab fee may be required.

Prerequisite: MTH 37000 with a C or better. Offered: Fall/Spring.

MTH 37900 - Seminar on Collegiate Mathematics Competition (1)

This is a problem-solving seminar designed to prepare a team of students to represent Lindenwood University at the annual Missouri Collegiate Mathematics Competition (MCMC) or other similar mathematics competitions. Students will work through Olympiad-style problems from older editions of the MCMC and present solutions to the class. Students may take the seminar twice for credit. This course is graded on a Pass/Fail basis.

Prerequisite: MTH 28500 with a C or better. Offered: Fall/Spring.

MTH 38901 - Undergraduate Research (3)

This course provides undergraduates with an opportunity to perform research in pure or applied mathematics. Under the supervision of a faculty member, a student will independently study a chosen area of mathematics. Students are expected to explore significant problems in their topic, draw conclusions, and, if applicable, identify real world applications to their work. This is an undergraduate research course. May be repeated for a maximum of 9 credit hours. Lab fee may be required.

Prerequisite: Permission of the dean.

MTH 39000-39999 - Special Topics in Applied Mathematics (3)

Lab fee may be required.

MTH 48001 - Mathematics Internship (1-3)

This course offers students the opportunity to earn academic credit while gaining practical work experience in a professional environment. The work experience should expand upon and apply the knowledge obtained through the student's coursework. May be repeated for a maximum of 9 credit hours. This course is graded on a Pass/Fail basis. Lab fee may be required.

Prerequisite: Junior standing; permission of the dean.

MTH 49000-49999 - Special Topics in Mathematics (3)
Lab fee may be required.

MUS - Music

MUS 10000 - Fundamentals of Music (3)

This course serves as an introduction to the elements of music: pitch, rhythm, harmony, dynamics, timbre, texture, and form. Emphasis on notation, scales, tonality, keys, modes, intervals, and transpositions. This course does not satisfy the GE-Human Culture: Arts requirement.

Offered: Fall.

MUS 10101 - First Year Seminar in Music (1)

This course is an orientation to the field of music for music majors, including opportunities within the department and various external companies and organizations.

Offered: Fall.

MUS 10200 - Concert/Recital Attendance (0)

All music majors are required to enroll in this course every fall and spring semester throughout their program of study, excluding the semester of student teaching or internship. Attendance at a minimum number of concerts and recitals is required. Pass/Fail grading. May be repeated.

Offered: Fall/Spring.

MUS 104XX - Private Lessons (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10442 - Applied Music (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10443 - Private Lessons: Bassoon (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10445 - Private Lessons: Clarinet (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10446 - Private Lessons: Double Bass (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10448 - Private Lessons: French Horn (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10449 - Private Lessons: Guitar (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10450 - Private Lessons: Bass Guitar (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10451 - Private Lessons: Flute (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10452 - Private Lessons: Oboe (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10454 - Private Lessons: Percussion (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10455 - Private Lessons: Piano (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10456 - Private Lessons: Saxophone (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10457 - Private Lessons: Trombone (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10458 - Private Lessons: Trumpet (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10459 - Private Lessons: Tuba (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10460 - Private Lessons: Euphonium (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10461 - Private Lessons: Violin (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10462 - Private Lessons: Voice (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10466 - Private Lessons: Viola (1-2)

Offered: Fall/Spring.

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

MUS 10467 - Private Lessons: Cello (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10469 - Private Lessons: Drum Set (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10470 - Private Lessons: Jazz Piano (1-2)

Courses with numbers 10442 through 10470 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10471-10474 - Applied Lessons in Jazz and Contemporary Music (1-2)

Courses with numbers 10471 through 10474 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10471 - Applied Lessons in Jazz and Contemporary Music: Voice (1-2)

Courses with numbers 10471 through 10474 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10472 - Applied Lessons in Jazz and Contemporary Music: Trumpet (1-2)

Courses with numbers 10471 through 10474 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10473 - Applied Lessons in Jazz and Contemporary Music: Trombone (1-2)

Courses with numbers 10471 through 10474 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 10474 - Applied Lessons in Jazz and Contemporary Music: Saxophone (1-2)

Courses with numbers 10471 through 10474 are specialized private instruction. May be repeated for credit. Course fee required.

Offered: Fall/Spring.

MUS 11400 - Class Piano I (2)

This course offers piano instruction for students with little or no piano background. Emphasis on reading music.

Offered: Fall.

MUS 11500 - Class Piano II (2)

This course is an extension of MUS 11400 that requires increased performance expectations.

Prerequisite: MUS 11400. Offered: Spring.

MUS 11800 - Music Theory for Non-Majors (3)

This course is designed for musical theatre majors and dance majors and serves as an introduction to reading standard music notation. Emphasis on pitch, rhythm, meter, intervals, keys, basic harmony and common musical

terms. Students will incorporate basic keyboard and sight-singing skills as an application of the literacy components. Upon completion of this course, musical theatre and dance majors will be able to read and decipher the basic components of the musical score in order to facilitate their performances.

Offered: Spring.

MUS 11901 - Improvisation (0-1)

Developing basic techniques and approach to improvisation through guided performance practices. Topics to include call and response, simple melodic phrase construction, modes, major/minor ii-V progressions. Repeatable for a maximum of 6 credit hours.

MUS 12400 - Class Voice I (2)

This course serves as an introduction to the fundamental principles and techniques of singing. Emphasis on reading music.

Offered: Fall.

MUS 12500 - Class Voice II (2)

This course serves as an extension of MUS 12400 that requires increased performance expectations.

Prerequisite: MUS 12400. Offered: Spring.

MUS 14101 - Music Theory I (3)

This course is divided into two components: sight-singing and music analysis. Sight-singing includes singing short melodies at sight, major and minor scales, intervals up to and including an octave, and verbalization of rhythmic exercises. Analysis includes chords, cadences, non-harmonic tones, melodic organization, texture and textural reduction, species counterpoint, and voice leading in four-part chorale writing.

Prerequisite: MUS 10000. Corequisite: MUS 14102.
Offered: Spring.

MUS 14102 - Ear Training I (1)

Ear Training I is the first level in a series of four Ear Training courses taken together with MUS 14101 Music Theory I. Students will develop aural skills and fluency in sight singing and listening skills. Prepared exercises in singing, reading, and performance will demonstrate the student's ability to read music and translate it to sound. Students will also develop the ability to listen to music and translate it to notation.

Prerequisite: MUS 10000. Corequisite: MUS 14101.
Offered: Spring.

MUS 15000 - Music in America (3)

GE-Human Culture: Arts This course explores the music of America's people, past and present. Includes the great jazz and folk movements, Broadway, gospel, film scores, rock, and popular music styles. Emphasis on listening to, analyzing, and describing music; understanding

relationships between music, the arts, and disciplines outside the arts; and understanding music in relation to history and culture.

Offered: Fall/Spring.

MUS 15500 - Jazz History (3)

GE-Human Culture: Arts/Human Diversity This course serves as an historical survey of jazz from its roots and inception through its many diverse permutations. Emphasis on listening to, analyzing, and describing music; understanding relationships between music, the arts, and disciplines outside the arts; and understanding music in relation to history and culture.

Offered: Fall/Spring.

MUS 16500 - Music Appreciation (3)

GE-Human Culture: Arts This course serves as an historical survey of masterworks from diverse genres. Emphasis on listening to, analyzing, and describing music; understanding relationships between music, the arts, and disciplines outside the arts; and understanding music in relation to history and culture.

Offered: Fall/Spring.

MUS 18600-18699 - Special Topics (1-3)

Special topics in music that may include a performance component. May be repeated for additional credit if taken under a different topic. Course fee may be required.

Prerequisite: Permission of dean.

MUS 204XX - Private Lessons (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 104XX. Offered: Fall/Spring.

MUS 20442 - Applied Music (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10442. Offered: Fall/Spring.

MUS 20443 - Private Lessons: Bassoon (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10443. Offered: Fall/Spring.

MUS 20445 - Private Lessons: Clarinet (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10445. Offered: Fall/Spring.

MUS 20446 - Private Lessons: Double Bass (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10446. Offered: Fall/Spring.

MUS 20448 - Private Lessons: French Horn (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10448. Offered: Fall/Spring.

MUS 20449 - Private Lessons: Guitar (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10449. Offered: Fall/Spring.

MUS 20450 - Private Lessons: Bass Guitar (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10450. Offered: Fall/Spring.

MUS 20451 - Private Lessons: Flute (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10451. Offered: Fall/Spring.

MUS 20452 - Private Lessons: Oboe (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10452. Offered: Fall/Spring.

MUS 20454 - Private Lessons: Percussion (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10454. Offered: Fall/Spring.

MUS 20455 - Private Lessons: Piano (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10455. Offered: Fall/Spring.

MUS 20456 - Private Lessons: Saxophone (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10456. Offered: Fall/Spring.

MUS 20457 - Private Lessons: Trombone (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10457. Offered: Fall/Spring.

MUS 20458 - Private Lessons: Trumpet (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10458. Offered: Fall/Spring.

MUS 20459 - Private Lessons: Tuba (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10459. Offered: Fall/Spring.

MUS 20460 - Private Lessons: Euphonium (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10460. Offered: Fall/Spring.

MUS 20461 - Private Lessons: Violin (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10461. Offered: Fall/Spring.

MUS 20462 - Private Lessons: Voice (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10462. Offered: Fall/Spring.

MUS 20466 - Private Lessons: Viola (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10466. Offered: Fall/Spring.

MUS 20467 - Private Lessons: Cello (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10467. Offered: Fall/Spring.

MUS 20469 - Private Lessons: Drum Set (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10469. Offered: Fall/Spring.

MUS 20470 - Private Lessons: Jazz Piano (1-2)

Courses with numbers 20442 through 20470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10470. Offered: Fall/Spring.

MUS 20471-20474 - Applied Lessons in Jazz and Contemporary Music (1-2)

Courses with numbers 20471 through 20474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10471-MUS 10474. Offered: Fall/Spring.

MUS 20471 - Applied Lessons in Jazz and Contemporary Music: Voice (1-2)

Courses with numbers 20471 through 20474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10471. Offered: Fall/Spring.

MUS 20472 - Applied Lessons in Jazz and Contemporary Music: Trumpet (1-2)

Courses with numbers 20471 through 20474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10472. Offered: Fall/Spring.

MUS 20473 - Applied Lessons in Jazz and Contemporary Music: Trombone (1-2)

Courses with numbers 20471 through 20474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10473. Offered: Fall/Spring.

MUS 20474 - Applied Lessons in Jazz and Contemporary Music: Saxophone (1-2)

Courses with numbers 20471 through 20474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 10474. Offered: Fall/Spring.

MUS 209XX - Large Ensemble - Instrumental (0-1)

Courses with numbers 20901 through 20907 are large instrumental ensembles. See individual course number for course descriptions. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 20901 - Jazz Band (0-1)

This course is open to all students by audition. May be repeated for credit. Activity fee may be required.

Offered: Fall/Spring.

MUS 20902 - Orchestra (0-1)

This course is open to all students and includes strings, woodwinds, brass, and percussion. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 20904 - Symphonic Band (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Spring.

MUS 20905 - Pep Band (0-1)

This course is open to all students and includes brass, woodwinds, and percussion instruments. May be repeated for credit. Course fee required.

Offered: Spring.

MUS 20906 - Marching Band (0-1)

This course is open to all students and includes brass, woodwinds, and percussion. May be repeated for credit. Course fee required.

Offered: Fall.

MUS 20907 - Wind Ensemble (0-1)

This course is open to all students by audition. May be repeated for credit. Course fee may be required.

MUS 20918 - Guitar Ensemble (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 210XX - Large Ensemble - Choral (0-1)

Courses with numbers from 21001 through 21005 are large choral ensembles. See individual course numbers for course descriptions. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21001 - University Chorus (0-1)

This course is open to all university students. May be repeated for a total of 8 credit hours. Audition and/or course fee may be required.

MUS 21003 - Concert Choir (0-1)

This course is open to all Lindenwood University students by audition. May be repeated for credit. Course fee may be required.

Offered: Fall/Spring.

MUS 21004 - University Men's Chorus (0-1)

This course is open to all male students. May be repeated for credit. Course fee may be required.

Offered: Fall/Spring.

MUS 21005 - University Women's Chorus (0-1)

This course is open to all female students. May be repeated for credit. Course fee may be required.

Offered: Fall/Spring.

MUS 212XX - Small Ensemble - Instrumental (0-1)

Courses with numbers 21211 through 21221 are small, instrumental ensembles. May be repeated for credit. Audition and/or course fee may be required.

MUS 21211 - Instrumental Ensemble: Woodwinds (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21215 - Instrumental Ensemble: Brass (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21217 - Instrumental Ensemble: Percussion (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21218 - Instrumental Ensemble: Guitar (0-1)

Expands students' knowledge of musical terminology, requires students to communicate connections between musical concepts, shows students how to apply and analyze key techniques and concepts, and enriches students' perspectives in the context of playing the guitar in a group setting. May be repeated for a total of 8 credit hours. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21219 - Instrumental Ensemble: Strings (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21221 - Instrumental Ensemble: Jazz (0-1)

This course is open to all students. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 213XX - Small Ensemble - Vocal (0-1)

Courses numbered 213XX are specialty vocal ensembles. May be repeated for credit. Audition and/or course fee may be required.

MUS 21303 - Small Ensemble: Select Treble Ensemble (0-1)

Courses numbered 213XX are specialty vocal ensembles. May be repeated for credit. Audition and/or course fee may be required.

Offered: Fall/Spring.

MUS 21304 - Voices Only (0-1)

Voices Only is Lindenwood's premiere a cappella ensemble. Membership is open to all students by audition and requires multiple performances throughout the year. May be repeated for credit. Course fee may be required.

Offered: Fall/Spring.

MUS 21400 - Piano Proficiency I (1)

Piano instruction for music majors focused on preparation for the piano proficiency exam.

Prerequisite: Sophomore standing. Offered: Fall.

MUS 21500 - Piano Proficiency II (1)

This course is an extension of MUS 21400 that requires increased performance expectations.

Prerequisite: MUS 21400. Offered: Spring.

MUS 21600 - Piano Proficiency III (1)

This course is an extension of MUS 21500 that requires increased performance expectations.

Prerequisite: MUS 21500. Offered: Spring.

MUS 22100 - Woodwind Techniques (1)

This course is a practical study of woodwind methods, materials, and instructional techniques. Course fee required.

MUS 22200 - Brass Techniques (1)

This course is a practical study of brass methods, materials, and instructional techniques. Course fee required.

MUS 22300 - Percussion Techniques (1)

This course is a practical study of percussion methods, materials, and instructional techniques. Course fee required.

MUS 22400 - String Techniques (1)

This course is a practical study of string methods, materials, and instructional techniques. Course fee required.

MUS 22600 - Guitar Techniques (1)

This course is a practical study of guitar methods, materials, and instructional techniques. Course fee required.

MUS 24201 - Music Theory II (3)

This course is an extension of MUS 14101 and is divided into two components: sight-singing and analysis. Sight-singing includes melodies that contain large skips and modulations to closely related keys, ascending and descending intervals up to and including an octave, and verbalization of advanced rhythmic exercises. Analysis includes harmonic progression and rhythm, dominant seventh chords, leading-tone seventh chords, non-dominant seventh chords, secondary dominants and leading-tone chords, modulation, two-part (binary) form and three-part (ternary form).

Prerequisite: MUS 14101; MUS 14102. Corequisite: MUS 24202. Offered: Fall.

MUS 24202 - Ear Training II (1)

Ear Training II is the second level in a series of four Ear Training courses taken together with MUS 24201 Music Theory II. Students will continue to develop aural skills and fluency in sight singing and listening skills at a more advanced level. Prepared exercises in singing, reading, and performance will demonstrate the student's ability to read music and translate it to sound. Students will also develop the ability to listen to music and translate it to notation.

Prerequisite: MUS 14101. Corequisite: MUS 24201. Offered: Fall.

MUS 25000 - Introduction to Music Technology (3)

This course is an introduction to the fundamental technologies of making music with computers. Topics covered include sound, analog and digital audio, audio hardware, recording, signal processing, digital audio workstations, MIDI sequencing and virtual instruments. Significant time will be spent developing music making skills in the digital environment. Additionally, computer music notation skills will be developed through several weeks of intensive Sibelius training.

Prerequisite: MUS 10000.

MUS 27200 - Content and Standards for K-12 Music Education (2)

The purpose of this course is to introduce K-12 instrumental and/or vocal/choral teacher candidates to the process of designing cohesive, standards-based programs of study.

Prerequisite: EDU 11100; EDU 20200.

MUS 304XX - Private Lessons (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 204XX. Offered: Fall/Spring.

MUS 30442 - Applied Music (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20442. Offered: Fall/Spring.

MUS 30443 - Private Lessons: Bassoon (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20443. Offered: Fall/Spring.

MUS 30445 - Private Lessons: Clarinet (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20445. Offered: Fall/Spring.

MUS 30446 - Private Lessons: Double Bass (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20446. Offered: Fall/Spring.

MUS 30448 - Private Lessons: French Horn (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20448. Offered: Fall/Spring.

MUS 30449 - Private Lessons: Guitar (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20449. Offered: Fall/Spring.

MUS 30450 - Private Lessons: Bass Guitar (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20450. Offered: Fall/Spring.

MUS 30451 - Private Lessons: Flute (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20451. Offered: Fall/Spring.

MUS 30452 - Private Lessons: Oboe (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20452. Offered: Fall/Spring.

MUS 30454 - Private Lessons: Percussion (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20454. Offered: Fall/Spring.

MUS 30455 - Private Lessons: Piano (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20455. Offered: Fall/Spring.

MUS 30456 - Private Lessons: Saxophone (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20456. Offered: Fall/Spring.

MUS 30457 - Private Lessons: Trombone (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20457. Offered: Fall/Spring.

MUS 30458 - Private Lessons: Trumpet (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20458. Offered: Fall/Spring.

MUS 30459 - Private Lessons: Tuba (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20459. Offered: Fall/Spring.

MUS 30460 - Private Lessons: Euphonium (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20460. Offered: Fall/Spring.

MUS 30461 - Private Lessons: Violin (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20461. Offered: Fall/Spring.

MUS 30462 - Private Lessons: Voice (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20462. Offered: Fall/Spring.

MUS 30466 - Private Lessons: Viola (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20466. Offered: Fall/Spring.

MUS 30467 - Private Lessons: Cello (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20467. Offered: Fall/Spring.

MUS 30469 - Private Lessons: Drum Set (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20469. Offered: Fall/Spring.

MUS 30470 - Private Lessons: Jazz Piano (1-2)

Courses with numbers 30442 through 30470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20470. Offered: Fall/Spring.

MUS 30471-30474 - Applied Lessons in Jazz and Contemporary Music (1-2)

Courses with numbers 30471 through 30474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20471-MUS 20474. Offered: Fall/Spring.

MUS 30471 - Applied Lessons in Jazz and Contemporary Music: Voice (1-2)

Courses with numbers 30471 through 30474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20471. Offered: Fall/Spring.

MUS 30472 - Applied Lessons in Jazz and Contemporary Music: Trumpet (1-2)

Courses with numbers 30471 through 30474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20472. Offered: Fall/Spring.

MUS 30473 - Applied Lessons in Jazz and Contemporary Music: Trombone (1-2)

Courses with numbers 30471 through 30474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20473. Offered: Fall/Spring.

MUS 30474 - Applied Lessons in Jazz and Contemporary Music: Saxophone (1-2)

Courses with numbers 30471 through 30474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 20474. Offered: Fall/Spring.

MUS 32200 - Case Studies in the Music Industry (3)

This course examines current events and recent developments in the music industry as they relate to the greater topics of music business including, marketing, promotion, record deals, live, licensing and publishing. This course is repeatable for a maximum of six credit hours.

Prerequisite: MUS 33030. Offered: Fall/Spring.

MUS 32500 - Keyboard Techniques (1)

This course is a practical study of accompaniment and improvisational techniques.

Prerequisite: A minimum score of 80 percent on the Piano Proficiency Exam.

MUS 32600 - Developing a Music Career (3)

This course is focused on developing techniques toward creating a meaningful career in the modern music industry. Topics to include grassroots fan development strategies, do-it-yourself talent management and promotion, performance practices and etiquette, etc. May include a performance component. Activity fee may apply.

Prerequisite: MUS 14100. Offered: Fall.

MUS 32900 - Jazz Keyboard Techniques (1)

The course covers jazz keyboard techniques. Topics include chord voicings, comping in various styles/rhythms, and walking bass lines. Students will develop a working knowledge of jazz keyboard harmony and performance ability on piano.

Prerequisite: MUS 21500 with a C or better.

MUS 33030 - The New Music Business (3)

This course is a study of the organization and operation of principle sectors of the music business. Students will discover and develop understanding for different career opportunities in the industry and how these careers interrelate. Areas of focus include music publishing, licensing, copyright, artist management, recording contracts, record labels, and basic entrepreneurial strategies.

Prerequisite: ENGL 17000. Offered: Fall.

MUS 33040 - Artist Development & Management Capstone (3)

This course builds on the foundational topics covered in the prerequisite Music Business I course. Emphasis on the multiple ways the music industry and its sectors use principles and techniques of marketing, promotion, management, and merchandising, including the

development, manufacturing, and retailing of musical products. Requires participation in a team-based project related to the music industry.

Prerequisite: MUS 33030. Offered: Spring.

MUS 33600 - Music Composition I (2)

This course is a supervised composition practicum. Primary objectives include composing coherent melodies, harmonic progressions, and bass lines. Shorter compositions will be written for small ensembles.

Prerequisite: MUS 34300.

MUS 33700 - Music Composition II (2)

This course is a supervised composition practicum. Primary objectives include expanding harmonic vocabulary and developing an individual compositional process. Longer compositions will be written for large ensembles.

Prerequisite: MUS 33600.

MUS 33800 - Electronic Music Composition (2)

This course is designed to cultivate contemporary composition techniques associated with electronic music and sound design. Various computer technologies will be utilized including Pro Tools, VST instruments, and digital signal processors.

Prerequisite: MUS 34300; MUS 38100.

MUS 33900 - Composition Seminar (1)

This course serves as a group discussion for student composers covering a variety of topics. Students and guest composers will present their works for discussion, analysis, and evaluation.

Prerequisite: MUS 33700.

MUS 34301 - Music Theory III (3)

This course is an extension of MUS 24201 and includes the following components: (a) Renaissance and Baroque Periods, including late Renaissance polyphony, two-voice eighteenth-century counterpoint, and the fugue; (b) chromatic harmony, including borrowed chords, Neopolitan sixth chords, and augmented sixth chords; and (c) the Classical Period, including variation technique, sonata form, and rondo forms.

Prerequisite: MUS 24201; MUS 24202. Corequisite: MUS 34302. Offered: Spring.

MUS 34302 - Ear Training III (1)

Ear Training III is the third level in a series of four Ear Training courses taken together with MUS 34301 Music Theory III. Students will continue to develop aural skills and fluency in sight singing and listening skills at a more advanced level. Prepared exercises in singing, reading, and performance will demonstrate the student's ability to read music and translate it to sound. Students will also develop the ability to listen to music and translate it to notation.

Prerequisite: MUS 24201; MUS 24202. Corequisite: MUS 34301. Offered: Spring.

MUS 34401 - Music Theory IV (3)

This course is an extension of MUS 34301 and includes the following components: (a) extended and chromatic harmony, including ninth, eleventh, and thirteenth chords, altered dominants, and chromatic mediants; (b) Nineteenth and Twentieth centuries, including the Romantic Period, the Post-Romantic style, Impressionism and related styles, the early Twentieth century, Twelve-Tone technique, and music since 1945.

Prerequisite: MUS 34301; MUS 34302. Corequisite: MUS 34402. Offered: Fall.

MUS 34402 - Ear Training IV (1)

Ear Training IV is the fourth level in a series of four Ear Training courses taken together with MUS 34401 Music Theory IV. Students will continue to develop aural skills and fluency in sight singing and listening skills at a more advanced level. Prepared exercises in singing, reading, and performance will demonstrate the student's ability to read music and translate it to sound. Students will also develop the ability to listen to music and translate it to notation.

Prerequisite: MUS 34301; MUS 34302. Corequisite: MUS 34401. Offered: Fall.

MUS 34500 - Contemporary Harmony (3)

This course examines common practices and music theory structures in popular music since 1900. Primarily, the genres of jazz, pop, rock, and funk will be explored in detail. Areas of music theory covered include, contemporary analysis, modal interchange, chord scale theory and nontraditional chord structures.

Prerequisite: MUS 24200.

MUS 35500 - History of Western Music I (3)

GE-Human Culture: Arts/Human Diversity This course is a study of Western art music (Middle Ages to 1750) in historical, stylistic, and cultural contexts.

Prerequisite: ENGL 17000; MUS 14100; sophomore standing. Offered: Fall.

MUS 35600 - History of Western Music II (3)

GE-Human Culture: Arts/Human Diversity This course is a study of Western art music (1750 to the present) in historical, stylistic, and cultural contexts.

Prerequisite: MUS 35500; ENGL 17000; sophomore standing. Offered: Spring.

MUS 35700 - World Music (3)

GE-Human Culture: Arts/Human Diversity This course is a study of non-Western musical cultures. Emphasis on the characteristics of the world's major musical traditions in historical, stylistic, and cultural contexts and vocabulary for effective analysis and description.

Prerequisite: ENGL 17000 and sophomore standing. Offered: Fall/Spring.

MUS 35800 - History and Analysis of Jazz and Contemporary Music (3)

This course is designed to explore the developments in jazz and contemporary music beginning with the groundbreaking bebop movement in the 50's to the present. Emphasis is placed on the evolution of compositional elements and harmonic approach, as well as the key figures of these conceptual milestones and their effect on the musical and social landscape.

Prerequisite: ENGL 17000 with a C or better; sophomore standing. Offered: Fall/Spring.

MUS 36000 - Instrumental Composition and Arranging (3)

This course is an instrumental composition and arranging practicum. Scores are produced for diverse combinations of string, woodwind, brass, percussion, and electronic instruments. Includes a range of styles and forms.

Prerequisite: MUS 24200.

MUS 36500 - Band and Orchestra Techniques (3)

This course offers study of performance objectives, assessment procedures, instructional strategies, literature, resources, and innovative approaches for developing superior concert bands, orchestras, pit bands, jazz bands, marching bands, and pep bands at the middle and high school levels. Includes clinical practice.

Prerequisite: MUS 38400. Offered: Fall.

MUS 36600 - Jazz and Contemporary Arranging (3)

This course is a study of the musical concepts of melody, rhythm, harmony, and form as applied to the principles and techniques of writing and arranging for the rhythm section and horns. This includes the study of lead-lines for solo instruments, two horns, and/or voice. Students study the properties of the trumpet, saxophone, and trombone. Students also explore the writing and arranging processes of standard and spread voicings, as well as approach techniques, melodic embellishment, and guide tone backgrounds. Students apply the writing processes to soli and background writing for two-, three-, four-, and five-part combinations of these instruments.

Prerequisite: MUS 34500 with a C or better.

MUS 37000 - Choral Composition and Arranging (3)

This course is a vocal/choral composition and arranging practicum. Scores are produced for diverse combinations of voices. Includes a range of styles and forms.

Prerequisite: MUS 24200.

MUS 37500 - Choral Techniques and Literature (3)

This course offers study of performance objectives, assessment procedures, instructional strategies, literature, resources, and innovative approaches for developing

superior choral ensembles at the middle and high school levels. Includes clinical practice.

Prerequisite: MUS 38500. Offered: Fall.

MUS 37601 - English Diction (1)

This course serves as a study of the International Phonetic Alphabet as applicable to vocal repertoire in English. Includes transcription of songs and arias.

Prerequisite: Two semesters of private voice lessons.

MUS 37602 - French Diction (1)

This course serves as a study of the International Phonetic Alphabet as applicable to vocal repertoire in French. Includes transcription of songs and arias.

Prerequisite: Two semesters of private voice lessons.

MUS 37603 - Italian Diction (1)

This course serves as a study of the International Phonetic Alphabet as applicable to vocal repertoire in Italian. Includes transcription of songs and arias.

Prerequisite: Two semesters of private voice lessons.

MUS 37604 - German Diction (1)

This course serves as a study of the International Phonetic Alphabet as applicable to vocal repertoire in German. Includes transcription of songs and arias.

Prerequisite: Two semesters of private voice lessons.

MUS 37800 - Opera Workshop (1)

Study, rehearsal, and stage production of full-length operas, opera scenes, or shorter, one-act operas. Includes instruction in voice, chorus, set design and construction, properties, make-up, lighting, publicity, and costumes. May be repeated for credit.

Prerequisite: Permission of dean. Corequisite: MUS 10462, MUS 20462, MUS 30462, or MUS 40462.

MUS 37900 - Vocal Pedagogy and Literature (3)

This course offers a broad overview of vocal literature of 18th, 19th, and 20th century as applicable to the solo singer as well as the study of the physiology of the vocal instrument, error detection and correction, the nuances of teaching private voice, and the historic traditions of vocal study. Includes clinical practice.

Prerequisite: Junior standing. Corequisite: MUS 10462, MUS 20462, MUS 30462, or MUS 40462.

MUS 38000 - Instrumental Pedagogy and Literature (3)

This course offers a broad overview of instrumental literature of the 16th, 17th, 18th, 19th, and 20th centuries as applicable to the solo instrumentalist, as well as the study of the nuances of teaching private lessons, error detection and correction, and the historic traditions of teaching instrumental technique as applied to the emphasis of the student. Includes clinical practice.

Prerequisite: Junior standing; concurrent enrollment in private lessons. Corequisite: MUS 104XX, MUS 204XX, MUS 304XX, or MUS 404XX.

MUS 38100 - Music Production and Recording I (3)

This course is an introductory examination of the processes, mechanics, and techniques of producing music of any style or genre and for any media application. Beginning with a musical seed and working toward a final mastered recording, the course will explore the entire process of music making. This is a hands-on computer lab course with many creative projects. Emphasis is placed on the technologies of music production including, Digital Audio Workstations (DAWs), MIDI, recording, audio editing/processing and mixing. Time will be dedicated to understanding some of the foundations of music theory in service of composing and songwriting, and the foundations of sound and audio in service of developing music technology skills.

Prerequisite: MUS 25000.

MUS 38200 - Music Production and Recording II (3)

This course is an extension of MUS 38100 and focuses on further development of production skills by examining advanced Pro Tools operation including recording, sequencing and mixing. Critical listening skills will be developed through analysis of recordings and audio ear-training. Significant time will be dedicated to developing composition skills. Includes several small projects designed to examine technical challenges, and projects with extensive creative components.

Prerequisite: MUS 38100.

MUS 38300 - Introduction to Conducting (3)

This course is a practical study of conducting fundamentals, including score reading, verbal and non-verbal conducting techniques, rehearsal strategies, and performance planning.

Prerequisite: Four credit hours of private lessons on major instrument, four credit hours of ensemble, and junior standing. Offered: Fall.

MUS 38400 - Advanced Conducting-Instrumental (3)

This course is an extension of MUS 38300. Includes advanced techniques for conducting and managing instrumental ensembles. Requires clinical practice and performance at the Student Conductors Concert.

Prerequisite: MUS 38300. Offered: Spring.

MUS 38500 - Advanced Conducting-Choral (3)

This course is an extension of MUS 38300. Includes advanced techniques for conducting and managing choral ensembles. Requires clinical practice and performance at the Student Conductors Concert.

Prerequisite: MUS 38300. Offered: Spring.

MUS 38600-38699 - Special Topics (1-6)

Special topics in music that may include a performance component. May be repeated for additional credit if taken under a different topic. Course fee may be required.

Prerequisite: Permission of dean.

MUS 38800 - Junior Recital (1)

This course is a formal recital representing partial culmination of applied studies. Course fee required.

Prerequisite: Concurrent enrollment in private lessons and permission of the dean. Corequisite: MUS 304XX or MUS 404XX. Offered: Fall/Spring.

MUS 404XX - Private Lessons (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: 304XX. Offered: Fall/Spring.

MUS 40442 - Applied Music (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30442. Offered: Fall/Spring.

MUS 40443 - Private Lessons: Bassoon (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30443. Offered: Fall/Spring.

MUS 40445 - Private Lessons: Clarinet (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30445. Offered: Fall/Spring.

MUS 40446 - Private Lessons: Double Bass (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30446. Offered: Fall/Spring.

MUS 40448 - Private Lessons: French Horn (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30448. Offered: Fall/Spring.

MUS 40449 - Private Lessons: Guitar (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30449. Offered: Fall/Spring.

MUS 40450 - Private Lessons: Bass Guitar (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30450. Offered: Fall/Spring.

MUS 40451 - Private Lessons: Flute (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30451. Offered: Fall/Spring.

MUS 40452 - Private Lessons: Oboe (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30452. Offered: Fall/Spring.

MUS 40454 - Private Lessons: Percussion (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30454. Offered: Fall/Spring.

MUS 40455 - Private Lessons: Piano (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30455. Offered: Fall/Spring.

MUS 40456 - Private Lessons: Saxophone (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30456. Offered: Fall/Spring.

MUS 40457 - Private Lessons: Trombone (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30457. Offered: Fall/Spring.

MUS 40458 - Private Lessons: Trumpet (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30458. Offered: Fall/Spring.

MUS 40459 - Private Lessons: Tuba (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30459. Offered: Fall/Spring.

MUS 40460 - Private Lessons: Euphonium (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30460. Offered: Fall/Spring.

MUS 40461 - Private Lessons: Violin (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30461. Offered: Fall/Spring.

MUS 40462 - Private Lessons: Voice (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30462. Offered: Fall/Spring.

MUS 40466 - Private Lessons: Viola (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30466. Offered: Fall/Spring.

MUS 40467 - Private Lessons: Cello (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30467. Offered: Fall/Spring.

MUS 40469 - Private Lessons: Drum Set (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30469. Offered: Fall/Spring.

MUS 40470 - Private Lessons: Jazz Piano (1-2)

Courses with numbers 40442 through 40470 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30470. Offered: Fall/Spring.

MUS 40471-40474 - Applied Lessons in Jazz and Contemporary Music (1-2)

Courses with numbers 40471 through 40474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30471-MUS 30474. Offered: Fall/Spring.

MUS 40471 - Applied Lessons in Jazz and Contemporary Music: Voice (1-2)

Courses with numbers 40471 through 40474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30471. Offered: Fall/Spring.

MUS 40472 - Applied Lessons in Jazz and Contemporary Music: Trumpet (1-2)

Courses with numbers 40471 through 40474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30472. Offered: Fall/Spring.

MUS 40473 - Applied Lessons in Jazz and Contemporary Music: Trombone (1-2)

Courses with numbers 40471 through 40474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30473. Offered: Fall/Spring.

MUS 40474 - Applied Lessons in Jazz and Contemporary Music: Saxophone (1-2)

Courses with numbers 40471 through 40474 are specialized private instruction. May be repeated for credit. Course fee required.

Prerequisite: MUS 30474. Offered: Fall/Spring.

MUS 40475 - Private Lessons: Jazz and Contemporary Composition (1-2)

This course is a composition practicum with an emphasis on techniques and compositional devices of jazz and contemporary music. Students will develop creative and analytical skills associated with contemporary composition through the implementation of several small projects, each presenting a unique set of problems.

Prerequisite: MUS 36600 with a C or better.

MUS 42000 - Guerrilla Music Marketing (3)

This course examines detailed strategies for marketing music and self-promotion. Topics include marketing, promotion, sales, publicity and fans. Intended for Music Business and Entrepreneurship and Arts and Entertainment Management majors, this course will provide practical, budget-minded, how-to directions for music marketing and branding.

Prerequisite: MRKT 35010; MUS 33040.

MUS 48800 - Senior Recital (1)

This course is a formal recital and culmination of the degree program. Course fee required.

Prerequisite: Piano Proficiency Exam; concurrent enrollment in private lessons; permission of the dean. Corequisite: MUS 404XX Offered: Fall/Spring.

MUS 48900 - Internship (3-6)

Supervised work experience for the advanced student which requires the application of principles, skills, and strategies within the discipline. Requires signed internship agreement by student, faculty of record, and supervisor representing host organization. May be repeated for a maximum of 6 credit hours.

Prerequisite: ENGL 17000 with a C or better; junior standing; permission of dean. Offered: Fall/Spring.

NPA - Nonprofit Administration

Nonprofit Administration (NPA) courses will continue to be listed in catalog year 2024/2025 for teaching-out purposes even though the nonprofit administration major, emphasis, and minor have been removed from the catalog.

NPA 13000 - Leadership (3)

This course provides an examination of some of the contemporary definitions of leadership, and developing a personal definition. Selected historical and contemporary models of leadership will be explored, as well as how individual styles compare to such models. Lastly, the application of the foundational areas of leadership to practical and real-life situations within the high school environment will be included. Dual credit high school only. Students must be of high school junior or senior standing, ideally nominated to participate.

NPA 19000-19999 - Special Topics in Nonprofit Administration (1-3)

This will be introductory nonprofit courses. Lab fee may be required.

NPA 20001 - Introduction to Nonprofit Organizations and Community Service (3)

This course will examine and discuss the role of nonprofit organizations in society. The focus will be on the political, social, cultural, and economic impacts including advocacy roles involving scientific, environmental, human services, and human rights issues and will include a volunteer component. Lab fee may be required.

Offered: Fall/Spring.

NPA 20100 - Nonprofit Administration Student Association (1)

This course involves the study and experience of the co-curricular program at Lindenwood University. The class works as a nonprofit organization to identify needs and responses as an organization. Students are expected to attend meetings and work on projects the student association agrees to do. This course may be taken for credit up to four times.

Offered: Fall/Spring.

NPA 20400 - Leadership Experience (1)

This course emphasizes active participation in leadership activities and the organization, staffing, training, financing, and programming of leadership activities. This course can be taken for credit up to four times. Lab fee required.

Offered: Fall.

NPA 29000-29999 - Special Topics in Nonprofit Administration (3)

Courses in topics pertinent to the management of nonprofit organizations. Lab fee may be required.

NPA 30000 - Fundraising (3)

This course examines the differences between for profit and nonprofit organizations and includes examination of philanthropy and techniques of fundraising, relationships with umbrella funding organizations, government funding, and budgeting. Lab fee may be required.

Offered: Spring.

NPA 30200 - Individual Giving and Special Events (3)

This course will examine the creation of an individual giving program and the planning and coordinating of a special event fundraiser for nonprofit organizations. Lab fee may be required.

Prerequisite: NPA 20001 or junior standing.

NPA 30300 - Human Resource Management (3)

This course will examine human resource management procedures as they affect business and nonprofit sectors. Students will explore human resource management from recruitment to selection of personnel, performance evaluation, compensation and benefits, and training and development issues for staff and volunteers. Special emphasis will be placed on the handling of grievances, diversity, discrimination, harassment, and selection and placement issues as they pertain to staff and volunteers. Lab fee may be required.

Prerequisite: NPA 20001 or junior standing. Offered: Spring.

NPA 32000 - Starting a Nonprofit Organization (3)

This experiential learning course will provide students with a conceptual framework and the practical skills of understanding, analyzing, and creating a responsive nonprofit organization based on local community needs. The course uses both a textbook and the hands-on development of an actual nonprofit, given a variety of steps and sequences along with hypothetical situations. The course will combine the study of nonprofit management principles through examination of a nonprofit client/case study. Students will gain real-world exposure to the dynamic forces (management, ethical, legal, technological, global, etc.) intersecting with starting a nonprofit organization. In addition to working with a nonprofit client, students will have an opportunity to develop and refine critical thinking, written, and oral communication skills in the development and presentation of their professional-caliber final consultation reports. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; NPA 20001.

NPA 34000 - Strategic Planning for Nonprofit Organizations (3)

This course is a review of the steps necessary to do a strategic plan for nonprofit organizations. Students will put together a strategic plan for a local nonprofit organization including an environmental assessment, mission review, discussion of key issues and the strategies for addressing those issues, and develop an implementation action plan. In addition, the class will discuss the process of evaluating programs and planning changes for existing program or development of new programs for a nonprofit organization. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; NPA 20001.

NPA 35100 - Volunteer Management (3)

This course examines concepts, issues, significance of the "voluntary society," recruitment, placement, and volunteer development and the focus is on basic human resource issues; managing diversity; strategies for recruiting, motivating, supervising and evaluating volunteer staff. Lab fee may be required.

Offered: Fall.

NPA 35200 - Management and Human Resource Practices for Nonprofit Organizations (3)

Management methods and human resources practices are applied in the specialized settings of nonprofit organizations in this course. Topics include management of agency staff, volunteers, and client services; program planning and service delivery; and public relations and marketing; trends in national and international philanthropy; the significance of nonprofit and cross-sector partnerships; and understanding the importance of advocacy and lobbying in the nonprofit sector; as well as developing services that effectively respond to diversity in the community. The course also presents effective techniques for supervision and problem solving through the application of human resource management procedures as they nonprofit sectors. Students will explore human resource management from recruitment to selection of personnel, performance evaluation, compensation and benefits, and training and development issues for staff and volunteers. Special emphasis will be placed on the handling of grievances, diversity, discrimination, harassment, and selection and placement issues as they pertain to staff and volunteers.

Prerequisite: ENGL 17000 with a C or better; NPA 20001, MGMT 26032 or junior standing. Offered: Spring.

NPA 36000 - Leadership in Nonprofit Organizations (3)

This course explores the various techniques for exercising influence in structured situations. The emphasis is on leadership research and techniques including the development of attitudes and action for effective leadership. Content includes issues of ethics and professional integrity within the nonprofit sector. Lab fee may be required.

Prerequisite: NPA 20001 or junior standing. Offered: Fall.

NPA 37100 - Grantwriting (3)

This course examines philanthropic grant writing and techniques of fund development. The focus is on relationship building in resource development; writing grants, understanding relationships with umbrella funding organizations, government funding, grantsmanship, and budgeting. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

NPA 37601 - Nonprofit Leadership Conference (3)

The annual Nonprofit Leadership Conference is a capstone experience for students. The purpose of the conference is to expose social sector leaders to a vibrant learning experience centered around six central core competencies: Planning, Governance, Finance/Legal, Fund Development, Communication, Evaluation, and Historical Perspectives.

NPA 38300 - Marketing for Nonprofit Organizations (3)

This course will examine and teach how to create a marketing plan for a nonprofit organization identifying the targets of the plan and addressing what is known as the four P's of marketing: place, public, price and promotion. Lab fee may be required.

Prerequisite: NPA 20001 or junior standing.

NPA 38400 - Program Planning and Evaluation (3)

This course examines the theory behind program outcomes and organizational process evaluation. Students will learn how to create an outcomes evaluation model, understand the importance of evaluation to nonprofit organizations, among others. Lab fee may be required.

Prerequisite: ENGL 17000.

NPA 38500 - Nonprofit Budgeting and Financial Management (3)

This course provides an overview of principles and practices of financial management within nonprofit organizations. Topics covered include appropriate procedures for handling income receipts; developing a budget; reporting mechanisms and requirements, and reading and interpreting financial statements. Emphasis on the unique and accessible presentation of the rules specific to the nonprofit sector while building a framework to access and apply financial information more effectively. Lab fee may be required.

Prerequisite: NPA 20001 or junior standing. Offered: Fall.

NPA 45000 - Practicum (3-6)

Under the supervision of agency personnel, students will observe and practice nonprofit administration management skills. This course requires 150 hours of participation at a nonprofit agency.

Prerequisite: ENGL 17000 with a C or better; NPA 38400; permission of dean. Offered: Fall/Spring.

NPA 45100 - Nonprofit Leadership Alliance Internship (3)

Under the supervision of agency personnel, students will observe and practice nonprofit administration management skills. This course requires 150 hours of participation at a nonprofit agency.

Prerequisite: ENGL 17000, NPA 35200, permission of the dean, faculty advisor, internship coordinator, junior standing, cumulative 2.5 GPA overall, and cumulative 3.0 GPA in all required degree courses. Offered: Fall/Spring.

NPA 48000 - Senior Seminar (3)

This required capstone seminar must be completed during the last year of baccalaureate study. It provides an opportunity for discussion of professional standards and ethics and an evaluation of case studies related to nonprofit organizations or leadership and management skills.

Prerequisite: Senior status and nonprofit administration program of study. Offered: Spring.

NPA 49000-49999 - Special Topics in Nonprofit Administration (1-6)

This course is a directed study in the management of nonprofit organizations and includes study of unique situations, conditions, and circumstances that occur in nonprofit organizations. Topics may include courses on Program Evaluation, Capital, Endowment and Planned Giving Campaigns, and Major Gifts and Corporate Relations. May be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Permission of dean.

NURS - Nursing

NURS 30100 - Professional Identity and Practice: Transitioning to Nursing Leadership (3)

This course introduces students to professional nursing and explores the identity, values, philosophy, standards, and challenges that define professional nursing practice. Students are exposed to the history of and trends in professional nursing; the various nursing roles, methods, and philosophical basis for knowledge and skills acquisition; the role of critical thinking and application of evidence-based principles to the nursing process; beginning development of professional solid communication skills; information literacy; and the development and delivery of professional nursing care.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 31100 - Comprehensive Health Assessment for the Registered Nurse (3)

Health assessment and physical examination integrate theoretical knowledge and interpersonal skills to serve as the foundation of the nursing process. The course prepares baccalaureate nursing students to utilize the principles of comprehensive health assessment, physical examination, and wellness promotion in the holistic patient care of individuals and families throughout the developmental stages of the life span. Students will apply and practice assessment skills in communication, relationship building, interviewing, gathering of subjective and objective patient data, and documentation. The course applies a lifespan approach to diverse individuals' physical health assessment concepts and principles. Integration of examination skills is explored within the dimensions of the pathophysiological changes occurring during alterations in health. Considerations for assessment include growth and development, psychological, sociocultural, and spiritual health of individuals.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 38000 - Research, Statistics, and Scholarship in Professional Health Practice (3)

This course introduces the baccalaureate student nurse to the nursing research process, evidence-based practice methodology, and standard statistical practices and applications for health sciences. Students will learn to apply evidence-based practice methodology and utilize nursing research in the clinical setting to improve patient outcomes. The application of nursing science to clinical reasoning, clinical judgment, and interprofessional research collaboration will be addressed. The ethical conduct of research and scholarship will be discussed. The baccalaureate nurse's contributions to research and evidence-based practice in improving patient care and outcomes will be studied.

Prerequisite: MTH 14100 or equivalent; Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 41000 - Informatics in Professional Nursing Practice (3)

This course introduces health informatics, including the interdisciplinary study of IT-based innovations' design, development, adoption, and application in healthcare services delivery, management, and planning. Students learn foundational concepts of health informatics, including theoretical foundations of informatics; information systems in health care delivery; participatory health care and quality; usability and standards in health informatics; governance and organizational structures for health informatics; and future directions for the science and profession.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 42000 - Healthcare Economics and Policy (3)

This course explores the organization, management, financing, and reimbursement of healthcare services within complex, rapidly changing healthcare delivery systems. Important legal, ethical, political, and advocacy principles and their impact on health care, especially for vulnerable populations, are emphasized, focusing on equity, access, affordability, and social justice. Ethical decision-making and conflict-resolution skills are developed. A review of regulatory agency policies that impact nursing practice, scope, and roles is included in the course.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 43000 - Transforming Healthcare Through Organizational Systems, Quality, and Safety (3)

This course offers the student an understanding of healthcare quality improvement, including methods and tools to increase patient safety, improve healthcare outcomes and reduce risk in the healthcare setting. It focuses on applying expert knowledge and management expertise to the multiple challenges managers face in healthcare organizations. Particular emphasis is placed on the role of work teams in quality improvement and risk reduction, including understanding the critical success factors for effective team performance. Additional reading and course discussions include assessing risk in complex healthcare organizations and assessing the value of different management techniques to monitor, anticipate, reduce, and eliminate disruptive and dangerous risks. The fundamental objective of this course is for the student to apply quality and risk management principles in diverse healthcare environments to improve patient safety and clinical outcomes.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 44100 - Interprofessional Collaboration and Leadership for Registered Nurse (4)

This course prepares the professional nurse to coordinate care, lead teams, and demonstrate high-level decision-making within diverse healthcare settings. Emphasis is placed on leadership and management theory and concepts, delegation and supervision of licensed and non-licensed assistive personnel, and a systems approach focusing on the quality and safety of client care. The course will discuss leadership models, behavior, and strategic planning at various organizational levels. Students will also learn concepts of organizational structure, healthcare delivery systems, change management, budgeting and resource allocation, and collaboration with multidisciplinary teams. A mentored leadership and management clinical experience will allow students to apply leadership theories and principles discussed during the course.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 45000 - Healthcare Promotion and Practice in Public Health and Communities (3)

This course provides a conceptual foundation for public and community health nursing in which the community is the client's primary intervention focus. Students learn about delivering care to populations and aggregates using the core public health functions framework of assessment, policy development, and assurance. The changing needs of an increasingly culturally diverse population and the environmental, economic, political, and legal influences impacting the health of groups and communities are examined. Students integrate and apply concepts of epidemiology, health policy, strategies to facilitate health promotion and prevention, and evidence-based practice in conducting a community assessment and planning care for a population or aggregate. Learning activities focus on the community and provide opportunities for students to theoretically apply epidemiology, public health science, and professional nursing at the population and aggregate level.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 46000 - Advancing the Nursing Profession: Expanded Practices and Roles (3)

This course prepares the professional nurse to extend the vision for the nursing profession into the future and chart a path for the nursing profession to help the nation create a culture of health, reduce health disparities, and improve the health and well-being of the U.S. population in the 21st century. Students consider emerging evidence related to the COVID-19 global pandemic and include recommendations regarding the role of nurses in responding to the crisis created by the pandemic. Students examine the lessons learned from past and current nursing practices, roles, responsibilities, and the current state of science and technology to inform their assessment of the nursing profession's capacity to meet the anticipated health and social care demands in the coming decades. In examining current and future challenges, students consider the dramatically transformed context of professional nursing and the rapidly deployed changes in clinical care, nurse education, nursing leadership, and nursing-community partnerships due to the pandemic and the implications and considerations for future professional nursing practice. In examining the future decades of nursing, students draw from domestic and global examples of evidence-based models of care that address social determinants of health and help build and sustain a culture of health.

Prerequisite: Admission to Nursing Program. Offered: Fall/Spring/Summer.

NURS 48100 - BSN Capstone for the Registered Nurse (4)

This course is designed for professional nursing students to systematically apply and synthesize skills and knowledge

from their baccalaureate coursework to the healthcare practice setting through a mentored leadership and management clinical experience. Students develop and plan for the implementation and evaluation of a project to lead a healthcare system change initiative aimed at improving wellness outcomes and nursing practice in the healthcare environment. The course and project will emphasize professional nursing concepts such as assessment, evidence-based practice, safety and quality, health policy, community health, and leadership in transitioning to professional nursing practice in a transforming healthcare environment. In addition, each student will complete a portfolio outlining professional nursing growth throughout the program and include identifying goals for continued professional development and lifelong learning.

Prerequisite: All general education and nursing prerequisites (or course equivalents) and all 30000- and 40000-level nursing courses. Offered: Fall/Spring/Summer.

PARA - Paramedicine

PARA 22100 - Emergency Medical Technician Clinical (1)

Students will perform clinical rotations at program hospitals and clinics to develop EMT skills and competencies under the supervision of licensed clinical preceptors. CPR certification, medical screening, current vaccinations, criminal background check, and drug screen required. Evening and weekend rotations may be required. Lab fee may be required.

Corequisite: PARA 22200; PARA 22300.

PARA 22200 - Emergency Medical Technician Lab (3)

This course is the laboratory component of the Emergency Medical Technician course. This course focuses on hands on skills training and simulation. The lab course will cover all required skills dictated by State of Missouri Bureau of EMS and National Registry of Emergency Medical Technicians.

Corequisite: PARA 22100; PARA 22300.

PARA 22300 - Emergency Medical Technician (6)

This course is the lecture component of the Emergency Medical Technician program. Topics covered include foundations of profession, Anatomy and Physiology, Pathophysiology, Pharmacology, Airway Management, Patient Assessment, Medical Care, Trauma Care, working with special patient populations, and EMS operations. Successful completion of this courses along with EMT lab and EMT clinical course meets the requirements to apply for registration with the National Registry of Emergency Medical Technicians.

Corequisite: PARA 22100; PARA 22200.

PARA 24000 - Medical Documentation (2)

This technical writing and writing intensive course will provide students with fundamental principles of medical documentation. Topics include general principles of medical documentation, documentation of a patient history and physical, clinical interventions, responses to interventions, and transfer of care. The course will cover legal documentation topics including, confidentiality, privacy, HIPPA, documentation of incident reports, documenting patients who decline medical advice and/or treatments, and creating a legally defensible report. The course will cover principles of electronic record keeping and cumulate in the systematic creation of the integrated prehospital patient care report. Lab fee may be required.

PARA 30000 - Human Pathophysiology (3)

This course will teach principles of human pathophysiology including the correlation of pathophysiology with disease processes for all body systems. Topics such as basic cellular review, alterations in cells and tissues, cellular injury, the cellular environment, genetics and familial diseases, hypoperfusion, general principles of shock and shock management, self-defense mechanisms, inflammation, variances in immunity and inflammation, and stress and disease.

Prerequisite: BSC 22700 and BSC 22800 both with a C or better.

PARA 31200 - Pharmacology (4)

Students will be taught principles of pharmacology including medication safety, legislation, nomenclature, classifications, schedules, pharmacokinetics, pharmacodynamics, storage and security, autonomic pharmacology, metabolism and excretion, mechanism of action, phases of medication activity, medication response relationships, medication interactions, and toxicity.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 32000 - Physical Examination and Assessment (3)

Students will learn principles and techniques of physical examination and assessment in both the clinical and prehospital settings. Clinical examination areas include interview techniques, obtaining a patient history, techniques of physical examination and assessment and the integrated physical examination. Prehospital examination topics include scene size-up, primary assessment, history taking, secondary assessment, monitoring devices and reassessment.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 32500 - Paramedic Skills Lab (2)

This is the first laboratory course in the paramedic program beyond EMT skills. This course is primarily hands on

skills training. The lab course will cover all required skills designed by State of Missouri Bureau of EMS, National Registry of Emergency Medical Technicians, and the National EMS Standards.

Prerequisite: Paramedic Program Director Approval.
Offered: Spring.

PARA 33000 - Paramedic Airway Management (2)

Students will review basic principles of airway management and learn advanced principles and techniques of airway management. Topics covered include relevant anatomy and physiology, assessment, pathophysiology of respiration, assessment of respiration, supplemental oxygen therapy, artificial ventilation, minute ventilation, alveolar ventilation, and the effects of artificial ventilation on cardiac output.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 34800 - Paramedicine Clinical I (2)

Students will perform clinical rotations at program hospitals and clinics to develop paramedic skills and competencies under the supervision of licensed clinical preceptors. Lab fee may be required.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 35100 - Cardiac Electrophysiology and EKG (3)

This course will focus on the heart's electrical system. Students will learn the heart's electrical conduction pathways and the structure of special cardiac pacemaker cells. Students will study medical conditions that cause abnormalities in cardiac electrical activity. Students will learn to recognize cardiac dysrhythmias on the EKG rhythm strip and 12 lead EKG concepts. Instruction will include distinct types of heart attacks and acute treatments. Electrical corrective therapies will be taught in the form of cardioversion, defibrillation, and transcutaneous pacing.

Prerequisite: Paramedic Program Director Approval.
Offered: Fall.

PARA 36100 - Medical Emergencies I (3)

This course assessment and treatment of medical emergencies. This is the first course in a 2-course sequence and focused on abdominal/gastrointestinal disorders, immunology, infectious diseases, endocrine disorders, genitourinary/renal disorders, non-traumatic musculoskeletal disorders and diseases of the eyes, ears, nose and throat.

Prerequisite: Paramedic Program Director Approval.
Offered: Fall.

PARA 36200 - Medical Emergencies II (3)

This course assessment and treatment of medical emergencies. This is the second course in a 2-course sequence and focused on neurology, cardiology, psychiatric disorders, toxicological issues, respiratory

disorders/pulmonology, hematological disorders, genitourinary/renal disorders, and gynecological disorders.

Prerequisite: Paramedic Program Director Approval.
Offered: Spring.

PARA 37100 - Special Populations in Paramedicine (3)

This course will teach the unique and specific pathophysiology, assessment and management of special patient populations. Students will learn to assess and manage obstetrical patients, neonatal patients, pediatric patients, geriatric patients, and patients with special challenges.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 38100 - Trauma Paramedicine (3)

This course will teach the unique and specific pathophysiology, assessment and management of patients with traumatic injuries. Students will learn to assess and manage bleeding and shock, thoracic trauma, abdominal trauma, genitourinary trauma, orthopedic trauma, soft tissue trauma, head, face and neck trauma, spinal trauma, nervous system trauma, burns, environmental emergencies, multi-system trauma and trauma in special populations.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 38500 - Paramedic Simulation Lab I (2)

Students continue applying the knowledge and skills they have learned in paramedicine and apply it to patients in simulation lab environments. Simulations will be comprehensive and begin developing treatment plans via real-life type scenarios that teach the paramedic to deal with the stress of working in real field environments. This is the first course in a two-course sequence developing paramedic student's integrative abilities.

Prerequisite: Paramedic Program Director Approval.
Offered: Spring.

PARA 38900 - Paramedicine Clinical II (3)

Students will perform clinical rotations at program hospitals and clinics to develop paramedic skills and competencies under the supervision of licensed clinical preceptors. Evening and/or weekend classes may be required. Lab fee may be required.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Spring.

PARA 40200 - Current Issues in Paramedicine (3)

This course is designed to assist the paramedic student with integrating their cumulative paramedic education with their baccalaureate studies in order to be a bachelor prepared paramedic. Various topics in paramedicine will be discussed with a focus on current issues in the profession, challenges and leadership. Students will also be required to create a career portfolio that demonstrates their

professional education and experience in a meaningful way.

Prerequisite: Current paramedic license. Paramedic Program Director approval. Offered: Spring.

PARA 40500 - Paramedic Simulation Lab II (2)

Students continue applying the knowledge and skills they have learned in paramedicine and apply it to patients in simulation lab environments. Simulations will be comprehensive and advance development in more complex patient situations and scenarios. This is the second course in a two-course sequence developing paramedic student's integrative abilities.

Prerequisite: Paramedic Program Director Approval. Offered: Spring.

PARA 41000 - Paramedicine Clinical III (3)

Students will perform clinical rotations at program hospitals and clinics to develop paramedic skills and competencies under the supervision of licensed clinical preceptors. Evening and/or weekend classes may be required. Lab fee may be required.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 41200 - Paramedic Field Internship (5)

Students will perform as a paramedic on an advanced life support ambulance under the direct supervision of a licensed paramedic preceptor. Students will be expected to manage all aspects of a prehospital incident including scene management, patient assessment and patient management. Students will complete all field hours and competencies required for National Registry certification and Missouri state licensure as a paramedic. Evening and/or weekend classes may be required. Lab fee may be required.

Prerequisite: Admission to paramedic cohort. Paramedic Program Director approval. Offered: Fall.

PARA 43000 - Principles of Adult Education (3)

This course is designed to prepare entry-level Paramedic educators to teach initial and continuing paramedic education courses. This course meets the 2002 National Highway Traffic Safety Administration National Guidelines for Educating EMS Instructors. Topics covered include roles and responsibilities, administrative issues, legal issues, ethics, learning environments, learning styles, goals and objectives, lesson plans, presentation skills, evaluation techniques, facilitation techniques, communication/feedback, motivation, teaching thinking skills, teaching psychomotor skills, affective domain, discipline, remediation, cultural awareness, teaching resources and research. Students who successfully complete the course with a C or better will be certified as a Missouri EMS Instructor.

Prerequisite: Paramedic Program Director approval. Offered: Fall.

PARA 43100 - Laboratory Skills Instruction (3)

This course is designed to teach Paramedic and EMT instructors how to educate students during psychomotor skills and simulation exercises. Topics covered will include principles of kinesthetic and psychomotor learning, National Registry psychomotor skills portfolio requirements, laboratory set-up and administration, effective laboratory time management, human resources management, equipment set up and maintenance, principles of moulage, general principles of simulation training, briefing and debriefing of students and evaluation of psychomotor and simulation skills.

Prerequisite: Paramedic Program Director approval. Offered: Fall.

PARA 43200 - Course Design and Development (3)

This course will teach principles of effective course design and development. Students will learn how to create course learning outcomes that support program and institutional learning outcomes. Students will also learn how to integrate individual didactic, skills, and simulations lessons into a single cohesive course. Course evaluation metrics and feedback is also discussed.

Prerequisite: Paramedic Program Director approval. Offered: Spring.

PARA 43300 - Student Teaching Practicum (3)

This course is designed for entry-level paramedic educators to learn how apply principles of paramedic education in the didactic and laboratory settings. Students will be paired with a veteran paramedic educator and will assist in teaching a didactic course and a laboratory course under direct supervision. Students will be expected to integrate their knowledge of paramedicine and principles of education to effectively plan, manage and teach a didactic and laboratory EMS course. Students will have to demonstrate mastery of the following skills: lesson plans, course administration, lecture, student evaluation, skills lab administration, skills lab instruction, simulation instruction, conflict resolution and successful transfer of knowledge to students. Lab fee may be required.

Prerequisite: Paramedic Program Director approval. Offered: Spring.

PARA 47101 - Critical Care Paramedicine I (3)

This course is one of two courses that together covers the Critical Care Paramedicine Curriculum. At the end of the two courses, students will have the didactic knowledge portion to sit for various Critical Care Certification examinations including Critical Care Paramedic – Certified and Flight Paramedic - Certified. Critical Care Paramedic I covers the following topics:

- Medical Legal Issues

- Patient Safety
- Flight Physiology
- Patient Assessment
- Respiratory Management
- Airway Management
- Pharmacology
- Laboratory Analysis
- Shock
- Resuscitation
- Trauma
- Neurology
- Burns
- Advanced 12-lead ECG Analysis
- Hemodynamic Monitoring

Prerequisite: Current Paramedic License/Certification or approval by the Paramedic Program Director. Offered: Fall.

PARA 47102 - Critical Care Paramedicine II (3)

This course is one of two courses that together covers the Critical Care Paramedicine Curriculum. At the end of the two courses, students will have the didactic knowledge portion to sit for various Critical Care Certification examinations including Critical Care Paramedic – Certified and Flight Paramedic - Certified. Critical Care Paramedic II covers the following topics:

- Trauma
- Burns
- Neurologic Emergencies
- Gastrointestinal Emergencies
- Genitourinary Emergencies
- Endocrine Emergencies
- Environmental Emergencies
- Infectious and Communicable Diseases
- Toxicological Emergencies
- Obstetric and Gynecologic Emergencies
- Neonatal and Pediatric Emergencies
- Special Considerations

Prerequisite: Current Paramedic License/Certification or approval by the Paramedic Program Director. Offered: Fall.

PARA 47103 - Critical Care Paramedicine Lab (1)

This course is the laboratory component of the Critical Care Paramedic Series. This course combines didactic study with hands on skills training and simulation. The lab course will cover the following topics:

- Airway Management Review
- Rapid Sequence Induction/Intubation
- Ventilator Setup and Management
- Lab Collection and Analysis
- Chest Tube Insertion and Management
- Hemodynamic monitoring
- Cardiac Assist Devices
- Pericardiocentesis/Pericardial Window
- Intracranial Pressure Monitoring
- Nasogastric/Orogastric Catheter Insertion and Maintenance
- Foley Catheter Insertion and Maintenance
- IV Infusion Pumps and Vasoactive Medications
- Obstetrical, Pediatric, and Neonatal skills
- Ultrasound Procedure and Analysis
- Cardiac Specific Skills

Prerequisite: Current Paramedic License/Certification or approval by the Paramedic Program Director. Offered: Fall/Spring/Summer.

PARA 47104 - Critical Care Paramedicine Clinical Practicum (2)

This course is the clinical practicum component of the Critical Care Paramedic Series. This course provides students with clinical opportunities to observe and treat critically ill and injured patients in the clinical setting with preceptor oversight and supervision.

Prerequisite: Current Paramedic License/Certification or approval by the Paramedic Program Director. Offered: Fall.

PE - Physical Education

PE 1000 - Team Sports (Competitive Sports) (1)

PE 10100 - Lifetime Sports I (1)

PE 10200 - Lifetime Sports II (1)

PE 10300 - Volleyball (1)

PE 10400 - Softball (1)

PE 10500 - Track and Field (1)

PE 10600 - Flag Football (1)

PE 10700 - Basketball (1)

PE 10800 - Soccer (1)

PE 10900 - Wrestling (1)

PE 11000 - Golf (1)

PE 11200 - Trap/Skeet Shooting (1)

Not open to students with credit in REC 12000.

PE 12000 - Weight Lifting I (1)

PE 12100 - Weight Lifting II (1)

PE 12200 - Orienteering (1)

Not open to students with credit in REC 12500.

PE 12600 - Aerobic Dance for PE Teachers (1)

PE 12700 - Swimming I (1)

PE 12900 - Lifeguarding (1)

PE 13000 - Water Aerobics (1)

PE 13100 - Bowling (1)

PE 13200 - Lifetime Sports (1)

PE 13300 - Tennis I (1)

PE 13400 - Tennis II (1)

PE 13500 - Badminton (1)

PE 13600 - Scuba (1)

Not open to students with credit in REC 13600.

PE 13700 - Archery (1)

Not open to students with credit in REC 13700.

PE 13800 - Racquetball (1)

PE 13900 - Pickleball (1)

PE 14000 - Plyometrics (1)

PE 14100 - Self Defense I (1)

PE 14200 - Cardiovascular Fitness (1)

PE 14300 - Self Defense II (1)

Prerequisite: PE 14100

PE 14400 - Camping (1)

Not open to students with credit in REC 14400.

PE 14500 - Bicycling (1)

Not open to students with credit in REC 14500.

PE 14800 - Hiking (1)

Not open to students with credit in REC 14800.

PE 14900 - Canoeing (1)

Not open to students with credit in REC 14900.

PE 15000 - Foundations of Physical Education (3)

This course is an introductory study of health and physical education intended to help students decide if they wish to major in physical education. The history of physical education is examined with the goal of guiding students in the discovery of themselves and their career interests.

Offered: Fall.

PE 15100 - Table Tennis (1)

PE 15200 - Rappelling (1)

Not open to students with credit in REC 15200.

PE 15300 - Officiating of Team Sports (1)

PE 15400 - Billiards and Pool (1)

PE 15500 - Swimming II (1)**PE 15600 - Fencing (1)****PE 15700 - Advanced Lifeguarding/Lifesaving (1)****PE 15800 - Fishing and Fly Tying (1)****PE 15900 - Advanced Fishing and Fly Tying (1)**

Prerequisite: PE 15800

PE 16100 - Outdoor Education (1)

Not open to students with credit in REC 16100.

PE 18200 - Lifeguard Training (1)**PE 18300 - Lifeguard Management (1)****PE 20100 - Wellness Concepts (1)**

Students will be introduced to the following areas of wellness: physical, mental, social, spiritual, and environmental. Students will explore how each area affects health and well-being. Strategies to be used in everyday life will be discussed and active participation is required.

PE 20300 - Adventure Education and Leadership (3)

This course includes the study of group dynamics and the team building process. Students will learn the facilitation process and a variety of leadership skills designed to deliver effective team initiative and cooperative experiential learning experiences. Briefing, debriefing, processing, activity sequencing, group development, communication strategies, and activity delivery will be the learning components discussed and experienced in this course. (Not open to students with credit in REC 20300). (PE majors receive three credit hours of lifetime activities towards degree requirements).

PE 26200 - Marathon Course (2)

This is a running/walking course that will guide the student to completing a half marathon (13.1 miles) or full marathon (26.2 miles). This course is designed to be fun, exciting, and physically demanding at times. The student will develop high levels of aerobic fitness and will attain the capacity to complete long distances running at a steady pace. The student will become efficient in running/walking under various conditions such as hills, wind, heat, and cold as well as learn how to perform tempo runs. The student will also develop an understanding of biomechanics, physiology, nutrition, limitations, and necessary preparations to successfully complete a marathon/half

marathon. Long runs will be on Saturdays at various running trails throughout the St. Louis area including the Boone Home Campus, Katy Trail, Creve Coeur Park, Forest Park and Grant's Trail. (PE majors receive two credit hours of lifetime activities towards degree requirements).

PE 27000 - Introduction to Fly Rod Building and Trip Preparation (1-3)

This course is an introduction to fly rod building and trip preparation. Objectives include blank selection, tools, adhesives, bonding techniques, finding the spine of the rod, guide placement, rod wrapping, preparing to fish with your new rod, safety, ethics and conservation.

PE 27001 - Advanced Rod Building (1-3)

This course includes skills in advanced rod building. Objectives include advanced blank selection, techniques, alternate guide placement, decorative rod wrapping, safety, ethics and conservation.

Prerequisite: PE 27000.

PE 31800 - Coaching with Character (3)

This course is required for all physical education majors. This course examines the complex relationships between a coach and their responsibilities to teach values to the team, parents, school, and the community. The student will analyze and evaluate the research in this field. Situations and behavior patterns will also be examined to help coaches make the right decisions.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

PE 33000 - Psychological Aspects of Physical Education (3)

This course includes the theoretical foundations and historical perspectives of sport psychology, altered states of consciousness, the sport personality, motivation, arousal, anxiety, attention, aggression, self-regulation of psychological processes, sport leadership, humanism in sports, cohesiveness, sex roles, social psychological aspects of play, and research methodology.

Prerequisite: PSY 10000.

PE 33100 - Analysis and Teaching of Lifetime Sports (2)

This course includes the study of skill analysis and techniques of teaching team sport activities. An emphasis will be given to exercise, history, strategy, rules, materials, and teaching of the various activities. The students will have opportunities to plan and teach activities through the use of micro and peer-teaching.

Prerequisite: HFS 21500 or PE 15000.

PE 34900 - Organization and Administration of Health and Physical Education (3)

This course includes a study of the organization and administration of the health and physical education program with consideration of such problems as critical issues and present trends, professionalism, class management, facilities, equipment and supplies, budget, intramural programs, and interschool athletics.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

PE 35000 - Theory and Methods of Coaching Football (3)

This course helps prepare students to coach the game of football. Emphasis will be placed on offensive and defensive theory, the kicking game, scouting, and the components of a successful football program.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall/Spring.

PE 35100 - Theory and Methods of Coaching Basketball (3)

This course includes the study of the rules, regulations, and traditions of basketball along with practical techniques for conditioning players, supervising effective practice, planning games, and effective supervision of players during games.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall/Spring.

PE 35200 - Theory and Methods of Coaching Softball and Baseball (3)

This course includes the study of the game of baseball including the rules, important technology, conditioning the players, the fundamentals of offensive play, the fundamentals of defensive play, the promotion of teamwork, an array of practice techniques, the use of teamwork in successful play, and game coaching.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall/Spring.

PE 35300 - Theory and Methods of Coaching Track and Field (3)

This course includes the study of track and field theories, events, history, and outstanding coaches. The student is prepared to coach track and field events.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall/Spring.

PE 35400 - Theory and Methods of Coaching Volleyball (3)

This course includes the study of knowledge, skills, and techniques necessary for coaching volleyball. It includes learning how the skills are performed and participating therein. Practical experience in teaching volleyball is included.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall.

PE 35500 - Theory and Methods of Coaching Soccer (3)

This course is a study of coaching soccer. Emphasis will be placed on specific conditioning for soccer, the technical skills of the game, teamwork, offenses, defenses, the psychology of soccer play, and the game behavior of the coach.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000. Offered: Fall.

PE 35600 - Theory and Methods of Coaching Weight Training (3)

This course is designed to prepare students to teach and supervise weight training programs in athletic, recreational, and physical education class environment.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000.

PE 35700 - Theory and Methods of Coaching Wrestling (3)

This course will prepare students to coach interscholastic wrestling. The areas of study include history, rules, scoring, technology, conditioning, offensive/defensive maneuvers, and actual "on the mat" practice. Additionally, planning and supervising effective practice sessions and administering dual meets and tournaments will be covered.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000.

PE 35800 - Theory and Methods of Coaching Aquatic Sports (3)

This course will prepare students to coach aquatic sports. Emphasis will be placed on specific conditioning, techniques of each event, and teamwork. Meet administration will also be discussed.

Prerequisite: AT 28500, EXS 25000, HFS 20800, HFS 21500, or PE 15000.

PE 42052 - Practicum in Coaching Baseball/Softball (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of baseball/softball. The student may not complete this requirement during season if the student is a participant in baseball or softball. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of either the baseball team or the softball team, who will also serve as the supervisor/instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/instruction will be shared between the head coach and a physical education faculty member.

Prerequisite: PE 35200; senior standing.

PE 42053 - Practicum in Coaching Track and Field (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of track and field. The student may not complete this requirement during season if the student is a participant in track and field. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of the track and field team, who will also serve as the supervisor/instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/ instruction will be shared between the head coach and a physical education faculty member.

Prerequisite: PE 35300; senior standing.

PE 42054 - Practicum in Coaching Volleyball (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of volleyball. The student may not complete this requirement during season if the student is a participant in volleyball. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of the volleyball team, who will also serve as the supervisor/ instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/instruction will be shared between the head coach and a physical education faculty member.

Prerequisite: PE 35400; senior standing.

PE 42055 - Practicum in Coaching Soccer (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of Soccer. The student may not complete this requirement during season if the student is a participant in soccer. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of soccer team, who will also serve as the supervisor/ instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/instruction will be shared between the head coach and a physical education faculty member.

Prerequisite: PE 35500; senior standing.

PE 42056 - Practicum in Coaching Weight Training (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of weight training. The student may not complete this requirement during season if the student is a participant in weight training. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of the weight training team,

who will also serve as the supervisor/ instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/ instruction will be shared between the head coach and a physical education faculty member.

Prerequisite: PE 35600; senior standing.

PE 42057 - Practicum in Coaching Wrestling (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of Wrestling. The student may not complete this requirement during season if the student is a participant in Wrestling. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of the Wrestling Team who will also serve as the supervisor /instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/instruction will be shared between the head coach and a Physical Education faculty member.

Prerequisite: Senior standing, PE 35700.

PE 42058 - Practicum in Coaching Aquatic Sports (3)

This course is designed as a culminating experience for the coaching minor. The student must complete a minimum of 150 hours in a practicum placement in the sport of Aquatics. The student may not complete this requirement during season if the student is a participant in Aquatic Sports. Placement will generally be with this institution as a student assistant. Duties and responsibilities will be determined by the head coach of the Aquatic team who will also serve as the supervisor/ instructor of the placement. Students may opt to be placed with a local youth or high school team with prior approval. Supervision/instruction will be shared between the head coach and a Physical Education faculty member.

Prerequisite: PE 35800; senior standing.

PE 42059 - Practicum in Adaptive Sports (3)

This course is designed as a culminating experience for the coaching minor and/or adaptive sport minor. The student must complete a minimum of 150 hours in a practicum placement in adaptive sport. The student may not complete this requirement during season if the student is a participant in adaptive sport. Placement will generally be with adaptive sport organizations in the community. Duties and responsibilities will be determined by the supervisor of that program who will also serve as the supervisor/instructor of the placement. Supervision/instruction will be shared between the supervisor and a Physical Education faculty member.

Prerequisite: Senior standing and HFS 40000.

PHRL - Philosophy & Religion

PHRL 10000 - Moral Life (3)

GE-Human Culture: Philosophy What is good? How should we decide what to do? How can we understand moral views we don't accept? These questions inform a philosophical introduction to ethics. We will examine theoretical and applied ethics and stress the development of good moral character and sound moral reasoning.

Offered: Fall/Spring.

PHRL 10200 - Philosophy of Love (3)

GE-Human Culture: Philosophy This is a course in the philosophy of love. It will cover the nature and kinds of love, their relation to human nature, and moral and metaphysical questions concerning the kinds of love. The course will cover the four traditional kinds of love: storge (affection), philia (friendship), eros (romantic/sexual), agape (self-giving). The course will examine how the various kinds of love, and their counterfeits, affect our attempt to live a meaningful life. Discussions will include personal and social ethics and the connection of love to God or the transcendent. NB: The course will deal with sensitive and controversial issues. Only original sources are used.

Offered: Spring.

PHRL 10400 - The Examined Life (3)

GE-Human Culture: Philosophy What does a good life look like? How would we go about settling a question like this? How does such a question relate to what we know about reality, to our involvement in public life and service, to how we know anything at all? The ancient Greek philosopher, Socrates, famously claimed that the unexamined life is not worth living. Is he right? In this course, we explore the contours of the good life by introducing the basic methods and sub-fields of philosophy through a close reading of the *Apology of Socrates*, Plato's *Republic*, and Aristotle's *Nicomachean Ethics*.

Offered: Fall/Spring.

PHRL 10600 - Self & Identity (3)

GE-Human Culture: Philosophy What does it mean to be human? Surely all of us can distinguish humans from non-humans, but how? Is it because we have rationality and free-will, or do we merely appear to have them? Is it because we have moral and civic responsibilities, or are these mere illusions? This course is an introduction to the philosophy of human nature and the methods that philosophers use to construct such theories. We will explore a variety of theories, both Western and Eastern, that offer an account of what it means to be human.

PHRL 11000 - Star Wars and Religion (3)

GE-Human Culture: Religion/Human Diversity Do you like Star Wars? I know, that's a silly question. Of course

you do! But did you know that there are many interesting intersections between the Star Wars universe and the major religious traditions in our own universe? This course gives you the chance to explore those intersections while watching and reflecting on the Star Wars films. You will also become more familiar with how religion intersects with contemporary social issues such as race, politics, and sexuality. Remember: do or do not, there is no try. And may the Force be with you!

PHRL 11200 - World Religion: The Meaning of Life (3)

GE-Human Culture: Religion/Human Diversity Most people believe there is purpose to life, but are not able to articulate a specific significance for their own existence. The human search for purpose or meaning may be the primary force in life. Internal conflict stems from one's confrontation with the challenges of life itself. These include the difficulty of discovering one's purpose, the challenge and responsibility of free choice, the stress of individual isolation, and the inevitability of death. This course will look at the world's historical as well as current religious, social, and existential ways of offering meaning or purpose for an individual. Not open to students with credit in PHRL 11600.

PHRL 11400 - The Bible (3)

GE-Human Culture: Religion In this course, you will examine the Bible from the standpoint of the academic study of religious texts. This course will familiarize you with the content of both the Hebrew Scriptures/Old Testament and the Greek Scriptures/New Testament, and will teach you to use the reasoning abilities and methods employed by modern religious scholars.

Corequisite: ENGL 15000 or EPP 15000.

PHRL 11600 - World Religions (3)

GE-Human Culture: Religion/Human Diversity In this course, you will become familiar with the most influential religious traditions of the world and their scriptures. We will give specific attention to seven major traditions, Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. You will read from the best scholarly translations of each tradition's scriptures and think critically about the place and importance of religion in the world today. Not open to students with credit in PHRL 11200.

Offered: Fall/Spring.

PHRL 18000-18999 - Topics in Philosophy & Religion (1-3)

This course is a detailed examination of a topic in philosophy and/or religion. It may focus on a specific problem, a particular thinker, a major work, or an aspect of philosophy and/or religion not covered in other courses.

PHRL 20000 - The Story of Christianity (3)

GE-Human Culture: Religion Discover Christianity's history from the time of Jesus to the present day. You will learn about the figures, events, and issues that shaped Christianity. You will examine topics like the doctrine of the Trinity, Jesus Christ, Saint Augustine of Hippo, the historical differences between Western and Eastern Christianity, the development of Christianity's central rituals and practices, the Reformation(s), and Christianity in the modern world.

PHRL 20200 - Religion in America (3)

GE-Human Culture: Religion Americans are very religious—approximately 80 percent of Americans claim to follow one religion or another! This course will teach you about the history of religious commitment in the United States. We will cover topics like the beliefs, programs, and organizations of the major Protestant denominations, the Roman Catholic Church, and Judaism, minority religious traditions, ecumenical movements, and church-state relations.

PHRL 20400 - Women, Religion, and Violence (3)

GE-Human Culture: Religion/Human Diversity The relationship between women, religion, and violence against women is real but often ignored. You will study Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, Islam, and Indigenous African religions as they pertain to women. You will gain an understanding of how each religion engenders violence against women and how women challenge and reconstruct their faiths.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 20600 - Jesus (3)

GE-Human Culture: Religion Jesus is everywhere: in memes and on billboards, in South Park episodes, and - of course - in churches all over the world. He even has social media accounts! You might think you know a lot about Jesus, but you've barely scratched the surface. Learn more about this Jewish guy named "Josh" who lived ~2,000 years ago by studying topics like what history can tell us about Jesus's life, what Christians think about him, his place in other religions, his significance for American culture, and what Jesus means for people today.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 20800 - Christianity and Politics (3)

GE-Human Culture: Religion This course will introduce you to "political theology"—the way that Christians connect their faith with their politics. More specifically, you will engage with topics like Jesus and the politics of

the Roman Empire, how Christians have thought about the relation between church and state, and what Christian political theology might have to say about democracy and politics today.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 21000 - Practical Logic for Daily Life (3)

GE-Human Culture: Philosophy Everyone benefits from clear and precise thinking, but have you ever learned the rules for such thinking? This course is an introduction to many of the basic features of clear and proper reasoning. We explore practical topics that include but are not limited to how to define concepts, employ basic deductive reasoning, avoid fallacies, and reason in causal, analogical, and statistical ways.

PHRL 21001 - Traditional Logic (3)

GE-Human Culture: Philosophy Having clear ideas, putting them in order, and avoiding mistakes in reasoning is how Lewis Carroll defined logic. We will study Aristotelian logic as giving rules for our commonsense way of thinking. You will learn the three acts of understanding and how to avoid common mistakes in reasoning. Since this is the logic found on most standardized exams it is especially helpful for students planning on graduate programs in law, business, medicine, and other fields.

Offered: Fall.

PHRL 21002 - Symbolic Logic (3)

GE-Math Symbolic logic focuses on the formal structure of reasoning, unlike traditional logic which focuses on natural language. In using symbols and not terms, this kind of logic is more mathematical—in fact, it was developed to incorporate mathematics. We will cover translation, propositional logic, predicate logic, quantification, and identity, using natural deduction.

Offered: Spring.

PHRL 21200 - Ethics & Human Action (3)

GE-Human Culture: Philosophy Questions like "what is good?" and "what should I do?" have always confronted us. We will cover the development and status of ethics as a theoretical discipline addressing those questions in the western philosophical tradition and the relation of ethics to social and political philosophy.

Offered: Fall.

PHRL 21201 - Ethics, Media, & Technology (3)

GE-Human Culture: Philosophy We will explore contemporary moral theories focusing on their historical sources and modern applications. In particular, you will learn about theories that focus on the consequences of actions (utilitarianism), the motivation for actions

(deontology), and the character being developed by actions (virtue ethics), in addition to criticisms of these theories.

PHRL 21202 - Bioethics (3)

GE-Human Culture: Philosophy What is the relationship between medicine and morality? Do healthcare professionals like doctors and nurses have moral obligations? In this class, you will examine how morality is related to diseases, questions of life and death, medical enhancements, and issues related to technology in medicine such as cloning and genetic engineering.

Prerequisite: ENGL 17000 with a C or better.

PHRL 21400 - Philosophy of Art (3)

GE-Human Culture: Philosophy What is art? Can art be good or bad? Is good art related to ethics? Is art merely subjective and emotional, or can it be evaluated objectively based on content that is unique to it? Can we distinguish between high art and low art? This course is a philosophical introduction to such topics where we will explore the nature of art and aesthetic perception.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 22000 - Introducing Judaism (3)

GE-Human Culture: Religion/Human Diversity Judaism is the oldest of the Abrahamic faiths and decisively shapes the world we live in today. In this course, you will study the origins, development, theology, and practices of Judaism by examining each of the three major periods of Judaism's development—the Second Temple, Rabbinic, and Contemporary periods.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 22200 - African American Religions (3)

GE-Human Culture: Religion/Human Diversity You will learn about the religious practices, beliefs, and movements in African American religions. We will begin with a brief introduction to 'traditional' African religion, particularly those of West Africa. We will look at how the religion brought by slaves to the New World developed and changed in countries outside of the U.S. We will also learn about the development of religion among African Americans, with an eye to the diverse cultural perspectives and complex social systems that have come to define African American religion today. Topics include, but are not limited to, black religions in North America under slavery, black churches, black Muslims, the civil rights movement, and the relation of African American religion to the arts and music.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. Offered: Fall/Spring.

PHRL 28000-28999 - Topics in Philosophy & Religion (1-3)

This course is a detailed examination of a topic in philosophy and/or religion. It may focus on a specific problem, a particular thinker, a major work, or an aspect of philosophy and/or religion not covered in other courses.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better.

PHRL 30000 - The Natural Law (3)

GE-Human Culture: Philosophy This course is an introduction to one of the central ideas in philosophy. The idea of a natural law is based on an understanding of the universe as rationally ordered (or ordered in a way open to reason) and that such an order has bearing on human action. The idea of a natural law has influenced philosophy from its earliest beginnings. It has influenced, among many others, Plato, Aristotle, Cicero, Aquinas, Ibn Sina, Moses Maimonides, Thomas Hobbes, Hugo Grotius, John Locke, William Blackstone, Ghandhi, Martin Luther King, Jr., and the development of the Hippocratic Oath and the Universal Declaration of Human Rights. The idea of a natural law also is a bridge to understanding non-western traditions where it is commonplace, such as in Buddhist, Hindu, and Confucian thought. While the natural law has most generally been associated with ethics and political philosophy, and with their application, it has metaphysical and epistemological implications and implications for the philosophy of science. The course will focus on both the historical understanding of a natural law and on its applications. Only original sources are used.

Prerequisite: ENGL 17000 with a C or better.

PHRL 30200 - Political Philosophy (3)

GE-Human Culture: Philosophy This course introduces students to the writings of well-known classical and modern political philosophers and theorists. Instead of secondary accounts or summaries of these writers, students read original thoughts of political thinkers. This course is not open to students with credit in PS 30500. Only original sources are used.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

PHRL 30400 - Philosophy of Law (3)

GE-Human Culture: Philosophy This course will introduce you to the philosophy of law. We will cover the theoretical frameworks, such as positivism and natural law, in a global context. You will also engage with topics such as law and economics, law and social justice, and more as they relate to national and international understandings of the nature and function of law. Only original sources are used.

Prerequisite: ENGL 17000 with a C or better.

PHRL 31000 - Religion and the History of Science (3)

GE-Human Culture: Religion The search for an understanding of the origin, function, and purpose of the universe has taken many intellectual forms. In this course, you will investigate the history of science, technology, religion, and philosophy in the West. Beginning with the Greek philosophers, we will look at the early Jewish, Christian, and Muslim attempts to describe nature and the universe. Thinkers in the Middle Ages saw science as a servant to religion, while empiricism brought the scientific revolution. We will discuss topics such as evolution and creation, faith and reason, Einstein's theory of relativity and a 'bendable' universe, quantum mechanics, and string theory.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 31200 - The Psychology of Religion (3)

GE-Human Culture: Religion This course is an overview of the field of psychological study of religion and its impact on the individual. You will study psychological research in the areas of faith development, conversion experiences, religion/ personality/ mental health, and religious development from early childhood through old age.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL.

PHRL 31400 - New Religious Movements in America (3)

GE-Human Culture: Religion There are many different ways to be religious—or non-religious—in today's world. We will study the emergence of New Religious Movements (NRMs), Secret Religious Societies, and alternative spiritual groups, as well as the development of those who claim atheism, agnosticism, or no religious affiliation (Nones) in the United States.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 31601 - Islam and the West (3)

GE-Human Culture: Religion/Human Diversity Islam is more than jihad. This course will broaden your perspective on the Islamic tradition through a detailed examination of the social history, theology, and philosophy of Islam. You will study topics like: contemporary attitudes in the West towards Islam, Islamic attitudes towards Western society, and the various movements within contemporary Islam.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 31602 - Religions of India (3)

GE-Human Culture: Religion/Human Diversity In this course you will examine the major religious traditions of India: Hinduism, Jainism, Buddhism, and Sikhism. Though the major focus of the course is on India, you will also examine religion throughout South Asia, including present-

day Pakistan, Bangladesh, Sri Lanka, Maldives, Nepal, Bhutan and Tibet.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 31603 - Religions of China (3)

GE-Human Culture: Religion/Human Diversity There are four times as many people in China as in the United States. In an increasingly interconnected world, familiarity with the concepts and traditions that shape Chinese life can be a valuable asset. In this class, you will explore the ancient myths and religious traditions of China (like Confucianism, Taoism, and Buddhism), and learn about how they have shaped contemporary Chinese culture.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 32001 - Premodern Philosophy (3)

Ancient and Medieval Western philosophers presented their schools of thought as ways of life, not mere arm-chair rambling. Between 600 B.C.E. and 1300 C.E., these philosophers put forth arguments about the nature of reality, knowledge, ethics, politics, and the divine that are still applicable to our modern lives. In this course, we analyze the central arguments supporting these views as we explore the works of ancient Greek and Roman philosophers, as well as their intellectual heirs in the medieval Islamic, European, and Byzantine worlds.

Prerequisite: ENGL 17000 with a C or better.

PHRL 32400 - Modern Philosophy (3)

GE-Human Culture: Philosophy What is the nature of mind and world? Can we overcome skepticism? Should we follow reason or experience? We are still dealing with the questions, problems, and answers generated from the revolution in philosophy that gave birth to modern science and the modern world. In this class, we will focus on the nature of the world and our place in it as found in the works of Descartes, Hobbes, Locke, Hume, and Kant, among other philosophers.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

PHRL 32600 - Philosophy in Film (3)

GE-Human Culture: Philosophy This course examines moral questions raised through the medium of film and how this medium can raise and address those questions and the challenges they present. These issues are essential for us to live as human beings. The course examines different media properties each time it is offered and may be taken up to two times for a total of six credit hours.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

PHRL 33000 - Christian Theology (3)

GE-Human Culture: Religion Ever wonder what Christians believe about God, Jesus, life, church, the

creation of the world, or where evil comes from? All those questions and more answered (or, at least, studied) here! In this course, you will encounter the foundational teachings of the Christian faith from both Protestant and Roman Catholic perspectives.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 33400 - Protestant and Catholic Reformations (3)

GE-Human Culture: Religion Rapid change in religious thought and practice occurred in Europe during the 16th century, giving birth to the Protestant and Catholic traditions as we know them today. We will examine these developments in the context of the Late Middle Ages by considering how historical events and earlier writings may have influenced those thinkers, what the historic impact of their ideas has been, and how Roman Catholicism responded to the Reformation at the Council of Trent.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 34000 - Truth, Reality, & Virtual Reality (3)

GE-Human Culture: Philosophy Metaphysics is a sub-field of philosophy that studies the most general and abstract aspects of reality. For instance, what does it mean for something to exist at all? What exactly is causation? What is it to be a substance? How does any concrete entity relate to its properties? Is every entity determined to behave as it does, or do some entities have free-will? Are questions like these even answerable? In this course, we examine Western philosophical approaches to these exciting questions.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

PHRL 34300 - Free Will (3)

GE-Human Culture: Philosophy Are you free to choose whether you read this course description? Perhaps all your choices and decisions are outcomes of the fixed laws and forces of nature, including social and psychological influences. Does moral responsibility depend on a person having free will? In this course, we explore philosophical and scientific approaches to these exciting issues and others related to them.

Prerequisite: ENGL 17000 with a C or better.

PHRL 34400 - Philosophy of Science (3)

GE-Human Culture: Philosophy The philosophy of science explores questions about science itself. What is science? What can science say, or not say, about the world? What is the law of nature? Does science explain or only predict? What rules of logic does science use? In this class, we will search for answers to these philosophical questions as we look at how science can be defended in light of modern criticism and explore the relationship of science to other fields of inquiry.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

PHRL 34600 - Philosophy of Religion (3)

GE-Human Culture: Philosophy Are there compelling arguments in favor of God's existence? What kinds of qualities must God possess if God exists? Does evil in the world provide a reason for why God can't exist? Is belief in God's existence solely a matter of faith and non-rational intuition? Are religious beliefs consistent with contemporary scientific commitments? Are miracles possible? In this course, we examine Western philosophical approaches to these persisting questions.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

PHRL 34800 - Mind, Brain, Machine? (3)

GE-Human Culture: Philosophy Is your mind, your conscious awareness of yourself as a self, nothing more than your physical brain? In this class we explore contemporary philosophical theories concerning the relationship between mind and brain. Some of these theories hold that our mental experiences are wholly physical brain events, while others maintain that there is something non-physical about our mental experience. Some theories seek to harmonize commitments between these prior two camps by appealing to insights from classical philosophy, while others deny certain key presuppositions assumed by the question itself or that the question can even be answered. As we explore the pros and cons of each of these theories, much attention will be given to how they incorporate data from the empirical sciences.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

PHRL 38000-38999 - Topics in Philosophy & Religion (1-3)

This course is a detailed examination of a topic in philosophy and/or religion. It may focus on a specific problem, a particular thinker, a major work, or an aspect of philosophy and/or religion not covered in other courses.

Prerequisite: ENGL 17000 or concurrent enrollment or three credit hours of PHRL courses.

PHRL 40000 - Senior Project (3)

This course provides a capstone experience option for philosophy & religion majors. To complete this project, you will engage in undergraduate research concerning a topic of your interest and under the supervision of a member of the PHRL faculty. You will present your research to your PHRL faculty and fellow students, and submit a final research paper to your advisor.

Prerequisite: Philosophy & Religion program of study; senior standing; permission of the department head.

PHRL 40101 - Philosophy & Religion Internship (1-6)

This internship offers supervised work experience for the advanced student. It requires application of knowledge and skills within the disciplines of philosophy and religion. You will gain valuable insight and experience by working with a professional in fields related to these disciplines, and the skills that you develop will position you for future success in your career and/or graduate study. May be repeated for a maximum of 6 credit hours.

Prerequisite: Permission of the department head.

PHRL 48000-48999 - Topics in Philosophy & Religion (1-3)

This course is a detailed examination of a topic in philosophy and/or religion. It may focus on a specific problem, a particular thinker, a major work, or an aspect of philosophy and/or religion not covered in other courses.

Prerequisite: ENGL 17000 or concurrent enrollment; three credit hours of PHRL courses.

PHS - Public Health**PHS 20000 - Foundations of Public Health (3)**

GE-Social Science This course provides a history of public health. It provides learners with the overarching framework, principles, and core responsibilities of public health from a multidisciplinary perspective. It offers students a methodology for understanding populations and population health through an overview of the five core disciplines: epidemiology, biostatistics, environmental health, social and behavioral health, and health policy and management.

PHS 22000 - Public Health and Social Justice (3)

GE-Social Science/Human Diversity This course explores the concept of social justice and its role in the mission of public health. The impact of social justice measures on health disparities, health behaviors and social and physical environment will be examined.

Prerequisite: ENGL 15000.

PHS 24000 - Global Health (3)

GE-Social Science/Human Diversity This course introduces the student to the concept of population health in a global context. In this course, health problems that transcend national borders or have a global economic or political impact are identified and explored.

Prerequisite: ENGL 15000.

PHS 29000-29999 - Special Topics in Public Health Science (1-6)

May be repeated for additional credit if taken under a different topic. Prerequisites will vary by topic. Course fee may be required.

PHS 31000 - Introduction to the U.S. Health Care System (3)

This course examines the organization, financing, and delivery of preventive, acute and tertiary health care in the U.S. The effects of market competition and government regulation on healthcare will be explored. Reimbursement mechanisms for medical providers, hospitals, and the pharmaceutical industry are examined as well as the major issues currently facing these groups. The effects of health care reform on healthcare spending, quality of care, and access to care will be discussed.

Prerequisite: PHS 20000 with a C or better.

PHS 33200 - Environmental Health (3)

This course examines the relationship between humans and the environment, how the relationships change over time, and what needs to be done to maintain or improve current global environment conditions. It emphasizes the inter-relatedness of personal and community health and how current environmental issues directly affect our lives. In this context, environment is defined in the broadest sense to include the physical environment of air, water, soil as well as the social environment.

Prerequisite: PHS 20000 with a C or better.

PHS 34000 - Health Policy (3)

This course provides an historical overview and current status of health care organization, delivery and finance in the United States. The distribution of and access to medical care and public health services are explored within current political, economic, and social contexts. The role of public and private insurance in the delivery of health care is examined. The role and impacts of politics and advocacy on health policy is discussed.

Prerequisite: HFS 30000 or PHS 20000 with a C or better.

PHS 35300 - Health Communication (3)

This course emphasizes effective communication with a variety of public health stakeholders including consumers, family members, medical providers, community leaders, news media, policy makers, researchers and the general public. The fundamentals of public health communication will be explored. The vital role that public health communication plays in the success of new health care delivery structures, the implementation of health care reform and the adoption of advances in prevention, health promotion and emergency preparedness will be addressed. Public health communication innovations, tools, technologies, research and strategies will be examined.

Prerequisite: PHS 20000 with a C or better; PHS 37000 with a C or better.

PHS 36000 - Introduction to Epidemiology (3)

This course introduces students to the basic science of public health and population health. The course will provide an introduction to the different categories of

epidemiology and types of epidemiological studies; and an overview of the disease transmission cycle.

Prerequisite: PHS 20000 with a C or better; MTH 14100 or MTH 24100.

PHS 37000 - Health Promotion (3)

This course explores information necessary to understanding factors that affect human health: health determinants, health indices, health behavior change theories, ethical issues and societal trends. Health promotion and behavior change theories are presented. Professional practice settings, health professions, roles and functions of health professionals and professional health organizations are examined.

Prerequisite: HFS 30000 or PHS 20000 with a C or better.

PHS 37500 - Lifecourse Perspective on Health (3)

This course provides an introduction to life course theory and its application to public health, disease prevention and health promotion. The course provides a conceptual framework with which to understand the interrelationships among biological, psychological, and social factors which influence development and health.

Prerequisite: PHS 20000; PHS 22000 with a C or better or junior standing.

PHS 37600 - Advanced Epidemiology (3)

This course provides an intermediate depth of knowledge in epidemiologic theory and methods. Concepts include advanced understanding of epidemiologic and clinical study designs; knowledge of classical methods of statistical analyses of epidemiologic studies; an introduction to multivariate regression modeling for epidemiologic and clinical studies; and a foundation for statistical and causal inference.

Prerequisite: PHS 36000 with a C or better.

PHS 37700 - Advancing Health Literacy in Diverse Populations (3)

This course is designed to examine and analyze issues of low health literacy in diverse populations. Measurement tools for assessing health literacy in diverse populations will be explored. Evidence-based strategies and challenges for improving health literacy in diverse populations will be addressed.

Prerequisite: PHS 36000 with a C or better.

PHS 37900 - Emergency Preparedness in Public Health (3)

This course provides a comprehensive overview of public health emergency preparedness and response, including bioterrorism events and threats.

Prerequisite: PHS 20000; PHS 22000 with a C or better or junior standing.

PHS 38000 - Evidence-Based Practice in Public Health (3)

This course explores the methodology used by public health professionals to develop informed decisions, policies, and programs in response to identified risks to population health. Students will have the opportunity to learn and apply the essential steps in evidence-based public health practice which include finding data and scientific literature to identify effective interventions, weighing these options in recommending an approach to take, and then developing a programmatic response.

Prerequisite: PHS 36000 with a C or better.

PHS 38100 - Health Behavior Change (3)

This course provides an overview of the health behaviors that contribute to disease development and premature death in the United States. The learner will have an opportunity to explore the behavioral and social science factors that influence health and disease, with an emphasis on relevant knowledge for helping individuals make better health-related decisions and changes in their lives. The course explores these factors from the individual to the societal level.

Prerequisite: PHS 20000; PHS 22000 with a C or better or junior standing.

PHS 38200 - Biostatistics for the Health Sciences (3)

This course explores biostatistics methodologies used in public health practice and research. Included are: measurement methods, descriptive statistics, confidence intervals and hypothesis testing, sample size and power calculations, analysis of variance and multiple comparisons; correlation and regression; multiple regression and statistical control of confounding; logistic regression; and survival analysis.

Prerequisite: PHS 36000 with a C or better.

PHS 38300 - Research Methods in Public Health (3)

This course provides theory and applied experience with methods utilized in public health research and program evaluation.

Prerequisite: PHS 36000 with a C or better.

PHS 38400 - Environmental Health (3)

This course explores the relationship of people to their environment and focuses on how environment impacts physical well-being. Environmental factors involved in transmission of communicable diseases and hazards due to exposure to chemical and physical materials in our environment will be examined.

Prerequisite: PHS 20000; PHS 22000 with a C or better.

PHS 38500 - Biological Basis of Health and Disease (3)

This course introduces students to the bio-physiologic concepts underlying health and disease. Concepts of health and illnesses will be explored within the context of communities. The course provides individuals from diverse

backgrounds with a working knowledge of how genetics, behaviors and environment influence our life course and shape health status. Emphasis will be placed on diseases of public health relevance, including infectious and genetic diseases and chronic disorders such as hypertension, diabetes and obesity.

Prerequisite: PHS 20000 with a C or better.

PHS 38600 - Infectious and Communicable Disease Prevention (3)

This course explores management and control of communicable diseases affecting human populations. Concepts covered include communicable disease prevention, treatment, surveillance, management of outbreaks and epidemics, disease management, modes of transmission, vector ecology and environmental control in the domestic and international settings.

Prerequisite: PHS 20000; PHS 22000 with a C or better or junior standing.

PHS 38800 - Money, Politics and Health Advocacy (3)

This course explores how money, politics and advocacy intersect to shape public health policy and practice. The influence of special interest groups and lobbying on public health policy will be examined. Coalition-building and written and verbal advocacy tools as methods to influence public health policy will be addressed.

Prerequisite: PHS 20000; PHS 22000 with a C or better or junior standing.

PHS 38900 - Independent Research (1-3)

This is an independent research course designed to teach new research methods and enhance research skills using critical thinking, communication, and attention to detail within the public health field. May be repeated for credit.

Prerequisite: Permission of dean. Offered: Fall/Spring/Summer.

PHS 39000-39999 - Special Topics in Public Health Science (1-6)

May be repeated for additional credit if taken under a different topic. Prerequisites will vary by topic. Course fee may be required.

PHS 41000 - Community Health Assessment (3)

This course is the first in a series of three courses to prepare the student to assess, implement, and evaluate community intervention programs. This course introduces students to the formal process of community-based health assessment. The course includes community assessment concepts such as statistics on health status as well as tools and methods for the systematic collection, assembly, analysis, and interpretation of data related to the characteristics, resources, and health of the community. Students will also learn and apply the principles of collaborating with community organizations.

Prerequisite: PHS 38000.

PHS 43000 - Program Planning for Health Promotion and Prevention (3)

This course is the second in a series of three courses to prepare the student to assess, implement, and evaluate community intervention programs. The course explores the concepts, theories, models and applications of program planning and evidence-based community level interventions. Models of community health program planning, implementation evaluation will be explored.

Prerequisite: PHS 37000; PHS 38000; PHS 41000.

PHS 45000 - Program Evaluation in Public Health (3)

This course is the third in a series of three courses to prepare the student to assess, implement, and evaluate community intervention programs. The course explores models and procedures for evaluating community health programs. The theoretical foundations, design, implementation, efficacy, and effectiveness of selected public health interventions are examined. Practitioner competencies related to community health program evaluation are identified and explored.

Prerequisite: PHS 43000 with a C or better.

PHS 48000 - Capstone Seminar (3)

This course, taken in the fall semester of the senior year, gives the student the opportunity to apply skills and knowledge gained in the public health program to an authentic public health problem or issue. The student will collaborate with peers to research and present a case study to a panel of guest judges from the community. Students will identify and define a need or problem, find data to establish the magnitude of the problem within the population and identify evidence-based interventions aimed at reducing or ameliorating the problem. This course also provides professional development preparation and grant proposal writing experience.

Prerequisite: Senior standing. Offered: Fall.

PHS 48300 - Internship (3)

The internship will be completed in the area of interest of the student. Students will meet in class weekly and complete 150 hours of internship service by the end of the semester.

Prerequisite: Senior standing. Offered: Spring/Summer.

PHS 49000-49999 - Special Topics in Public Health Science (1-6)

May be repeated for additional credit if taken under a different topic. Prerequisites will vary by topic. Course fee may be required.

PHY - Physics

PHY 11100 - Concepts of Physics (3)

GE-Natural Science This course is designed for non-science majors. Topics covered include force and motion, energy and matter, electricity and magnetism, heat, and sound. The treatment of these topics is largely nonmathematical and emphasizes their application in daily life.

Offered: Fall/Spring.

PHY 11200 - Concepts of Physics Laboratory (1)

GE-Natural Science Lab This course complements PHY 11100 and presents students an opportunity for hands-on experience of the topics covered in the lecture course. Concurrent enrollment in PHY 11100 is required.

Offered: Fall/Spring.

PHY 25100 - Introductory Physics I (4)

GE-Natural Science with Lab This course is an algebra-based treatment of mechanics including kinematics, vectors, Newton's laws, and conservation of energy and linear momentum. Other topics include rotational motion, moments of inertia, rotational energy, and angular momentum. This course also treats solids, fluids, waves, and sound.

Prerequisite: MTH 15200, MTH 17300 or MTH 27100.

Offered: Fall/Spring.

PHY 25200 - Introductory Physics II (4)

GE-Natural Science with Lab This course is an algebra based treatment of thermodynamics, electricity and magnetism, including electric fields, Gauss's law, voltage, capacitors, inductors, Kirchoff's laws, AC and DC circuits, and geometric and physical optics.

Prerequisite: PHY 25100. Offered: Fall/Spring.

PHY 30100 - General Physics I (4)

GE-Natural Science with Lab This course is a calculus based treatment of mechanics for science and engineering students, including kinematics, vectors, Newton's laws, and conservation laws for energy, linear momentum, and angular momentum. Other topics include equilibrium and elasticity, gravitation, fluids, simple harmonic oscillations, waves, and thermodynamics.

Prerequisite: MTH 27100. Offered: Fall/Spring.

PHY 30200 - General Physics II (4)

GE-Natural Science with Lab This course is a calculus based treatment of electromagnetism for scientists and engineers, including electric fields, Gauss's law, scalar potential fields, Maxwell's equations, electromagnetic oscillations, electromagnetic waves, and optics.

Prerequisite: PHY 30100. Offered: Spring.

PHY 30300 - Modern Physics (3)

This course is a calculus-based survey of the important discoveries in 20th century Physics that focuses on special relativity, quantum mechanics, atomic and nuclear physics.

Prerequisite: MTH 27200 and C or better in either CHM 47100 or PHY 30100.

PS - Political Science

PS 15500 - American Government: The Nation (3)

GE-Human Culture: US History/Government This course focuses on introducing students to the skills involved in political analysis. Attention is focused on examining key terms such as "democracy" and "politics" as well as providing students with an overview of American national government.

Offered: Fall/Spring.

PS 15600 - American Government: The States (3)

GE-Human Culture: US History/Government This course focuses on the role and function of state governments in our federal system. Attention is focused on providing students with an ability to analyze state governments through comparison, realizing that there are differences as well as similarities among the fifty states.

Offered: Fall/Spring.

PS 18000 - Introduction to International Relations (3)

GE-Human Culture: Foreign Culture/Human Diversity A global Second Great Depression? A massive nuclear conflict? A technologically-driven era of prosperity that will end famine and poverty? In this course, you will learn about the trends and decisions that shape the economic, social, and political life of everyone on earth. You'll explore the forces that shape global relationships as you acquire the tools to assess their impact on your life. We will talk about how the World Wars and other twentieth-century events shaped our international system; how countries use military, economic, and other forms of power to achieve strategic goals; the influence of political ideology on foreign and domestic policy; global issues such as human rights and economic development; terrorism and counterterrorism; and the proliferation of nuclear and other weapons of mass destruction.

Offered: Fall/Spring.

PS 20000 - Methods for Political Science (3)

GE-Social Science How do you know whether our government's policies are really beneficial and lead to a better society? Do we trust what political leaders tell us? How can we be sure statistics aren't being manipulated? Can we be sure that our tax dollars are not being wasted on ineffective or even harmful programs? In this course, you will develop the skills to critically analyze public policy and learn how to determine what policies, programs, and initiatives are truly meaningful and effective. This course will further prepare you to engage in original research and

to apply existing research to making sense of politics and policies that affect your daily lives.

Prerequisite: MTH 14100. Offered: Fall.

PS 28300 - Chinese Culture and Etiquette (3)

GE-Human Culture: Foreign Culture/Human Diversity This course is an introduction to the cultural norms and etiquette necessary for anyone who wants to do business or reside in China for any period of time.

Offered: Spring.

PS 30000 - Comparative Analysis (3)

GE-Human Culture: Foreign Culture/Human Diversity This course examines why some countries provide better living conditions for their citizens. How do political institutions, a country's history, parties and party systems, or social forces such as culture and ethnicity influence these differences? In this course, you will learn about the world, political culture, democracy, globalization, and why countries choose different policy responses to global problems. You will use this knowledge to explore other countries and gain a better understanding of how your own country functions by comparison.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Fall.

PS 31000 - Congress, the Presidency, and the Party System (3)

This course focuses on specific issues that help students develop a finer appreciation of the study of American national government. Topics examined include Presidential-Congressional relations, members of Congress and their world, political leadership, and the functions of political parties in elections and public policy.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Fall.

PS 31100 - American Constitutional Law (3)

This course focuses on an in-depth examination of judicial review as well as a close look at different Supreme Court justices. Other topics examined include significant court cases, methods of evaluating liberal/conservative leanings of the court, the impact of the court on public policy, and the methods of constitutional interpretation.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Spring.

PS 31200 - Law, Politics, and the Courts (3)

Are our courts effective in achieving the goals of justice and fairness in a democratic society? In this course, you will use a case-based approach, working from historical landmark and contemporary cases, to begin to formulate an answer to that question. You will learn about the role of courts in the U.S. political system and how courts influence public policy. And you will develop an understanding of the foundations and origins of the

American court system and the strengths and weaknesses of the system.

Prerequisite: ENGL 17000; HIST 15500, PS 15500 or PS 15600. Offered: Fall/Spring/Summer.

PS 33050 - Political Economy (3)

At the heart of political economy is a focus upon production and the use of labor and capital. Classical economic writers such as Adam Smith and David Ricardo, as well as more modern era writers such as Joseph Schumpeter and John Kenneth Galbraith, have addressed the relationship of labor and capital to production. These writers, as well as others, and various theories, such as utilitarianism, capitalism, socialism and "the new economy," will be addressed in this course.

Prerequisite: ENGL 17000.

PS 33200 - Political Psychology (3)

This course explores the subfield of political psychology. Social psychologists use various methods to study these phenomena and analyze competing perspectives of political behavior. You will learn about those methods in this course, along with psychological theories and explanations of political behavior, ranging from individual party affiliation to values formation to terrorism and other extremist activities. Perhaps most importantly, you will learn to identify and critically examine the foundations of your own political beliefs and behavior.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Spring.

PS 33500 - Public Administration (3)

This course focuses on governmental operations, particularly focusing on federalism, regulatory policy-making and rule-making. In addition, governmental reforms (historical and contemporary) will be examined.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Spring.

PS 34500 - Campaigns and Elections (3)

While broad theme issues such as voting trends over time, realignment versus de-alignment, critical elections, the influence of the media (particularly television) on elections, and voter turnout are addressed, this course also focuses on the specifics of elections approaching or recently ended. By focusing on the recent elections, students can learn how to understand exit polls; the specific issues that are influencing or have influenced those elections, as well as the practical aspects associated with get out the vote drives.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Spring.

PS 36000 - Civil Liberties (3)

This course focuses on both constitutional law and criminal justice issues related to civil liberties. In addition,

students will examine the relationship of civil liberties to public policy.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600. Offered: Fall.

PS 36500 - Appreciating Political Books (1-6)

Students taking this course read books and learn how to take notes so that they can use them when discussing the books on a show ("Insight") filmed at the LUTV studio at Lindenwood. Students learn how to "present" themselves on TV and how to conduct a substantive exchange of opinions with other students. Each episode of this show is broadcast several times a semester. May be repeated for credit.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600.

PS 36700 - Directed Research (1-6)

Students work with a department faculty member who will approve an appropriate topic that will lead to a research paper that demonstrates an ability on the part of the student to think and write clearly and analytically. May be repeated for credit.

Prerequisite: ENGL 17000 with a C or better; HIST 15500, PS 15500, or PS 15600.

PS 38000 - Diplomatic Affairs: Peace and Conflict Resolution (3)

This course examines how governments use diplomacy as a strategic tool, with an emphasis on the role that diplomacy plays in the shaping and resolution of interstate conflicts. How diplomacy has been used throughout history by disparate political cultures to achieve specific policy goals and/or broadly refashion the international system is studied. Recent and ongoing international diplomatic problems also are addressed.

Prerequisite: ENGL 17000. Offered: Fall.

PS 38100 - Governing Europe (3)

This course is a one-semester study that focuses on the development of modern British politics, post 1945. This will include a general look at parliament systems as well as more specific areas such as the parliament, monarchy, courts, parties and political philosophies.

Prerequisite: ENGL 17000; HIST 15500 or PS 15500.

PS 38200 - American Foreign Policy (3)

This course focuses on the conduct of American foreign policy by examining key participants such as the President, Congress, and governmental departments with important roles in foreign policy making. In addition, students are provided with a historical background to current foreign policy issues.

Prerequisite: ENGL 17000.

PS 38300 - Transpacific Relations (3)

GE-Human Culture: Foreign Culture/Human

Diversity This is a survey course on the modern history and international relations of a broad region of East and Southeast Asia as well as the region's interaction with the United States. The course is designed for students who want to understand the political and economic dynamics of the countries around the Pacific Basin and the historical roots of various problems in that region.

Prerequisite: ENGL 17000. Offered: Fall/Spring.

PS 38350 - Issues in Asia-Pacific Security (3)

GE-Human Culture: Foreign Culture/Human

Diversity The Asia-Pacific is undergoing rapid strategic change which has significant implications for the world's security. This includes the rise of China and its challenge to the US-led regional security order; the response of other major powers to these dynamics; unresolved maritime territorial disputes in the East China Sea and South China Sea; instability on the Korean Peninsula; as well as existing religious disputes. This unit examines contested concepts of regional order as well as the evolving power dynamics between the major regional powers, including China, the United States, Japan, and ASEAN. It analyzes the evolution and prospects for peacefully resolving regional flashpoints such as the Korean Peninsula, Taiwan and the South China Sea. Finally, it examines the role of regional security institutions, Indonesia's role in regional security, an assessment of the security and defense options for the United States in a changing Asia.

Prerequisite: ENGL 17000.

PS 38360 - Seapower: History and Application (3)

GE-Human Culture: World History Seapower: History and Application provides a survey emphasizing major developments in strategy, technology and the effects of political climate on control of the seas. Primary topics include significant naval engagements and milestones, prominent leaders and their contributions, and the role of sea power in national policy and diplomacy in both peacetime and war through the present day. The course also studies Mahan's naval strategy along with the effects of maritime policy on global stability and the importance of power projection in the contemporary world.

Prerequisite: ENGL 17000.

PS 38370 - Creating Contemporary China (3)

This course examines the history of China from its first revolution in 1911 to its rise as an economic giant today. It will cover aspects of China's political, economic, and international relations in the twentieth and twenty-first centuries. Topics in this course include the revolutionary upheavals of the twentieth century, the Second World War, the struggle of Nationalists and Communists, and China under Mao Zedong and Deng Xiaoping.

Prerequisite: ENGL 17000. Offered: Fall.

PS 38400 - International Relations Theory (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course focuses on a close examination of the writings of classical and modern theorists who have had an impact on the study of international relations. Students will also be introduced to different approaches used in studying international relations. Furthermore, key concepts such as "balance of power," "power," "power politics," "levels of analysis," and "negotiations and diplomacy" will be addressed.

Prerequisite: ENGL 17000. Offered: Spring.

PS 38500 - Politics and Culture (3)

This course offers a historical and cross-regional survey of culture, history, and power using both international relations theory and a series of case studies. A substantial body of literature has now demonstrated that identity in the form of religion, ethnicity, language, and civilization shapes the outcomes of elections and the form of government in a variety of countries around the world. The course will combine the approach of historians, anthropologists, and political scientists who have studied the interaction of culture and politics.

Prerequisite: ENGL 17000.

PS 38510 - Ideology and International Relations (3)

In this course, you will explore how political ideology shapes international and domestic politics. The global system has been deeply unsettled in recent years and political ideology is central to international debates over the global economy, the environment, pandemic management, and other critical areas. This course will help you understand and analyze debates in a sophisticated manner, as well as enriching your understanding of twentieth century history. You will examine ideological perspectives ranging from the democratic to the totalitarian, exploring how and why ideology was critical both to past events, such as the Second World War, and ongoing ones, such as the increasingly sharp confrontation between the United States and China.

Prerequisite: ENGL 17000 with a C or better; PS 18000.
Offered: Fall/Spring/Summer.

PS 38600 - Origins of War: How the World Stumbles into War (3)

This course will focus on the events leading up to the beginning of World War One and how mistakes and miscalculations led Europe into a war that few wanted. The course will discuss how choices and decisions made by the major European powers lead to the Great War. The origins of other modern wars will also be examined and compared to the origins of World War One.

Prerequisite: ENGL 17000. Offered: Spring.

PS 38700 - Paris 1919: Making of the Modern World (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course will discuss the events of, as well as the impacts of, the Paris Peace Conference of 1919 on the creation of the modern world. The effect of Paris Conference is still being felt in all the regions in the world and has played a significant role in creating the current world order. The course will discuss the background of the problems and the current situation that were created, or exacerbated by the events of 1919.

Prerequisite: ENGL 17000. Offered: Spring.

PS 38900 - Geopolitics, Grand Strategy, and War (3)

This course addresses how relationships amongst countries are shaped by both existing realities and policy decision-making. Geopolitics is the study of how geography, both physical and human, influences the global system. In making grand strategy, leaders attempt to harness the military, economic, diplomatic, and other assets available them to achieve their national objectives. The course will focus particularly on how the global security environment may develop in the twenty-first century and how the practice of warfare may change in this technologically and socially dynamic period of human history.

Prerequisite: ENGL 17000; PS 18000.

PS 45000 - Political Science Internship (1-6)

You can pursue internship opportunities in relevant government, business, and non-profit organizations and receive credit. You will work closely with both a faculty advisor and internship mentor to apply the knowledge and skills you learn in the classroom to practical situations by completing assignments such as keeping a journal, writing a series of papers, and/or writing a research paper. May be repeated for credit. This course is graded on a Pass/Fail basis.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600.

PS 47500 - Political Literacy (3)

Students will learn to critically analyze and synthesize important historical and contemporary research in political science. This course will introduce students to methods of policy research and data sources. They will learn how to access relevant data related to political developments and trends, and how to conduct original research using data from government records and databases. The course will emphasize research literacy skills, and identification and use of credible information sources.

Prerequisite: ENGL 17000; HIST 15500, PS 15500, or PS 15600; and at least one course at the ECON 30000- or PS 30000-level. Offered: Spring.

PS 47800 - Intelligence, Military, and National Policy (3)

This class will examine the role of the military and intelligence in the development and conduct of national and foreign policy since the development of the modern nation-state. The course will cover topics such as the politics of the defense, philosophy and strategies, deterrence, guerrilla warfare, counter-insurgency, and weapons technology.

Prerequisite: ENGL 17000; PS 38400. Offered: Spring.

PSY - Psychology**PSY 10000 - Principles of Psychology (3)**

GE-Social Science This course is an exploration of basic psychological concepts, methods, and findings contributing to an understanding of human behavior.

Offered: Fall/Spring/Summer.

PSY 10100 - Interactive Psychology (3)

GE-Social Science Individual activities, group discussion, and a self-directed behavior change project facilitate self-awareness and personal growth. This course is designed for the non-psychology major.

PSY 15700 - Psychology of Leadership (3)

GE-Social Science Students will learn about leadership theory, motivational theory, and emotional intelligence from a psychological perspective. The course will explore the knowledge base and skills necessary to be an effective leader in a variety of settings. Students will think critically about their own leadership abilities and examine their leadership skills and potential as they participate in self-assessments and leadership exercises. Lab fee may be required.

PSY 18100 - Cultural Psychology (3)

GE-Social Science/Human Diversity This course introduces general theories and methods related to culture and diversity. Students learn about the role of culture in human development, examine social relationships, and explore how culture molds cognitive processes, perception, and morality. Students explore the bridge between cultural psychology and identity enabling them to evaluate key concepts including gain a better understanding about group identity formation, stereotyping, prejudice, stigma, and multiculturalism through a cross-cultural framework. Students utilize research methods and analytical techniques of culture psychology to critically examining the topics covered in the course. Lab fee may be required.

PSY 20500 - Human Development (3)

GE-Social Science An overview of human development from conception through death. This course provides an introduction to the study of lifespan development focusing on physical, cognitive, and social development.

Offered: Fall/Spring.

PSY 20800 - Child Psychology (3)

An introduction to factors influencing children's social, emotional, motor, cognitive, and language development from conception to late childhood.

Prerequisite: PSY 10000. Offered: Fall/Spring.

PSY 21000 - Psychology of Parenting (3)

Theories and research related to parenting are discussed, with a focus on their practical application. Topics include cultural influences on parenting, social expectations of parents, discipline, fostering healthy lifestyles for children, and parenting in special circumstances including divorce, work, foster families, and gay and lesbian parents.

Prerequisite: PSY 10000. Offered: Fall.

PSY 21200 - Japanese Culture, Society, and Mind (3)

GE-Human Culture: Foreign Culture/Human Diversity This course is offered as a GE-HC:ForCul/HD course and delves into a variety of different aspects of Japanese culture, society, and mind from the traditional to the more modern. Some topic areas include customs, language, pop culture, holidays, etiquette, culture-envy, and philosophy. Emphasis is placed on anthropological, sociological, and psychological aspects of Japan and its people.

Prerequisite: ENGL 15000.

PSY 21500 - Careers in Psychology (3)

This course orients students to the discipline of psychology. Topics include the role of research in the field, and the range of specialty fields within the discipline. Provides guidance in the use of APA style and library databases, and explores careers related to the major.

Prerequisite: PSY 10000. Offered: Fall.

PSY 23500 - Death, Dying, Life, & Living (3)

This course encourages students to consider and plan for the psychological, medical, ethical, legal, cultural, and financial aspects of death, as well as the role of death awareness in cultivating meaning and joy in life.

Prerequisite: PSY 10000. Offered: Spring.

PSY 29000-29999 - Special Topics in Psychology (1-6)**PSY 30300 - Abnormal Psychology (3)**

This course is a survey of the major classes of mental disorders. Emphasis is on understanding symptoms, the complex interaction of factors related to mental disorders, and controversies in the field.

Prerequisite: PSY 10000. Offered: Fall/Spring/Summer.

PSY 30400 - Basic Research Methods (3)

This course explores the logic and methods of behavioral research. Students complete group research projects designed to reinforce pivotal concepts. Must be taken concurrently with PSY 30600.

Prerequisite: MTH 14100 or MTH 24100 with a C or better; PSY 10000; and one additional ANT, CCJ, PSY, or SOC course. Corequisite: PSY 30600. Offered: Fall/Spring.

PSY 30600 - Behavioral Science Statistics (3)

GE-Math This course emphasizes the application of descriptive and inferential statistics in behavioral science research. Must be taken concurrently with PSY 30400.

Prerequisite: MTH 14100 or MTH 24100 with a C or better; PSY 10000; and one additional ANT, CCJ, PSY, or SOC course. Corequisite: PSY 30400. Offered: Fall/Spring.

PSY 30800 - Psychology of Women & Gender (3)

Explores the historical, biological, psychological, sociological, and multicultural factors that shape women's lives and influence gender development and identity throughout the lifespan. Emphasis includes psychological research and theoretical frameworks that possibly explain gender similarities and differences. Also examines how gender impacts body image, victimization, physical and mental health, pregnancy and parenthood, achievement, and work experiences.

Prerequisite: PSY 20500 or SW 37000. Offered: Intermittently.

PSY 30900 - Personality (3)

Explores core concepts in the field of personality, with emphasis on how those concepts are integrated into personality theories and how they are evaluated scientifically. Students apply these concepts in independent projects.

Prerequisite: PSY 30300. Offered: Fall/Spring.

PSY 31100 - Behavior Modification (3)

An exploration of environmental influences on human behavior, with an emphasis on behavior modification procedures and behavior management.

Prerequisite: PSY 30400. Offered: Spring.

PSY 31200 - Psychology of Aging (3)

Examines psychological development in later adulthood, emphasizing the internal and external influences on aging and the dynamics of continuity and change. Emotional, cognitive, and social functioning are addressed.

Prerequisite: PSY 10000; PSY 20500 or SW 37000. Offered: Fall.

PSY 31300 - Psychology of Adolescence (3)

A cultural approach to physical, intellectual, emotional, and social development during adolescence. Historical context and research are given special attention in studying the development of personal identity, changing roles in the family, school, and community, and problems of adjustment, delinquency, and drug abuse.

Prerequisite: PSY 10000; PSY 20500 or SW 37000. Offered: Spring.

PSY 31500 - Psychology of Prejudice (3)

This course, broadly defined, will discuss group perceptions and interactions from a social psychological perspective and specifically on stereotyping, prejudice, and discrimination. In this course, we will examine the roots and causes of such biases, the consequences and implications, as well as prejudice reduction efforts. These biases apply broadly to all lived experiences (e.g., race, ethnicity, gender, sexuality, ability, religion, etc.).

Prerequisite: ENGL 17000 with a C or better; PSY 10000 and PSY 33400. Offered: Spring.

PSY 32100 - Health Psychology (3)

An investigation of the psychological influences on health, illness, and the physical, behavioral, and cognitive adaptation to illness. The mind-body relationship is examined through topics including exercise, stress, weight control, pain management, meditation, coping styles, psycho-immunology, and behavioral habits.

Prerequisite: ENGL 17000; PSY 10000. Offered: Spring.

PSY 32400 - Psychological Testing (3)

Examines mental measurement theory and the principles of reliability, validity, and standardization as related to the construction and interpretation of tests. Tests of achievement, aptitude, intelligence, interest, and personality are studied as illustrations of the problems of measurement and the variety of solutions to those problems. Ethics of test use receives special consideration.

Prerequisite: PSY 30300; PSY 30400 and PSY 30600 with a C or better. Offered: Intermittently.

PSY 32500 - Behavioral Neuroscience (3)

This course examines the central nervous system, the development and function of nerve cells, and brain-behavior relationships. Topics include motivation, learning, sensation and perception, movement, emotions, and brain dysfunction.

Prerequisite: PSY 10000: Two PSY courses at or above the 20000-level. Offered: Spring.

PSY 32600 - Sensation and Perception (3)

This course covers the biology of the brain and sensory systems, both of which allow perceptual processing to occur. Our reality is based upon receiving sensory input and giving meaning to that input by translating incoming information into a focused perception of our environment.

Each of us has our own personal reality. We will discuss the mechanisms behind our perceptual experiences, as well as the philosophical questions associated with both “normal” and “abnormal” functioning. This class primarily focuses on visual and auditory processing; however, we will also briefly explore other sensory systems and perceptual phenomena.

Prerequisite: PSY 10000 and two psychology (PSY) courses at or above the 20000-level. Offered: Fall/odd years.

PSY 33000 - Learning and Memory (3)

This course investigates factors involved in acquiring and changing behaviors. Theories, models, and empirical findings in the field of learning and memory are explored.

Prerequisite: PSY 30400 with a C or better. Offered: Fall even years.

PSY 33100 - Cognitive Psychology (3)

This course examines mental processes related to perception, attention, problem-solving, thinking, and decision making. Theories, concepts, and experimental methods in cognitive research are explored.

Prerequisite: PSY 30400 with a C or better.

PSY 33200 - Psychology of Motivation and Emotion (3)

An analysis of the major theories of motivation, the data on which they are based, and applications of motivation concepts.

Prerequisite: ENGL 17000 with a C or better; PSY 10000. Offered: Fall.

PSY 33400 - Social Psychology (3)

This course examines the effect of the social situation on the individual. Topics include self-perception, social cognition, social influence, attraction and relationships, attitude formation and persuasion, prejudice, and group behavior.

Prerequisite: ENGL 17000 with a C or better; PSY 10000. Offered: Fall/Spring.

PSY 34100 - Psychotherapy (3)

An introduction to the theories, principles, and techniques of various current approaches to psychotherapy.

Prerequisite: PSY 30300. Offered: Intermittently.

PSY 35100 - Understanding Depression (3)

This seminar-style course involves an exploration of several ways of thinking about, talking about, and understanding the experience generally labeled as “depression,” all with an eye toward gaining a greater appreciation of what its inner experience is like. Some of the perspectives we’ll explore are the psychodynamic, cognitive, humanistic-existential, neurobiological, evolutionary, cultural, gendered, and literary perspectives on the first-hand experience of depression. A range of intervention approaches will also be explored. This course

will entail substantial reading, writing, and discussion, and is intended for upper level students with a strong interest in the topic.

Prerequisite: PSY 30300. Offered: Intermittently.

PSY 36500 - Human Sexuality (3)

This course is a survey of theories and research on psychological aspects of human sexual behavior. Topics include male and female sexual development, psychological and cross-cultural perspectives on sexual behavior, sexual behavior in special populations, aberrant sexual patterns, and current sexual trends in America.

Prerequisite: ENGL 17000 with a C or better; PSY 10000. Offered: Fall.

PSY 39000-39999 - Special Topics in Psychology (1-6)

PSY 40440 - Advanced Research Methods & Statistics (3)

This is an advanced course in research design and analysis. Students design and conduct original behavioral research, analyze their data, and present their findings to others. Strongly recommended for students planning to pursue graduate study in the social or behavioral sciences.

Prerequisite: PSY 30400 with a C or better; PSY 30600 with a C or better. Offered: Intermittently.

PSY 45000 - Psychology Practicum (3)

This course provides opportunities for advanced students to explore applications of psychology in independently-arranged off-campus supervised practicum experiences. Practica require mastery of psychological concepts related to the designated situation. Repeatable at two different practicum sites but can only count as one elective in the general cluster.

Prerequisite: ENGL 17000 with a C or better; minimum GPA of 3.0 in Psychology; junior standing. Offered: Fall/Spring/Summer.

PSY 48000 - Psychology Research Lab (1-6)

Students will plan, execute and report on a project in consultation with a faculty mentor. May be repeated for credit. This is an undergraduate research course.

Prerequisite: PSY 30400; permission of instructor.

PSY 48300 - Senior Thesis (4)

This is an independent research experience in which advanced students design, conduct, and write up a substantial original research project. Students are encouraged to present the results of their work at regional and/or national conferences.

Prerequisite: ENGL 17000 with a C or better; PSY 40400 with a B or better; permission of instructor. Offered: Fall/Spring.

PSY 48500 - Senior Seminar (3)

This course is a survey of the history of psychology and recent developments in various fields within the discipline. Learning from previous coursework is consolidated and integrated. Relationships between personal characteristics and career choices are explored. Professional issues and ethics are examined.

Prerequisite: 18 credit hours of Psychology courses; senior standing. Offered: Fall/Spring.

RAD - Radiologic Technology**RAD 31000 - Radiologic Technology I (15)**

A student's first semester of study at the radiologic technology affiliate program. Topics may include an introduction to basic aspects of imaging, radiologic technology, and the health care system, in general.

Prerequisite: BSC 22800 with a C or better. Offered: Fall.

RAD 32000 - Radiologic Technology II (15)

A student's second semester of study at the radiologic technology affiliate program. Topics may include medical terminology, methods of patient care, and principles of radiation biology.

Prerequisite: RAD 31000. Offered: Spring.

RAD 41000 - Radiologic Technology III (15)

A student's third semester of study at the radiologic technology affiliate program. Topics may include radiographic procedures, human structure and function, as well as various other radiographic imaging concepts.

Prerequisite: RAD 32000. Offered: Fall.

RAD 42000 - Radiologic Technology IV (15)

A student's fourth semester of study at the radiologic technology affiliate program. Topics may include medical ethics and law, radiographic pathology, pharmacology, and digital imaging technologies.

Prerequisite: RAD 41000. Offered: Spring.

REC - Recreation, Sport, and Tourism Management**REC 11300 - Wilderness Survival (2)**

This lecture and lab course will introduce students to basic emergency preparedness skills to enhance their preparation for participation in outdoor, life-time sports activities. The course includes a lecture and an overnight field experience simulating a survival situation.

REC 12000 - Shotgun Shooting Skills (1)

This lecture and lab course will expose the students to the basic knowledge, skills, and tools needed to enjoy the sport of recreational shotgun shooting. Topics to be covered will

be safety, shotgun nomenclature, proper shooting stances, and proper shotgun shooting techniques. Not open to students with credit in PE 11200.

Offered: Fall/Spring.

REC 12100 - Muzzle Loading (1)

This lecture and lab course introduces students to the life-time sport of black powder muzzle loader shooting. Students will be introduced to the history and development of early American firearms and their application as a tool for personal defense, providing food and recreational sport on the American frontier. Students will learn the basics of safely loading and shooting both flint-lock and percussion cap rifles.

Offered: Fall/Spring.

REC 12200 - Dutch Oven Cooking (1)

This lecture and lab course introduces the student to the life-time activity of Dutch-oven cooking. Students will learn the history of the Dutch Oven, America's official open fire cooking vessel, and preparation of simple meals to include meats vegetables, soups, breads and desserts over an open fire or a fireplace hearth. The course will enhance ones understanding of frontier life and provide cooking skills for further enjoyment of the outdoors.

Offered: Fall/Spring.

REC 12400 - Casting and Angling (1)

This lecture and lab course introduces students to the life-time sport of freshwater fishing using spinning and spin-cast reels with ultra-light and standard rods. Students will be introduced to techniques of catching large-mouth bass, bluegill, crappie and other species native to Missouri. The course includes a hands lab at an area lake or pond with an experienced instructor and guide.

Offered: Fall/Spring.

REC 12500 - Land Navigation (1)

This lecture and lab course introduces the student to the life-time sport of land navigation. Students will be introduced to reading topographic maps and utilizing, standard compasses and Global Positioning Systems, (GPS). Students will participate in both classroom instruction and field exercises. Skills learned in the course will have both recreational and professional applications. Not open to students with credit in PE 12200.

Offered: Fall/Spring.

REC 12600 - Introduction to Team Building (1)

This lecture and lab course is designed to give students a basic understanding of team building skills and activities that can be used to improve cohesion within a group. Students will learn and participate in twenty to thirty team building activities for improving trust, teamwork, confidence, goal setting, tolerance, patience, and team success.

REC 12700 - Hunting in Missouri (2)

This lecture and lab course introduces students to the life-time sport of recreational hunting with a focus on hunting in Missouri. Instruction includes a strong emphasis on safety, ethics, laws and hunting techniques. Student will participate in field exercises to demonstrate proficiency in handling a firearm safely and responsibly. Students successfully completing the course will earn the Missouri Hunter Education certification card, required in all states and provinces in North America to purchase a hunting license. This course must have a minimum of 10 students or will be cancelled due to hunter safety policies and regulations. Not open to students with credit in PE 16100.

REC 12800 - Caving (1)

This lecture and lab course will teach the students the life-time sport of recreational caving. Students will be exposed to the basic knowledge, skills and tools needed for proper caving activities. Topics to be covered will be effective group leading, cave formation, biological life forms and geology, safety, proper equipment, and climbing techniques. There will be a lab portion to the class held at Meramec State Park.

Offered: Fall/Spring.

REC 13600 - Scuba (1)

This course will teach students the basic knowledge of scuba diving with emphasis on risk and safety, equipment, group leadership, and planning for scuba diving expeditions. Not open to students with credit in PE 13600.

REC 13700 - Archery (1)

This course will teach students the lifetime sport of archery. Students will learn basic knowledge and techniques needed for archery with emphasis on equipment selection and care, safety considerations, and techniques of shooting. Not open to students with credit in PE 13700.

REC 14400 - Camping (1)

This course will expose students to camping in the outdoors. Wilderness ethics, outdoor cooking, backpacking, and camp selection and clean-up will be taught and demonstrated. Overnight field trip required. Not open to students with credit in PE 14400.

REC 14500 - Mountain Biking (1)

This course will teach students the fundamentals of mountain biking and trail riding. Equipment selection, riding technique and safety will be examined and demonstrated. Students will need to provide their own

bicycle for field trips. Field trips required. Not open to students with credit in PE 14500.

REC 14600 - Backpacking (1)

This course exposes students to backpacking and living/camping in the primitive outdoors. It will educate them in wilderness awareness/safety, outdoor ethics, cooking, campsite and campfire selection and clean-up, proper leadership practices and preparations for backpacking and outdoors activities, introductory wilderness first aid concepts, and group leadership will be taught, shared, demonstrated and learned.

REC 14800 - Hiking (1)

This course will introduce students to hiking in the outdoors. Emphasis will be on planning and preparing for hikes for individuals and group outings, safety, and outdoor ethics. Field trips required. Not open to students with credit in PE 14800.

REC 14900 - Canoeing (1)

This course will expose students to the fundamentals of canoeing. Emphasis will be on safety considerations, paddling technique, equipment and trip planning. Field trips required. Not open to students with credit in PE 14900.

REC 15200 - Rock Climbing (1)

This course will expose students to the fundamentals of rappelling. Students will be instructed on equipment selection, safety issues, knots, belaying, and climbing technique. Field trips required. Not open to students with credit in PE 15200.

REC 15700 - Recreational Pursuit Resources (2)

This course will expose students to a wide variety of recreational outdoor activities, the public and private entities that administer them and the changes that increasing demand will necessitate in the future. Group dynamics, Leave No Trace, Permits, and Leadership training will be covered in lecture and lab portions of the course to prepare students for future participation and leadership roles in outdoor activities. The course may include five to eight field trips and one over-night field trip.

Offered: Fall/Spring.

REC 19000-19999 - Special Topics in Recreation, Sport, and Tourism Management (1-3)

REC 20100 - Fundamentals of Interpretation (3)

This course will introduce the effective oral communication techniques to facilitate the interpretation of natural and cultural resources. Components include audience assessment, non-verbal communication, proper use of carriage and dynamics, and topic research and development. In addition, the course will discuss the use of these interpretation methods and techniques in planning and managing interpretative programs.

Offered: Fall/Spring.

REC 20300 - Adventure Education and Leadership (3)

This course includes the study of group dynamics and the team building process. Students will learn the facilitation process and a variety of leadership skills designed to deliver effective team initiative and cooperative experiential learning experiences. Briefing, debriefing, processing, activity sequencing, group development, communication strategies, and activity delivery will be the learning components discussed and experienced in this course. Not open to students with credit in PE 20300.

REC 20600 - Leisure in Contemporary Society (3)

GE-Social Science This course will focus on conceptual foundations for understanding the role of leisure in the quality of life in America. The history of and expanding role of recreation and leisure in the United States will be explored with emphasis on factors influencing leisure, analysis of leisure values as related to individuals and society, and the study of historical significance of key events and individual contributions from cultural, psychological, individual, political, social, and economic points of view.

Offered: Fall/Spring.

REC 21400 - Cultural Tourism (3)

GE-Human Culture: Foreign Culture/Human Diversity This course will examine the cultural characteristics that affect the tourism industry. An analysis of cross-cultural issues will be discussed as it pertains to tourists being exposed to culturally different societies, culture exchanges and interactions, and the influence of national cultures on the tourist as well as the locals.

REC 22000 - Cooperative Educational Programs (2)

This course is designed to prepare students for the professional world of recreation. Course discussion will include professional standards, ethics and evaluation of recreation organizations focusing on leadership and management skills. Students will demonstrate and practice developing a résumé, cover letters, a portfolio, references, related experiences and interviewing skills.

Prerequisite: Junior standing. Offered: Fall.

REC 28200 - Wilderness First Responder (3)

This WFR certification course will cover the knowledge and skills needed to respond to backcountry medical and trauma situations. Emphasis will be on prevention and decision making in emergency situations in remote areas.

Prerequisite: Permission of dean.

REC 31000 - Inclusive and Therapeutic Recreation (3)

This course will introduce students to the inclusive recreation professions person-first philosophy and will outline the therapeutic recreation process as well as its model and modalities of practice. Students will examine trends and issues, looking at demographics, economics, politics, and legislation as they affect the profession. Students will also be exposed to intervention techniques from a number of perspectives including orthopedic and neurological impairment, developmental disabilities, mental health, youth development, aging and wellness. Students will be required to attend field trips to local recreation sites for hands on learning of the need for more inclusive sites in the local communities.

Prerequisite: ENGL 17000. Offered: Spring.

REC 31100 - Processes & Techniques in Therapeutic Recreation (3)

Review of different techniques and strategies used in working with diverse populations in both clinical and community settings. Special emphasis is given to experiential skills and prescriptive interventions that are purposeful and attached to client goals.

Prerequisite: REC 31000. Offered: Fall.

REC 31200 - Sports and Society (3)

This course examines the contemporary issues in sport and the impact sport has on society. Topics will include the development of sport, institutions of sport, sport as a business, and sociocultural concerns within American sports.

Prerequisite: ENGL 17000.

REC 31300 - Professional Issues and Current Trends in Therapeutic Recreation (3)

Professional, theoretical, and ethical issues in the delivery of traditional therapeutic recreation programs and services. Emphasis on standards of practice, legislation, health care insurance and reform, application of theory to practice, and issues facing therapeutic recreation practice. This course will also include a seminar in understanding latest technological innovations in the field of Therapeutic Recreation.

Prerequisite: REC 31000. Offered: Spring.

REC 31400 - Assessment Techniques in Therapeutic Recreation (3)

Exploration of various assessment and evaluation techniques and strategies used in clinical and community settings. Emphasis given to basic psychometrics associated

with assessment, construction of assessment tools, use of observation techniques, and how to effectively utilize note-taking strategies. Additional emphasis will be on data reporting and effective application of the therapeutic process connecting assessment, planning, implementation, and evaluation.

Prerequisite: REC 31000. Offered: Spring.

REC 32000 - Adapted Sports and Therapeutic Recreation Activities (3)

This course is designed to expose the student to the history, future direction, and various types of adapted sport and therapeutic recreation activities that exist for individuals with chronic disease and disability. Students will master general rules, classifications, and modifications for maximum inclusion for sport, physical activity, and recreation for children and adults of all ages and disabilities to emphasize full potential in life. Specific sports and therapeutic recreation opportunities will be experienced hands on by the student. The student will be able to critically discuss issues surrounding adapted sport, as well as sufficiently design programs and modify physical activity, sport, and therapeutic recreation by developing an inclusive philosophy and atmosphere in programs.

Prerequisite: ENGL 17000. Offered: Fall.

REC 32300 - General Recreation Programming (3)

This course is designed for the introduction of program planning in recreation settings. Programming models, intervention techniques, planning, marketing implementation and evaluation of recreation programs will be discussed.

Prerequisite: HFS 21500.

REC 32500 - Outdoor Recreation and Leadership (3)

This course is designed for development of skills related to outdoor programming. Students will be exposed to technical, organizational, instructional and facilitative leadership skills that are essential for planning and leading outdoor recreational trips.

Prerequisite: HFS 21500 or REC 11300.

REC 32600 - Outdoor Education (3)

This course will expose students to the experiential learning process that takes place in the outdoors. The course will focus on environmental and conservation education, school camping, and wilderness therapy.

Prerequisite: BSC 11200, BSC 24400, HFS 21500, or REC 11300.

REC 33300 - Program Design and Assessment in Recreation Therapy (3)

This course provides detailed knowledge of the intervention planning process, including program or treatment plan design and development, programming considerations, types of programs, nature and scope of

interventions, and selection of programs to achieve the assessed needs and desired outcomes of the person served.

Prerequisite: REC 31000. Offered: Spring.

REC 34200 - Camp Management and Leadership (3)

This course will provide students with an understanding of administrative and organizational practices in structured camp settings. Students will be exposed to the theory, practice, and challenges of program planning for youth development within the context of recreation camps. Not open to students with credit in CMS 30500.

Prerequisite: HFS 21500, REC 11300, REC 12500, REC 20300, REC 20600 or REC 32000.

REC 35000 - Tourism and Commercial Recreation (3)

This course is a study of the dynamics of the tourism industry and commercial recreation enterprise as elements of the leisure service delivery system. Course focuses on exploration of the tourism system (market, attractions, services, transportation, accommodations, and marketing and promotion) with emphasis on planning and development, trends, and starting one's own business.

Prerequisite: ENGL 17000.

REC 36200 - Program Design and Event Management (3)

This course provides practical knowledge and experiences as it guides students through the assessment, planning, implementation, and evaluation process for designing programs and managing events offered through recreation, sport and tourism organizations.

Prerequisite: EXS 25000, HFS 21500, PE 15000, REC 20300, or REC 32000. Offered: Spring.

REC 37000 - Adventure Programming Leadership (3)

This course is a hands-on leadership experience that requires students to plan, organize, and lead a high adventure trips. The students will also learn about group dynamics in outdoor high adventure settings and how to incorporate the appropriate risk management measures.

Prerequisite: HFS 21500 or REC 11300.

REC 38000 - Recreation and the Natural Environment (3)

This historical overview of the use of natural environments will introduce students to the formal and informal settings of leisure and recreation involvement. The course will also explore the interrelationship among people and the environment.

Prerequisite: HFS 21500 or REC 11300.

REC 38100 - Recreation Facility Design and Operation (3)

The principles of managing recreation sites and facilities will be studied. Selected urban parks, swimming facilities, and indoor and outdoor sports facilities will serve as

examples of management strategies applications. Field trips required.

Prerequisite: EXS 25000, HFS 21500, PE 15000, REC 20300, REC 32000, or REC 32600. Offered: Spring.

REC 38300 - Recreational Sports Management (3)

This course will teach the fundamental proficiencies to obtain basic skills in operating recreational sports programs. This will include risk and safety issues related to these skill areas.

Prerequisite: HFS 21500.

REC 38500 - Practicum (1-3)

This course provides students with professional experiences in the field of recreation. Students will choose a recreation agency to work with to complete a wide variety of recreation duties in the field. A minimum of 50 hours must be completed per credit. The recreation agency must be approved by the instructor. Course is cross-listed with HFS 35000 Practicum.

Prerequisite: HFS 21500. Offered: Fall/Spring. Cross-Listed as: HFS 35000.

REC 40500 - Research Methods in Recreation, Sport and Tourism (3)

This course is a survey of the development, evaluation, and application of research in recreation and leisure. The use and interpretation of statistical techniques in terms of strengths and weaknesses are considered. Not open to students with credit in HFS 30500.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall/Spring.

REC 41000 - Recreation Organization and Administration (3)

This course will provide a comprehensive overview of administrative aspects of recreation including financial management strategies and procedures. Leadership styles, employee development, volunteer management, evaluations, and safety issues; including lighting, heat illness, aquatics, playground equipment, drug abuse, and medical emergency plans will be discussed. This course is not open to students with credit in EXS 30000, HFS 33000, or PE 34900.

Prerequisite: HFS 21500. Offered: Fall. Cross-Listed as: HFS 33000.

REC 41200 - Leisure and Aging (3)

This course provides an overview of aging with respect to providing therapeutic recreation services to older adults. The course will focus on issues such as physiological, psychological, and socio-economic factors of the aging process; community leisure resources and institutional services; and recreation in assisted living facilities and long-term care settings.

Prerequisite: REC 31000 or PSY 31200.

REC 46200 - Recreation Senior Seminar (3)

This course is designed to draw on the information and skills developed over the course of the recreation program. This course will serve to reinforce the integration of the concepts presented in recreation core courses including foundational concepts and theories, programming, leadership, operations, marketing, administration, evaluation, and professionalism.

Prerequisite: HFS 35000; REC 36200. Offered: Fall.

REC 47000 - Environmental and Historical Interpretation Methods (3)

Students will be taught the development of effective techniques for interpretation of natural and cultural resources. Also discussed is the use of these interpretation methods and techniques in planning and managing an interpretive program. Required field trips.

Prerequisite: REC 20100.

REC 47200 - Natural Resource Management (3)

The principles and skills required for managing outdoor recreation sites and visitor systems where the natural environment provides the dominant attraction are introduced. Selected parks, resorts, camps, and preserves will serve as example applications of management functions and strategies. Includes required field trips.

Prerequisite: BSC 11200, BSC 24400, HFS 21500, or REC 11300.

REC 47600 - Wilderness Institute (1-6)

This pass/fail course is an intensive off site training through experiential programs with emphasis in wilderness backcountry skills; leadership and expedition behavior; risk assessment, management and decision making; and environmental studies, ethics, and leave no trace practices. This course can be satisfied by enrolling in any standard NOLS course. Fifty contact hours must be completed per credit hour. NOLS courses are considered 10 contact hours per day. Students must attain a NOLS grade of C or above in all four of the core areas to receive a passing grade.

Prerequisite: BSC 24400; REC 20600.

REC 48200 - Internship in Recreation, Sport and Tourism (3-12)

This course provides students with professional experiences in the field of recreation. Students will choose a recreation agency to work with to complete a wide variety of recreation duties in the field. Students enrolled in three-eight credit hours must complete a minimum of 400 hours. Students enrolled in more than eight credit hours must complete an additional 50 hours per credit beyond eight. The recreation agency must be approved by the instructor.

Prerequisite: REC 36200; junior standing; permission of instructor. Offered: Fall/Spring.

REC 49000-49999 - Special Topics in Recreational Administration (1-3)**SCI - Natural Science****SCI 21200 - History of Science (3)**

The course covers the history of the development of science from its recorded beginnings to modern times. An emphasis on the development of the scientific method throughout history, as well as some discussion of scientific ethics will be presented.

SCI 21400 - Ethical Problems in Science (3)

GE-Natural Science This course must be taken concurrently with CHM 10500 and BSC 11400. This course considers how advances in human technological capabilities pose problems for human societies. The course will focus primarily on threats to human and ecosystem health. Students will evaluate scientific data, the sometimes conflicting interpretations of those data, and their implications for public policy.

Corequisite: BSC 11400; CHM 10500.

SOC - Sociology**SOC 10200 - Basic Concepts of Sociology (3)**

GE-Social Science/Human Diversity Students are introduced to the basic concepts and theories of sociology as the scientific study of human society. The course includes such topics as collective behavior, socialization, culture, stratification, social institutions, social control, globalization, and social change.

Offered: Fall/Spring.

SOC 19000-19999 - Special Topics in Sociology (1-6)**SOC 21100 - Introduction to Applied Sociology (3)**

This course will provide students the opportunity to learn how to *apply* sociological concepts, theories, and research methods to solve real-life questions and problems. The contexts in which these questions and problems will occur include, but are not limited to, inequality, education, business, religion, government, social service agencies, health care, aging and assisted living, criminal justice, and civic groups. Specific client-based questions and problems will be provided to students from a local community organization, adding a service learning component to this course.

Prerequisite: ENGL 17000. Offered: Spring.

SOC 21400 - The Family (3)

GE-Social Science This course is an exploration of the interpersonal dynamics of family life, the variation in

family structure and function in different social classes and cultures.

Offered: Spring.

SOC 22000 - Social Problems (3)

GE-Social Science/Human Diversity This course is a survey of a number of problems often common to the modern world. The relation of these problems to such sociological variables as values, social class, gender, race, and ethnicity is explored.

Offered: Fall.

SOC 29000-29999 - Special Topics in Sociology (1-6)**SOC 30400 - The Sociology of Gender Roles (3)**

GE-Social Science/Human Diversity This course addresses the impact of gender roles on everyday life in society. Students examine gender in relation to stratification, equity, lifestyle, and social interaction across cultures.

Prerequisite: ENGL 17000. Offered: Spring.

SOC 31800 - Race, Ethnicity, and Gender (3)

GE-Social Science/Human Diversity This course will investigate patterns of racial, ethnic, and gender intersectional inequality in American society. A particular focus will be on inequality embedded within institutions such as media, education, criminal justice system, and the economy.

Prerequisite: ANT 10000, ANT 11200 or SOC 10200; ENGL 17000; junior standing. Offered: Fall.

SOC 32100 - Urban Sociology (3)

This course is an examination of various features of urban life. This includes both physical features of cities as well as the sort of social interactions common to urban life.

Prerequisite: ANT 11200 or SOC 10200; junior standing. Offered: Fall.

SOC 32200 - Social Deviance (3)

This course is a consideration of a variety of norm violations, as manifested in thought and appearance as well as behavior. Explanations of deviance and the responses to it are also examined.

Prerequisite: ANT 11200, CCJ 11000, PSY 10000, or SOC 10200; junior standing. Offered: Fall. Cross-Listed as: CCJ 32200.

SOC 32600 - Drugs and Society (3)

This course is a focus on the social forces that surround and contribute to the definition of drugs and alcohol use and abuse. The various legal and other responses to drug use and abuse are also considered.

Prerequisite: ANT 11200, CCJ 20000, PSY 10000, or SOC 10200. Cross-Listed as: CCJ 32600.

SOC 33500 - Sociology of Sport (3)

Sport, as a topic of analysis and investigation, is critical to the understanding of the social world for sport has been defined as a microcosm of society, and more importantly because of the immense role sport plays in American culture. This course will approach sport as a social institution that serves a function, reinforces inequality, provides meaning in and to our everyday lives, and can be defined as an empowering experience/activity. We will use sociological perspectives to analyze both past and present issues surrounding sport and physical activity. Issues covered in this course include race, social class, the economy, gender, sexuality, disability, and sport as a corporate entity.

Prerequisite: SOC 10200. Offered: Fall.

SOC 39000-39999 - Special Topics in Sociology (1-6)**SOC 40000 - Undergraduate Research (3)**

Students will be involved in conducting field research in sociology.

Prerequisite: ANT 42000 or SOC 42000; ENGL 17000 with a C or better; SOC 10200; junior standing.

SOC 42000 - Sociological Theory (3)

This course is a survey introduction to the history and contemporary developments in anthropological and sociological theory. The emphasis is on European and early American theorists who had a strong impact on contemporary anthropology and sociology.

Prerequisite: ANT 11200 or SOC 10200; ENGL 17000 with a C or better; junior standing. Offered: Spring.

SOC 45000 - Internship in Sociology (3-9)

Students will do an internship in a private or public institution or agency with a sociological focus.

Prerequisite: ENGL 17000 with a C or better; SOC 10200; junior standing.

SOC 46000 - Senior Capstone in Sociology (1)

The purpose of this course is two-fold. First, the capstone course will provide seniors in sociology with a culminating experience. In other words, students will engage in discussions, complete readings/assignments, and reflect on course work that will assess their overall learning and utility of sociological content, theories, and methods. Second, the capstone course provides students with the opportunity to develop and plan for employment and/or graduate school. Essentially, this is a course that “wraps up” a sociology major’s learning experience and prepares them for how they can utilize their knowledge and skills in the “real world”. May be repeated for a maximum of 3 credit hours.

Prerequisite: Senior standing.

SOC 48900 - Honors Project (6)

Students will do a specialized in-depth research project with a sociological focus.

Prerequisite: ENGL 17000 with a C or better; SOC 10200; junior standing.

SOC 49000-49999 - Special Topics in Sociology (1-6)**STH - Science, Technology, and Health****STH 20000 - Introduction to Scientific Research (3)**

This course provides instruction on scientific methods, basic research design, and statistical techniques commonly employed in various scientific fields of study. Students will also be exposed to practical experiences designing and completing a research project and developing their presentation and writing skills as it relates to scientific literature. A culminating experience for all students will be the completion of data collection and presentation on a scientific study in a field of their choice. This course is repeatable up to a maximum of twelve credit hours.

Offered: Fall/Spring.

SPA - Spanish**SPA 10000 - Spanish Seminar (0)**

All Spanish minors and certificate students are required to enroll in Spanish Seminar SPA 10000 during a “gap semester” (that is, a semester in which they are not able to enroll in a course for their Spanish language sequence or Spanish minor requirements). Enrollment throughout the course of studies is highly encouraged. Students will actively participate in departmental activities through various assignments and meetings. May be repeated. This course is graded on a Satisfactory/Unsatisfactory basis.

Prerequisite: SPA 10100; Spanish minor. Offered: Fall/Spring/Summer.

SPA 10100 - Elementary Spanish I (3)**GE-Human Culture: Foreign Language/Human**

Diversity Would you like to have basic conversations in Spanish about general topics such as your family, daily activities and pastimes? Are you interested in learning about Hispanic cultures including Latin pop culture and the popular pastime of fútbol? This first-semester course will introduce you to these topics and many others by covering the basic fundamentals of the language. In this course, you will practice using Spanish in a variety of oral and written contexts as you begin to develop basic speaking, listening, reading and writing skills, as well as your knowledge of Hispanic culture.

Offered: Fall/Spring.

SPA 10200 - Elementary Spanish II (3)**GE-Human Culture: Foreign Language/Human**

Diversity Do you know some Spanish and would like to learn more? Are you interested in learning about cultural topics such as Hispanic celebrations and food? Do you dream about traveling and being able to buy souvenirs and try different Hispanic dishes and drinks? This second-semester course will review these topics and enable you to describe past experiences and events. In this course, you will continue to practice using Spanish in a variety of oral and written contexts as you develop your speaking, listening, reading and writing skills, as well as your knowledge of Hispanic culture.

Prerequisite: SPA 10100. Offered: Fall/Spring.

SPA 19000-19999 - Special Topics in Spanish (1-6)**SPA 20100 - Intermediate Spanish I (3)****GE-Human Culture: Foreign Language/Human**

Diversity Are you interested in going beyond basic conversations in Spanish? Would you like to be able to use more complex language to express your thoughts and opinions? Are you interested in learning about important current and cultural events in the Hispanic world? This third-semester course will review these topics and many others as you deepen your knowledge of the language and culture. In this course, you will continue to practice using Spanish in a variety of oral and written contexts as you develop your speaking, listening, reading and writing skills, as well your knowledge of Hispanic culture.

Prerequisite: SPA 10200. Offered: Fall.

SPA 20200 - Intermediate Spanish II (3)**GE-Human Culture: Foreign Language/Human**

Diversity Do you want to feel comfortable having conversations in Spanish about personal things such as your daily routine, family, home and childhood? Would you like to gain confidence as you talk about more complex topics dealing with issues such as current world events, politics and the workforce? This fourth-semester course will build on your existing foundation in Spanish and help you gain fluency and confidence in your language abilities. In this course, you will use Spanish in a variety of oral and written contexts as you strengthen your speaking, listening, reading and writing skills, as well as deepening your knowledge of Hispanic culture.

Prerequisite: SPA 20100. Offered: Fall.

SPA 25000 - Multiculturalism and Multilingualism (3)

GE-Social Science/Human Diversity Have you ever wondered why adults seem to have such a hard time learning a second language? Do you question why you can't roll your r's after years of studying Spanish? Can someone be bilingual but not bicultural, or vice versa? This course answers these questions and many others, providing a comprehensive introduction to the phenomenon of using two or more languages in daily life. Our goal is to not only

understand what it means to be bilingual/multilingual, but also to better understand and interact with our bilingual/multilingual friends, business associates, coworkers, students, and other non-monolinguals. We will use research from applied linguistics, cognitive psychology, sociolinguistics, and anthropology to examine the following key topics: defining and measuring bilingualism/multilingualism second language acquisition, language use and choice, bilingual/multilingual literacy, language identity, bilingual education, and cognitive and social effects of bilingualism/multilingualism.

Prerequisite: ENGL 15000 or EPP 15000 with a C or better. Corequisite: ENGL 25000. Offered: Fall.

SPA 28000-28099 - Special Topics (3)

(Intermediate Level) This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. May be repeated for additional credit if taken under a different topic. Lab fee may be required.

SPA 29000-29999 - Special Topics in Spanish (1-6)**SPA 30500 - Advanced Spanish Language (3)****GE-Human Culture: Foreign Language/Human**

Diversity Would you like to gain more confidence communicating with others in Spanish? Do you get frustrated with the use of ser, estar, preterit, imperfect and the subjunctive? This review course is designed to help you improve your Spanish speaking, listening, reading and writing skills. In this course, you will review the most important grammatical structures and apply what you have learned to everyday oral and written situations. Through systematic grammar review, reading and analysis of cultural and literary materials, formal and informal group discussions, oral presentations, and written assignments, this course will prepare you to interact confidently with others in Spanish in a variety of settings and contexts. Taught in Spanish.

Prerequisite: SPA 20200 with a C or better. Offered: Fall.

SPA 31000 - Hispanic Cultures I (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This course is a study of historical, cultural, and folkloric sources of the life and customs of the Spanish and Latin American peoples with emphasis on the social, economic, and intellectual life of Spain and Latin America today. Taught in Spanish.

Prerequisite: SPA 30500 with a C or better. Offered: Fall/Spring.

SPA 31300 - Advanced Spanish Composition Workshop (3)**GE-Human Culture: Foreign Culture/Human**

Diversity This intensive composition course is designed to

polish the student's writing skills in Spanish through practical applications of writing, reading, and editing skills.

Offered: Spring.

SPA 32100 - Practical Oral/Written Expression (3-6)

This is a Study Abroad course and may be completed at a number of locations. Consult with your Spanish program advisor and the Lindenwood Study Abroad office.

SPA 32101 - Advanced Spanish Grammar (3)

This is a Study Abroad course and may be completed at a number of locations. Consult with your Spanish program advisor and the Lindenwood Study Abroad office.

SPA 32117 - Special Topics: Culture (3-9)

This is a Study Abroad course and may be completed at a number of locations. Consult with your Spanish program advisor and the Lindenwood Study Abroad office.

SPA 32500 - Hispanic Texts I (3)

GE-Human Culture: Literature/Human

Diversity Through reading and analysis of key literary works from Spain and Latin America, this course examines literary genres and their representative authors, their major works, and influence. The content of the course varies and will present, in a four-year rotation, different themes and periods of Spanish and Spanish-American literatures. Taught in Spanish.

Prerequisite: SPA 30500 with a C or better. Offered: Fall/Spring.

SPA 34400 - LatinX Literature (3)

GE-Human Culture: Literature/Human Diversity This course introduces students to literature of the LatinX communities in the United States. The literature will serve as a focal point for discussing the differing values, problems, and assertions of the Latin American culture in contrast with the more dominant American culture.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring. Cross-Listed as: ENGL 34400.

SPA 36000 - Spanish Internship I (3)

Spanish Internship I provides students with practical opportunities to use their Spanish skills in the work world. Students will be exposed to a range of professional opportunities in which to practice Spanish.

Prerequisite: SPA 20200 with a C or better. Offered: Fall/Spring/Summer.

SPA 38000-38099 - Special Topics in Spanish (3)

This course is designed for individualized study of specific topics within the field of Spanish language, culture, and

literature. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic.

SPA 38100-38199 - Special Topics in Spanish (3)

GE-Human Culture: Foreign Language/Human

Diversity This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic.

SPA 38200-38299 - Special Topics in Spanish (3)

GE-Human Culture: Foreign Culture/Human

Diversity This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. May be repeated for additional credit if taken under a different topic. Prerequisites vary by topic.

SPA 41000 - Hispanic Cultures II (3)

GE-Human Culture: Foreign Culture/Human Diversity

This course is an in-depth study of historical, cultural, and folkloric sources of the life and customs of the Spanish and Latin American peoples with emphasis on the social, economic, and intellectual life of Spain and Latin America today. May be repeated for a maximum of 9 credit hours. Taught in Spanish.

Prerequisite: SPA 31000 with a C or better. Offered: Fall/Spring.

SPA 42500 - Hispanic Texts II (3)

GE-Human Culture: Literature/Human Diversity

Through in-depth reading and analysis of key literary works from Spain and Latin America, this course examines literary genres and their representative authors, their major works, and influence. The content of the course varies and will present, in a four-year rotation, different themes and periods of Spanish and Spanish-American literatures. May be repeated for a maximum of 9 credit hours. Taught in Spanish.

Prerequisite: SPA 32500 with a C or better. Offered: Fall/Spring.

SPA 46000 - Spanish Internship II (3)

Spanish Internship II provides students with practical opportunities to master their Spanish skills in the work world. Students will be exposed to a range of professional opportunities to practice Spanish, enabling them to critically analyze their experience.

Prerequisite: SPA 36000 with a C or better. Offered: Fall/Spring/Summer.

SPMGT - Sport Management

SPMGT 27020 - Sport Business Orientation (3)

This course introduces students to the sport management profession and the broad scope of careers currently available in the sport industry. The goal of this course is to provide students with an overview of the sport industry and its relationship to other disciplines. The course will examine the skills necessary to be a successful sport manager and will provide students with knowledge of the various entities involved in sport. Lab fee may be required.

Offered: Fall/Spring.

SPMGT 27030 - Sport Management Experience I: Introduction to Working in Intercollegiate Athletics (1)

This one (1) credit course is offered in partnership with Lindenwood University Athletics. Designed to connect sport management theory to practice, the purpose of the course is to provide students with an introductory understanding of the inner workings of the business of college athletics through class lecture and experiential opportunities within Lindenwood's Athletics Department. The course will examine career opportunities within college athletics and provide students with a comprehension of the role, purpose, and operation of the various functional areas of an athletics department. Students will have the opportunity to concurrently apply the knowledge gained through experiential work opportunities with the athletics department during the duration of the course. Students will be expected to attend classes as well as schedule availability for experiential learning opportunities throughout the semester.

Prerequisite: SPMGT 27020. Offered: Fall/Spring.

SPMGT 27040 - Sport Management Experience II: Intercollegiate Athletics in Practice (2)

This two (2) credit hour course, offered in partnership with Lindenwood University Athletics, is designed to build upon SPMGT 27030 – Sport Management Experience 1. Students will continue to connect sport management theory to practice through class lecture and experiential learning opportunities within Lindenwood's Athletic Department. However in this course, in addition to the experiential learning opportunities that come from working various athletic events, students will learn and be tasked with creating documents and developing content contributing to and positively impacting the various functional area business objectives of the department. These tasks might include creating game day scripts, the writing of press releases, conducting a facility audit or risk assessment, being responsible for managing a promotional event during a game, setting up the equipment or technology for an event, or assisting with the logistical planning for team travel or other operations. Students will be expected to attend classes as well as schedule availability for experiential learning opportunities throughout the semester.

Prerequisite: SPMGT 27020; SPMGT 27030. Offered: Fall/Spring.

SPMGT 31200-31299 - Directed Studies in Sport Management (3)

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

SPMGT 37020 - Strategic Management of Sports Facilities (3)

This course is designed to develop student understanding of the competencies necessary to manage and operate sport, recreation, and public assembly facilities. Additionally, the conceptual and technical aspects related to the planning and design of recreation and athletic facilities will be addressed.

Prerequisite: ENGL 17000 with a C or better. Offered: Summer.

SPMGT 37030 - Ethical Dilemmas in the Sport Settings (3)

This course explores the unique sport management topic of sport ethics. The goal of this course is for students to have a better understanding of the practical application of ethical leadership for aspiring sport management professionals. Topics will include the ethical values and principles essential for decision-making, the process for making morally reasoned decisions, the conflict between sportsmanship and gamesmanship, violence in sports, equity issues in sports, competitive advantages in sports, youth sport issues, and commercialized sports in schools and colleges. Students will be challenged to apply moral reasoning to realistic ethical dilemmas as they learn the importance of ethical leadership in the future of sports. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; SPMGT 27020. Offered: Spring.

SPMGT 37040 - Sport Marketing and Promotion (3)

This course examines the unique process of applying marketing principles to the sport industry. The purpose of this course is to survey the functions of sport marketing. Students will learn about integrated marketing strategies within the sport industry and will gain a better understanding of sport consumers, the needs and desires of sport consumers, and the marketing mix as it applies to sport. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; MRKT 35010; SPMGT 27020. Offered: Fall/Spring.

SPMGT 37050 - Sport Event & Entertainment Management (3)

This course focuses on the planning, management, and execution of successful events, such as sporting events, artistic performances, corporate conferences, and community and charitable events. Topics addressed include organizational structure, legal issues, risk analysis, budget preparation, negotiations, vendor relations, product and service development, staff management and development, and post-event analysis. Out of class field experience and training will be scheduled as appropriate. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; MRKT 35010; junior standing. Offered: Fall/Spring.

SPMGT 37060 - Sport Law (3)

This course explores the study of the law as it pertains to sport and physical activity. SPMGT 37060 is an advanced course that is designed to provide students with an overview of legal issues that arise in all areas of sport, recreation, and physical activity. The course will examine torts, Constitutional law, contracts, collective bargaining agreements, agency, and social responsibility in both amateur and professional sport. Lab fee may be required.

Prerequisite: ENGL 17000 with a C or better; junior standing. Offered: Fall/Spring.

SPMGT 37070 - Sport Sales & Sales Management (3)

This course is designed to provide students with an introductory understanding of the various sales and sales management aspects of the sports and entertainment industry. The course provides students with the background knowledge and firsthand experience related to ticket and sponsorship sales, as well as box office management that will prepare them for possible career opportunities with professional teams, collegiate organizations, or opportunities available in the performing arts industry. Students will also understand the application of sales management and introductory financing specific to the sports and entertainment industry. Lab fee may be required.

Prerequisite: ENGL 17000, MRKT 35010, and SPMGT 27020 with a C or better. Offered: Fall/Spring.

SPMGT 37080 - Sport Economics and Finance (3)

This course examines the principles involving the procurement, allocation, and control of funds used to support sport programs. It also will provide an overview of the issues at all levels of Sport using basic economic principles. Emphasis will be placed on Professional Sports, but the course will address amateur sports including college sports. Lab fee may be required.

Prerequisite: ECON 23020 or ECON 23030; FIN 32000.

SPMGT 37093 - Social Issues in Sport Business (3)

This class will focus on the social and cultural aspects of the business of sport management. Topics will include the

effects that race/ethnicity, social class, gender, ability and disability, and politics have on the business of sport.

Prerequisite: SPMGT 37060.

SPMGT 39000-39999 - Special Topics in Sport Management (1-3)**SPMGT 41200-41299 - Directed Studies in Sport Management (3)**

An independent structured learning experience will be developed to ensure students' knowledge and competencies are achieved in selected topics. Areas of specific need will be pursued to supplement normal classroom instruction.

Prerequisite: ENGL 17000 with a C or better; permission of the dean of the Plaster College of Business and Entrepreneurship.

SPMGT 47080 - Sport Management Policy (3)

This course is an advanced, capstone course that is designed to provide sport management students with a detailed understanding of the sport industry, sport organizations, careers in sport and the decision making principles involved in sport. The course emphasizes the research and communication skills necessary to be a successful manager in the sport industry, and provides students with the ability to evaluate business strategies in the sport industry and understand the business of sport in a global marketplace. Students will also understand the application of marketing and financing specific to the sport industry and discuss ethical decision making in the world and business of sport. Lab fee may be required.

Prerequisite: ENGL 17000 and SPMGT 27020 with a C or better; senior standing. Offered: Fall/Spring.

SPMGT 47095 - Sport Management Internship (3)

This course is a class designed to provide sport management students with the practical experience necessary to begin a career in the sport industry. Students will utilize résumé building, communication and networking skills to pursue an internship at an approved site within the sport industry. Students will work 150 hours over the course of the internship, and will practically apply the planning, organizing, marketing, selling, budgeting and human resource skills that they have learned in the classroom. Students will practice their communication skills through their interactions with individuals (supervisors, customers, clients, etc.) throughout their internship, and through a comprehensive written overview of the experience at the conclusion of the internship.

Prerequisite: ENGL 17000 with a C or better; junior or senior standing; sport management major, permission of the dean. Offered: Fall/Spring.

SPMGT 49000-49999 - Special Topics in Sport Management (1-3)

SW - Social Work

SW 11000 - Introduction to Social Work (3)

This course is an introduction to the field of social work as a helping profession at the micro (individual), mezzo (groups and family), and macro (organization, community) levels. The role of the generalist social worker in a variety of service settings with a focus on at-risk populations is presented. An overview of social work history, theories, values, ethics, and skills necessary for the best practices of social work services is presented.

Offered: Fall/Spring.

SW 11500 - Social Service Agency Observation (1)

Students are assigned to social service agencies to observe social work practitioners and learn the structure of agencies. The benefit to students will be to ensure appropriate career choice and to get oriented to the relationship between theory and practice in social work education.

Prerequisite: SW 11000. Offered: Fall/Spring.

SW 20000 - Intercultural Communication (3)

GE-Communication/Human Diversity This course is designed to teach participants various interpersonal skills with a direct focus on intercultural communication. Diversity related topics include developing self-awareness in areas such as verbal and nonverbal interactions, awareness of others, communicating in a variety of cultural contexts, emotions, relationships, and the importance of time and space. Communication topics include the process of communication, listening, putting ideas into words, communicating in social encounters and career situations, communicating in small groups, researching ideas, understanding listeners, speech preparation, and presentation as well as argumentation and debate.

Offered: Fall/Spring.

SW 24000 - Human Diversity and Social Justice (3)

GE-Social Science/Human Diversity This course is an introduction to human diversity covering the areas of age, class, color, disability, ethnicity, family structure, gender, marital status, national origin, race, religion, sex, and sexual orientation. Concepts of social justice, covering the areas of distributive justice, human and civil rights, and the global interconnections of oppression are introduced. Common historical, personal, and societal strategies to combat discrimination, oppression, economic deprivation, and the promotion of social and economic justice within the United States are considered.

Offered: Fall/Spring.

SW 30000 - Child Welfare (3)

This course provides an overview of the child welfare system in the United States from a generalist perspective. The history of the development of the continuum of child welfare services will be examined. Information on child

abuse and neglect, foster care and adoption will be provided. The course will also review the social and organizational systems that are responsible for the delivery of child welfare services, and ways that social workers can influence these systems. Emphasis will be placed on increasing sensitivity to racial and cultural factors that affect the provision of child welfare services to various populations and their implications for social work practice.

Prerequisite: Junior standing. Offered: Fall.

SW 32000 - Social Welfare Policy and Services I (3)

Course content includes the history of social welfare and social work, the history and current structures of social welfare services, the role of policy in service delivery, and attainment of individual and social wellbeing. Course content provides students with knowledge and skills to understand major policies that form the foundation of social welfare as well as introductory analysis of organizational, state, national, and international issues in social welfare policy and social service delivery.

Prerequisite: ENGL 17000 with a C or better; SW 11000. Offered: Spring.

SW 32100 - Social Welfare Policy and Services II (3)

Course content includes advanced analysis of organizational, local, state, national, and international issues in social welfare policy, as well as social service delivery and application of the results of policy research relevant to those issues. Policy practice skills will be introduced with regard to economic, political, and organizational systems as they are used to influence, formulate, and advocate for policy consistent with various value sets. Financial, organizational, administrative, and planning processes required for effective delivery of social services within various policy frameworks will be presented.

Corequisite: SW 32000. Offered: Spring.

SW 33000 - Death, Grief, and Loss (3)

This course will focus on individual and societal attitudes regarding death and dying, life and living. Students will be able to look at material from cross-cultural perspectives. Task based contemporary approaches for individuals, families and helping professionals will be addressed as well as developmental issues across the lifespan. This course goes beyond theory, utilizing hands on activities and tasks to help the student understand and feel more comfortable with helping others. This course is taught from a social work perspective.

Prerequisite: Junior standing. Offered: Fall.

SW 33100 - Aging Nation (3)

This is an overview course that introduces key concepts and practices in the evaluation and care of older adults. It is intended for students considering aging-focused careers in social service or healthcare fields. Throughout the course, factors that impact aging will be examined including the

biological, physical, cognitive, psychological, social, and cultural aspects of later adulthood as well as some relevant theories. Then attention will be given to the roles and tasks of gerontological practitioners in the delivery of aging services.

Prerequisite: Junior standing. Offered: Spring.

SW 37000 - Human Behavior in the Social Environment I (3)

This course includes content on the reciprocal relationships between human behavior and social environments. Also considered are empirically based theories and knowledge that focus on the interactions between and among individuals, groups, societies, and economic systems; the range of social systems in which people live, individual, family, group, organizational, and community; and the ways social systems promote or deter people in maintaining or achieving health and well-being.

Prerequisite: PSY 10000; SOC 10200; SW 11000. Offered: Spring.

SW 37100 - Human Behavior in the Social Environment II (3)

This course examines theories and knowledge of human bio-psycho-social-cultural-physical-spiritual development including the range of social systems in which individuals live (families, groups, organizations and communities) across the life span. Students address how systems promote or deter people from maintaining or achieving optimal health and well-being. Human development will be viewed as a complex interaction between individuals and systems.

Corequisite: SW 37000. Offered: Spring.

SW 39000-39999 - Special Topics in Social Work (1-3)

Specialized topics in social work will be the focus of these courses. Topics will change to reflect trends in social work practice and the needs of social work students. Relevant topics may include, but are not limited to: readings and research in social work, cross-cultural practice, grief and loss, services to the elderly, etc. May be repeated for additional credit if taken under a different topic. Lab fee may be required.

Prerequisite: Junior standing.

SW 40500 - Service Learning (3)

Effective and responsible social work practice requires that students understand and develop a capacity to manage their own behavior, adapt themselves to the social work agency, and be prepared to serve the agency and its clientele. This course will be organized around the central themes of professionalism, organizational behavior, and social work service. Students will be placed in supervised social service agencies to complete a minimum of 100 hours of service as defined by the site-based social work supervisor.

Prerequisite: SW 11000; SW 11500. Offered: Fall.

SW 41000 - Social Work Practice I (4)

This course examines the basic theory, knowledge and skills required to develop micro- (individual) professional relationships in generalist social work practice. Students will develop skills in defining issues, assessment, interviewing, crisis intervention, referral linkages, communication, and documentation. Initiation and termination of helping relationships with diverse at risk populations will be explored. Course will include a lab component.

Prerequisite: SW 11000; SW 11500; SW 37000; SW 37100. Offered: Fall.

SW 41100 - Social Work Practice II (4)

This course examines the basic theory, knowledge, and skills required to develop mezzo- (group, family) level generalist social work practice. Skill building for effective interventions with families and groups of varying racial, ethnic and other cultural groups in society, identifying values, and lifestyles that require divergent social work approaches and responses, and enhancement of professional identity as a facilitator of change for helping more than one client at a time will be addressed. Course will include a lab component.

Corequisite: SW 41000. Offered: Fall.

SW 41200 - Social Work Practice III (4)

This course will examine the basic theory, knowledge and skills required to develop macro-(organization, community, society) level social work practice. Systematic use of the generalist perspective to evaluate and strengthen social programs and structures, identify issues of social stratification, assess community needs and resources, facilitate capacity building, promote self-advocacy and develop methods for overcoming resistance to change will be addressed. Course will include a lab component.

Prerequisite: SW 41100. Offered: Spring.

SW 42500 - Social Work Research Methods I (2)

This course is an introduction to current research techniques offering the student an understanding and appreciation of scientific, analytic approaches to building knowledge for practice and to evaluating service delivery in all areas of practice. Ethical standards of scientific inquiry, methodological approaches, and the analysis of data are presented. Students participate in designing and conducting research. Course includes a lab component.

Prerequisite: SW 11000. Offered: Fall.

SW 42600 - Social Work Research Methods II (2)

This course builds upon previously acquired research knowledge related to conceptual and methodological approaches. It focuses on use of empirically based research methods to enhance social work practice as well as the development of a professional voice in writing. Students will develop a research proposal to examine an intervention in a practice area of interest to them. This

provides them with the opportunity to experience the way social work research studies are actually carried out.

Corequisite: SW 42500. Offered: Fall.

SW 45000 - Field Practicum and Seminar (9)

Students in supervised social work practice are provided opportunities to apply classroom learning in a field setting. Requires a minimum of 400 hours.

Prerequisite: SW 40500; SW 41100. Offered: Fall/Spring.

TA - Theatre

TA 10001 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus.

Offered: Fall.

TA 10002 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus.

Offered: Spring.

TA 10011 - Production I (3)

Theatre majors are required to enroll in a production course every fall and spring semester throughout their program of study, excluding the semester of internship, should they choose to complete an external internship. Students are required to participate in assigned academic productions, audition for all academic productions (performance emphasis only), attend monthly company meetings, and attend at least one performance of all academic theatre productions (mainstage and black box). May be repeated for a maximum of 6 credit hours.

Offered: Fall/Spring.

TA 10100 - Acting I (3)

This course is designed to teach basic skills to the beginning actor, the course explores the techniques of concentration, relaxation, nonverbal communication, and improvisation. This course is designed for theatre majors.

Offered: Fall.

TA 10500 - Fundamentals of Acting (3)

GE-Human Culture: Arts This course is designed for non-majors and will focus on empathizing with a character in a variety of dramatic contexts and is particularly suited for students who plan careers where role-playing is necessary and essential. Role-playing and characterization

skills will be developed through a variety of acting games, improvisation scenarios, and in-depth character studies.

Offered: Fall/Spring.

TA 11700 - Introduction to the Theatrical Arts (3)

GE-Human Culture: Arts This course is an examination of the origins, forms, and styles of drama, dance, and musical theatre and their esthetic values. Students examine the relationships of the collaborative artists in their contributions to these arts in theatrical performance. Laboratory work will include attending actual performances of the various forms. Course fee may be required.

Offered: Fall/Spring.

TA 20001 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 1000X.

Prerequisite: TA 10001. Offered: Fall.

TA 20002 - Rehearsal and Production (0-1)

All theatre majors are required to enroll Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 1000X.

Prerequisite: TA 10002. Offered: Spring.

TA 20011 - Production II (3)

Theatre majors are required to enroll in a production course every fall and spring semester throughout their program of study, excluding the semester of internship, should they choose to complete an external internship. Students are required to participate in assigned academic productions, audition for all academic productions (performance emphasis only), attend monthly company meetings, and attend at least one performance of all academic theatre productions (mainstage and black box). May be repeated for a maximum of 6 credit hours.

Prerequisite: TA 10011. Offered: Fall/Spring.

TA 20100 - Acting II (3)

This course is designed to be a scene-study class; the course explores the techniques for character analysis as described by Stanislavski. Students perform selected scenes from plays especially chosen to give them the necessary skills for building a character and creating a role for the stage.

Prerequisite: TA 10100 or TA 10500. Offered: Spring.

TA 21000 - Stage Management (3)

This course explores the principles of stage management. The course will include learning the processes and procedures of stage management by creating a mock production for a show from auditions to closing. The student will also produce a practical prompt book.

Offered: Fall/Spring.

TA 21300 - Stagecraft (3)

This course explores the process, principles, and techniques used in scenic construction. Coursework consists of both lecture and practical application of techniques on various projects throughout the semester. Lab hours are required.

Offered: Spring.

TA 21400 - Fundamentals of Drafting (3)

In this course, you will explore the fundamentals of drafting and technical drawing, using standardized architectural methods to read and design 2-D drawings. It will develop your hand-drafting skills through the use of orthographic projection, scaled elevations, plans, sections, and details.

Offered: Spring.

TA 21600 - Stage Make-up (3)

This course develops techniques in the design and application of stage make-up. Studio fee required.

Offered: Fall/Spring.

TA 22000 - Costume Construction (3)

This course will provide the student with the skills and techniques used in costume construction and prepare him/her for work in a costume shop, including the job of a costumer, equipment, stitching, patterning, and textiles.

Offered: Spring.

TA 22400 - Creating Theatre (3)

In this course, you will explore the artistic process of design and production for theatrical environments through creative collaboration in small group workshops. You will actively develop your skills in script analysis, research, design, character, storytelling and presentation.

Offered: Fall/Spring/Summer.

TA 22500 - Voice and Movement for the Actor (3)

In this course, you will examine the actor's voice and body as psychologically and physically responsive instruments. You will practice exploration and integration of breath, body, and mind using The Viewpoints, yoga, and improvisation to relax and engage freely.

Offered: Fall/Spring/Summer.

TA 30001 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student

teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 2000X.

Prerequisite: TA 20001. Offered: Fall.

TA 30002 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 2000X.

Prerequisite: TA 20002. Offered: Spring.

TA 30011 - Production III (3)

Theatre majors are required to enroll in a production course every fall and spring semester throughout their program of study, excluding the semester of internship, should they choose to complete an external internship. Students are required to participate in assigned academic productions, audition for all academic productions (performance emphasis only), attend monthly company meetings, and attend at least one performance of all academic theatre productions (mainstage and black box). May be repeated for a maximum of 6 credit hours.

Prerequisite: TA 20011. Offered: Fall/Spring.

TA 30100-30199 - Acting Studio (3)

This class is designed to be an advanced scene study class for the study of such topics as: auditioning, improvisation, dialects, and musical theatre. Semester study will be devoted to a particular subject area and related activities. May be repeated for credit.

Prerequisite: TA 20100. Offered: Fall/Spring.

TA 30101 - Acting Studio: Children's Theatre (3)

This class is a practical study of plays written for children and young adult audiences. Emphasis will be placed on characterization and working with interactive audiences.

Prerequisite: TA 20100.

TA 30102 - Acting Studio: Audition (3)

This course is designed to teach actors how to audition, including the techniques of improvisation, monologues, cold reads, interviews, and on-camera auditions. Student will learn to interpret the requirements of a casting notice, how to prepare a resume, the process of auditioning, and how to present themselves in an audition setting. May be repeated for credit.

Prerequisite: TA 20100.

TA 30103 - Acting Studio: Scene Study (3)

This course is designed to further develop actors' performance skills. Students will work together on scenes from contemporary plays in a variety of styles. Emphasis is

placed on appropriate inner life while pursuing an objective in the moment with a scene partner.

Prerequisite: TA 20100.

TA 30104 - Acting Studio: Comic Acting (3)

This course is designed to develop skills at creating comedic characters and performing comic scenes. Through classwork on monologues and scenes, and viewing and analyzing comic productions, students will learn the importance of voice, diction, projection, timing and physicality in performing comedies. They will also improve their understanding and practice of comic timing, both physical and vocal.

Prerequisite: TA 20100.

TA 30105 - Acting Studio: Improvisation (3)

This course is a practical performance studio designed to teach actors the rules and uses of improvisation. This course explores the techniques of pantomime, improvisation (short and long form), and team building. Student will gain experience in how improvisation is used in auditions and film.

Prerequisite: TA 20100.

TA 30106 - Acting Studio: Period Styles (3)

This course is designed to teach actors how to understand and perform period plays. As a practical performance studio, students will become familiar with plays of various early periods (Greek, Restoration, Victorian, etc.) and become familiar with the vocal, physical, and textual demands of creating characters and performing period plays.

Prerequisite: TA 20100.

TA 30107 - Acting Studio: On-Camera (3)

This course is designed to teach actors how to work on camera. This course explores the techniques of slates, commercials, television, and film. Students will learn to audition for, perform, and analyze sides from a variety of television and film formats.

Prerequisite: TA 20100.

TA 30301 - Acting the Song I (3)

An advanced course combining acting and singing. Preparation and performance of solos, duets, and audition material utilizing text and music analysis and the creation of appropriate inner life. Course fee may be required.

Prerequisite: TA 20100 and two credit hours of private voice or class voice. Offered: Fall.

TA 30302 - Acting the Song II (3)

This course in an extension of TA 30301. Requires advanced vocal and acting repertoire. Course fee may be required.

Prerequisite: TA 30301. Offered: Fall.

TA 30303 - History of the American Musical (3)

GE-Human Culture: Arts An examination of the origin and evolution of musical theatre through political, economic, social, and cultural movements in our country.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

TA 30400 - Script Analysis (3)

This basic course in theatrical theory presents the analytical and research processes necessary to the consideration of any play prior to production. The approach is necessary for those working in any of the artistic roles in the theatre.

Prerequisite: ENGL 17000 with a C or better; TA 10100. Offered: Fall.

TA 30600 - Principles of Directing (3)

This course consists of fundamental theory and practice for the stage director.

Prerequisite: TA 33600.

TA 31400 - Stage Management II (3)

This course will explore deeper into the principles and processes of stage management and assistant stage management. It will examine Equity (AEA) rules and regulations for a professional stage manager and the roles of an SM or ASM in theatrical production, dance, touring, opera, and other performance arts. Students will be required to SM or ASM a full-length show or a dance concert. This course is only open to BFA students pursuing a stage management emphasis. Course fee may be required.

Prerequisite: TA 21000.

TA 32001 - Design Studio I (3)

This course offers instruction in the areas of scene and costume design. This course will explore the use of design theory to visually define the characters and environments of a play. Students will further their ability to analyze a script and learn to develop a concept and related visual style. They will identify and engage in appropriate research for a variety of designs. Students will also learn to articulate and support their design choices during class presentations.

Prerequisite: TA 21400; TA 21500. Corequisite: TA 32003.

TA 32002 - Design Studio II (3)

This course explores the skills, techniques, and aesthetics of lighting and audio design for theatre, dance, and musical productions. Students will learn how to support collaborative production through script analysis, visual research, conceptualization, creating plans and paperwork, communicating ideas, and documenting/discussing design choices. CAD and other software will be utilized.

Advanced study will include approaches for concerts and other live events.

Prerequisite: AAD 10600. Corequisite: TA 32004.

TA 32003 - Design Studio III (3)

This course is an advanced exploration of the scenic and costume design techniques developed in Design Studio I. The student will increase their proficiency at script analysis, development of appropriate concepts and applicable visual styles. They will also improve their ability to collect pertinent research. During the in class presentations of their work, the student will articulate and support their choices. The ability to visually communicate the designs to others is essential, therefore attention will be paid to drawing and rendering skills.

Prerequisite: TA 32001. Corequisite: TA 32001.

TA 32004 - Design Studio IV (3)

This course advances the lighting and audio skills, techniques, and aesthetics explored in Design Studio II through the exploration of design for concerts and other live events.

Prerequisite: TA 32002. Corequisite: TA 32002.

TA 32011 - Environmental Design Studio (2)

This course is an advanced exploration of the art of storytelling through environmental design. Students will increase their proficiency at visually defining environments, developing a concept, and demonstrating the means of communicating those ideas to a group. May be repeated for a maximum of 4 credit hours.

Prerequisite: AAD 10600; TA 21400.

TA 32021 - Character Design Studio (2)

This course is an advanced exploration of the art of storytelling through character development. Students will increase their proficiency at character analysis using playscripts as well as gaming character concepts, fashion customer profiles, dance, theatre, and film costume design. Emphasis will be placed on appropriate research based on script and story analysis, development of appropriate concepts and applicable visual styles. May be repeated for a maximum of 4 credit hours.

Prerequisite: AAD 10600.

TA 32200 - Acting Studio II (2)

This class is designed to advance the skills of actors by building upon physical and vocal techniques while integrating and experimenting with new techniques in such topics as: Period Styles, Shakespeare, Stage Combat, On-Camera. Students will explore techniques by Uta Hagan, Samford Meisner, Stanislavski, Declan Donnellan, Anne Bogart, Tadashi Suzuki, and Michael Chekhov. Each semester study will be devoted to a particular subject area and related activities. May be repeated for a maximum of 4 credit hours.

Prerequisite: TA 20100 with a C or better.

TA 32300 - Acting Studio III (2)

This class is designed to advance the skills of actors by building upon physical and vocal techniques while integrating and experimenting with new techniques in such topics as: Period Styles, Shakespeare, Stage Combat, On-Camera. Students will explore techniques by Uta Hagan, Samford Meisner, Stanislavski, Declan Donnellan, Anne Bogart, Tadashi Suzuki, and Michael Chekhov. Each semester study will be devoted to a particular subject area and related activities. May be repeated for a maximum of 4 credit hours.

Prerequisite: TA 32200.

TA 33500 - Modern Drama (3)

GE-Human Culture: Literature/Human Diversity This course is a study of modern and contemporary drama from Ibsen to the present, including realistic, naturalistic, symbolistic, poetic, expressionist, existentialist, absurdist, "epic." and experimental plays. The background and culture of the playwright and the ways in which both influence their writing, as well as the style of the writing, will be included in the study of each play. Special attention is paid to the evolution of theatrical style and form, and the ways in which we see it modeled in popular film, theatre, television, and animation. This course is not open to students with credit in ENGL 33500.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

TA 33600 - Survey of Dramatic Literature (3)

GE-Human Culture: Literature/Human Diversity This course examines dramatic literature from all major periods of the Western world from ancient Greece to the present, providing an opportunity to understand the culture, history, and people that gave rise to it. Emphasis is placed on the analytical and research processes necessary to the consideration of any play prior to production. The class also bridges the gap that exists between the culture and time period of each play and the way in which each is presently interpreted and received. Students will contrast and relate the plays read in class to various aspects of modern culture and society.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

TA 35100 - Direction of Plays (3)

This course further investigates the directing process culminating in the direction of a public performance. May be repeated for a maximum of 6 credit hours. Studio fee may be required.

Prerequisite: TA 30600. Offered: Fall.

TA 35200 - Stage Management Seminar (0-1)

This seminar course is designed to provide students the opportunity to share experiential learning outcomes and, as a group, critically consider any problems that arise in their production work. Each student will be expected to lead two

of the classes in a project-based lesson that reinforces the power skills discussed in the class. May be repeated for a maximum of 8 credit hours.

Prerequisite: TA 21000.

TA 37000 - History of Theatre (3)

GE-Human Culture: Arts/Human Diversity This course is the study of drama in form and production, as well as its basis in historical and contemporary culture.

Prerequisite: ENGL 17000 with a C or better.

TA 37100 - History of Theatre I (3)

GE-Human Culture: Arts/Human Diversity This course presents an in depth exploration the development of drama in form and production from pre-history to the 1700s. Significant chronological contributions to contemporary theatre are analyzed from the standpoint of subject matter, architecture, technology and acting styles.

Prerequisite: ENGL 17000 with a C or better. Offered: Fall.

TA 37200 - History of Theatre II (3)

GE-Human Culture: Arts/Human Diversity This course presents an in depth exploration the development of drama in form and production from the 1700s to the present. Significant chronological contributions to contemporary theatre are analyzed, from the standpoint of subject matter, architecture, technology, and acting styles.

Prerequisite: ENGL 17000 with a C or better. Offered: Spring.

TA 38600-38699 - Special Topics (3)

GE-Human Culture: Arts Special topics in theatre. May be repeated for additional credit if taken under a different topic. Course fee may be required.

Prerequisite: Permission of dean.

TA 38700-38799 - Special Topics (3)

GE-Human Culture: Arts/Human Diversity Special topics in theatre. May be repeated for additional credit if taken under a different topic. Course fee may be required.

Prerequisite: Permission of dean.

TA 38800-38899 - Special Topics (1-3)

Special topics in theatre. May be repeated for additional credit if taken under a different topic. Course fee may be required.

Prerequisite: Permission of dean.

TA 40001 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 3000X.

Prerequisite: TA 30001. Offered: Fall.

TA 40002 - Rehearsal and Production (0-1)

All theatre majors are required to enroll in Rehearsal and Production every fall and spring semester throughout their program of study, excluding any semester of student teaching or internship. Students will actively participate in department productions through various assignments and meetings as indicated in the course syllabus. Requires more production responsibility than TA 3000X.

Prerequisite: TA 30002. Offered: Spring.

TA 40011 - Production IV (3)

Theatre majors are required to enroll in a production course every fall and spring semester throughout their program of study, excluding the semester of internship, should they choose to complete an external internship. Students are required to participate in assigned academic productions, audition for all academic productions (performance emphasis only), attend monthly company meetings, and attend at least one performance of all academic theatre productions (mainstage and black box). May be repeated for a maximum of 6 credit hours.

Prerequisite: TA 30011. Offered: Fall/Spring.

TA 40100-40199 - Advanced Acting Studio (3)

This course is an advanced acting class for scene work and acting styles. Topics will include Shakespeare, comedy, Neoclassic, Restoration, and various other styles. May be repeated for credit.

Prerequisite: TA 20100. Offered: Fall/Spring.

TA 40101 - Advanced Acting Studio: Stage Combat (3)

This course is designed to teach actors the rules and uses of stage combat. This is an in class physical performance class. This course explores the techniques of hand to hand, weapons, falls, and choreography.

Prerequisite: TA 10100; BFA theatre program of study.

TA 40102 - Advanced Acting Studio: Dialects (3)

This course is designed to be an advanced scene study class for the study of dialects. Students will learn International Phonetic Alphabet (IPA) as a means of transcribing different accents, and will improve their ability to perform in Standard British, Cockney, New York and American Southern accents.

Prerequisite: TA 20100; BFA theatre program of study.

TA 40103 - Advanced Acting Studio: Meisner (3)

This course is designed to teach the method of Sanford Meisner is his methods of acting and direction. This course is an in-class performance studio. The course will use the exercises and training of Meisner using scripts from a variety of contemporary theatre.

Prerequisite: TA 20100; BFA theatre program of study.

TA 40104 - Advanced Acting Studio: On-Camera II (3)

This course is an extension of the Acting Studio: On-Camera course. Advanced techniques will be explored in addition to collaboration with student directors from the Digital Cinema Arts program on their short films.

Prerequisite: TA 30107. Offered: Spring.

TA 40105 - Advanced Acting Studio: Shakespeare (3)

This course is designed to teach actors how to understand and perform Shakespeare's plays. This course is an in-class performance studio which will demystify Shakespeare's plays; students will use iambic pentameter, rhyme, and alternations of verse and prose to create dynamic performances.

Prerequisite: TA 20100; BFA theatre program of study.

TA 40600 - Advanced Directing (3)

This course offers advanced exercises in analysis and style leading to the production of a one act play. May be repeated for credit. Course fee may be required.

Prerequisite: TA 35100. Offered: Fall.

TA 41000 - Advanced Stage Management (3)

This course will explore deeper into the principles and processes of stage management and assistant stage management. It will examine Equity (AEA) rules and regulations for a professional stage manager and the roles of an SM or ASM in theatrical production, dance, touring, opera, and other performance arts. Students will be required to SM or ASM a full-length show, or a dance concert. May be repeated for a maximum of 9 credit hours.

Prerequisite: TA 21000. Offered: Fall.

TA 41100 - Advanced Theatre Technology (3)

This course is a focused examination and practical application of non-design related area of theatre technology. Students will focus on specific areas, including but not limited to, technical direction, scenic art, props, projections, and electrics through the completion of one or more assigned projects and weekly meeting with the instructor. Course fee may be required.

Prerequisite: TA 21300; TA 21400. Offered: Spring.

TA 41200 - Advanced Technology (1)

This course is a focused examination and practical application of technology as it relates to the entertainment industry. Students will focus on specific areas, including but not limited to, technical direction, environmental or character design technology, props, projections, electrics, audio, and/or digital painting techniques through the completion of one or more assigned projects and weekly meeting with the instructor. May be repeated for a maximum of 3 credit hours.

Prerequisite: TA 20011.

TA 42400 - Acting Studio IV (2)

This class is designed to advance the skills of actors by building upon physical and vocal techniques while integrating and experimenting with new techniques in such topics as: Period Styles, Shakespeare, Stage Combat, On-Camera. Students will explore techniques by Uta Hagan, Sanford Meisner, Stanislavski, Declan Donnellan, Anne Bogart, Tadashi Suzuki, and Michael Chekhov. Each semester study will be devoted to a particular subject area and related activities. May be repeated for a maximum of 4 credit hours.

Prerequisite: TA 32300.

TA 42401 - Performance Lab (1)

This course is designed to cover specific, specialized subjects related to acting performance. Each semester will be devoted to a particular subject area and related activities. Subjects offered are Dialects, Children's Theatre, Musical Theatre Audition Techniques, and Stage Makeup. May be repeated for a maximum of 4 credit hours.

Prerequisite: TA 20100.

TA 43000 - Theatre Workshop (1-6)

This advanced course of study which may include such topics as staged readings, new play development, advanced character analysis and application, production and design projects, alternative acting and directing methodologies, and voice and movement studies.

Prerequisite: Permission of dean.

TA 48000 - Career and Portfolio Seminar (3)

This practical course is designed to prepare students for successful entry into various theatre careers associated with theatre and/or admission to graduate school. Course fee may be required.

Prerequisite: Junior standing; theatre program of study.
Offered: Spring.

TA 48001 - Industry Standards (1)

This practical course is designed to prepare students for their successful entry into various careers associated with theatre. May be repeated for a maximum of 3 credit hours.

Prerequisite: ENGL 17000 with C or better; TA 10011.

TA 48900 - Senior Project (3)

All senior level BFA students must enroll in this course which is a culmination of their work at Lindenwood. The student project will be assigned by the faculty and will depend on production needs and the student's major. The student will be required to work a minimum of 125 hours for this project. Students will also participate in a panel review of final audition materials or job search materials (as appropriate to their area of emphasis) and receive faculty feedback on their progress throughout their course of study. Students will also share feedback with faculty on their time in the program. Course fee may be required.

Offered: Spring.

UNIV - Lindenwood University Orientation

UNIV 10000 - Academic Commitment to Excellence (1)

Through reflective and applied activities, students will develop skills and utilize tools required for successful academic performance. This course will help students explore resources to maneuver through university processes and encourage personal growth and professional development. Lab fee may be required.

UNIV 10100 - First-Year Seminar (1)

This course is a one-hour subject-area seminar and orientation course required of all first-time freshmen. Students will be introduced to special topics of their choice based on personal interest, declared major or academic interest while also orientating to the university environment. This special topics seminar course will provoke critical thinking, problem solving, and interaction. Course is required of all first-time freshmen or transfer students without an equivalent course previously completed from another college or university. May not be retaken for a higher grade. Lab fee required.

Offered: Fall/Spring.

UNIV 10101 - Honors First-Year Seminar (3)

This course is a one-hour subject-area seminar and orientation course required of all first-time freshmen. Students will be introduced to special topics of their choice based on personal interest, declared major or academic interest while also orientating to the university environment. This special topics seminar course will provoke critical thinking, problem solving, and interaction. Only students accepted into the Honors Academy are eligible. May not be retaken for a higher grade. Lab fee required.

Offered: Fall.

UNIV 10200 - Multicultural and International Student Engagement Cohort (0-1)

This course is a seminar that covers a range of topics, including effective communication, conflict resolution, leadership, and embracing diversity all through the lens of one of the Lindenwood Graduate Attributes chosen by the student. This course incorporates workshops, seminars, field trips, and guest lectures to foster a sense of belonging, promote cultural exchange, ensure the success, and personal growth among Lindenwood's multicultural and international student community.

UNIV 10300 - Lions Abroad (0-1)

This course is a preparatory study abroad course designed to equip students with a comprehensive understanding of

diverse cultures, customs, histories, and societal nuances before embarking on their international study experience. This immersive course aims to cultivate cultural competence and sensitivity, empowering students with the essential knowledge and skills to navigate and engage meaningfully in various global contexts. The course incorporates workshops, seminars, guest lectures, and eventually a study abroad trip to promote cultural exchange, ensure the success, and personal growth among Lindenwood's students.

UNIV 11000 - Academic Success Strategies (1)

This course will provide the direction and support that will enhance adult students' potential for success in their undergraduate online program. Topics will include, but are not limited to, navigating Canvas, balancing college and work, being an online learner, handling stress, academic honesty, managing one's time and energy, study skills, research skill, and learning strategies. Only students in undergraduate online degree programs are able to enroll in this course.

Offered: Fall/Spring.

UNIV 11200 - Life Design Strategies for Success (1)

The purpose of this course is to introduce online learners to Life Design and explore the many facets and resources of the online learning college experience. The aim is for students to gain insight, direction, and support that will enhance maneuverability in their undergraduate program. This course will connect students to web-based resources, bring awareness to individual needs, and encourage attention and connection to professional development through reflective and applied activities.

Offered: Fall/Spring.

UNIV 15000 - Portfolio for Prior Learning (1)

The purpose of this course is to assist in the development of an experiential learning portfolio for students who are seeking college level credit for experiential learning. The aim is to provide insight, direction, and support that will produce a portfolio with at least one experiential learning essay completed to be reviewed by a subject matter expert for college level learning equivalency.

UNIV 18201 - Flash Fiction: Sweating the Small Stuff (1)

Learn to use few words to tell great stories that linger far longer than the time it takes to read them. This course will examine examples of effective flash fiction in traditional and less obvious mediums. Students will create multiple flash fiction stories as well as participate in peer review workshops.

UNIV 18202 - Between the Panels: Graphic Novels & Comics (1)

Graphic Novels and Comics will explore the formation and evolution of comics and graphic novels. The course will explore the impact graphic novels have had across the various entertainment and educational avenues in society, including films, video games, board and / or card games, as well as the various education applications of graphic novels. Students will gain a better appreciation for graphic novels, as well as develop a greater understanding for how they can be used across various disciplines.

UNIV 18203 - Developing and Practicing Professional Presence (1)

This course provides the opportunity for students to learn and apply communication concepts that are crucial to career development and success. Employers need people who have self-awareness and can effectively speak, write, present ideas, connect with others, and receive feedback. Students in this course will improve these skills by learning to analyze and adapt to various communication contexts, develop their professional presence, and practice enacting it in several career-focused assignments. This course will require regular readings, short weekly assignments that may be completed in written, video-recorded, or conference call format (e.g., self-reflections, job analysis, personal brand statement) as well as longer assignments tailored to their career goals, like resume and cover letter writing. Assignments will require students to conduct themselves as if they are operating in a professional context; this is especially true of simulations, which will consist of a mock interview, a mock meeting that includes an idea pitch, and a mock performance evaluation (each accomplished via video conferencing or phone).

UNIV 18204 - Seeing the World Through Film (1)

Do you ever wish you could experience the bustling streets of London, see the bright colors of the markets in India or feel the sun in Sydney? Movies allow us to see the world from the comfort of our own chair. In this course, you'll have the chance to watch movies from around globe, reflect on different cultures around the world and pick out future trips you would like to go on. We will get a taste of places near and far without having to pay for a single flight.

UNIV 18205 - College to Career (1)

This course will provide instruction on key components relevant to career planning and development. The course will provide students with opportunities for reflective activities and exercises aimed at fostering growth in their respective career path. The concepts covered include personal and professional reflection, skills identification

and development, professional branding, composition of resumes and cover letters, interviewing skills, networking, and general career exploration.

UNIV 18206 - Practically Perfect Writing (1)

Learn strategies for revising, editing, and proofreading everyday writing.

UNIV 18207 - Getting Short Stories, Flash Fiction, and Poetry Published (1)

This course will teach students how to find literary journals and magazines to submit their creative pieces to. Website navigation, tools, and publishing terms will be discussed, along with what to expect when submitting work. Assignments include creating a list of possible publishers and submit to at least three places.

UNIV 20000 - Life and Leadership (3)

This course is designed to examine leadership and to show students how to effectively lead in a group setting while learning the necessary habits and attitudes that others look for in productive leaders. Leadership is ultimately about influence, and this course aims to teach students how to gain influence that both encourages and permits others to follow them.

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BS, MS Poznan University of Technology, Poznan, Poland; MS, PhD, New Mexico State University

Goodman, Brittany (2022)*Assistant Professor of Psychology*

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Gossett, Rachael (2013)*Associate Professor of Criminal Justice*

BA, MA, PhD, The Ohio State University

Grooms, Pamela (2007)*Associate Professor of Music*

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Gupta, Nikhil (2016)*Associate Professor of Mathematics*

BS, Princeton; PhD, Indiana University

Gustafson, Susan (2015)*Instructor of Kinesiology*

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AA, Meramec Community College; BFA, Southern Illinois University-Edwardsville; MFA, University of Cincinnati

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Hasty, Scott (2014)*Associate Professor of Chemistry*

BS, MS, PhD, University of Missouri-St. Louis

Hauck, John (2004)*Associate Professor of Physics*

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Heidenreich Jr., Don (2000)*Professor of History*

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Hendrix, Evelyn K. (2007)*Associate Professor of Human Resources*

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Herrell, Kate (2012)*Associate Provost of Academic Operation and Student Success and Associate Professor Educational Leadership*

BA, Truman State University; MBA, Maryville University; MA, EdD, Lindenwood University

Hollis, Stuart (2014)

Assistant Professor of Theatre

BFA, Shenandoah College; MFA, Southern Methodist University

Hoormann, Matthew (2014)

Associate Professor of Music

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Horn, Chel (2023)

Instructor of Paramedicine

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Hosto-Marti, Barbara J. (2013)

Associate Professor of Political Science and Department Head, History, International Relations, Public Administration, and Political Science

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Hutcheson, Jill (2013)

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Hutson James (2010)

Professor of Art History and Department Head, Art History

BA, University of Tulsa; MA, Southern Methodist University; PhD, University of Maryland

Ibele, Michael E. (2011)

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Jia, Darla (2010)

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Jones, Emily (2010)

Professor of Theatre

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Kabil, Oren (2022)

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Karraker, Holly (2007)

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Kerksick, Chad (2014)

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BS, Truman State University; MS, University of Memphis; PhD, Baylor University

King, Marilyn (2013)

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Kirk, Daniel (2023)

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Kristofferson, Brett (2019)

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Leavitt, Lynda (2009)

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Levin, Kristen (2019)

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Liberati, Ryan (2023)

Associate Professor of Counseling

BA, Augustana College; MA, Webster University; MA, Bradley University; PhD, Old Dominion University

Liston, Mark (2018)

Instructor of Paramedicine

BM, Lindenwood University

Lively, Jason Dude (2007)

Professor of Art and Design

BBA, Howard Payne University; MBA, Tarleton State University; EdS, PhD, Nova Southeastern University

Londono, Ana (2015)

Assistant Professor of Earth Sciences
BS, Universidad Nacional de Colombia; MS, PhD,
University of Cincinnati

Loughlin, John (2010)

Associate Professor of Finance
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Louis University

Mack, Jennifer (2010)

*Dean Plaster College of Business and Entrepreneurship
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BS, MEd, University of Central Oklahoma; PhD, Walden
University

Marhanka, Darren (2004)

Associate Professor of Criminal Justice
AAS, Florissant Valley Community College; BA, MBA,
MS, Lindenwood University

Marsh, Meredith (2009)

Professor of Geography
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Martin, Erin (2017)

*Professor of Mathematics and Department Head,
Mathematics, Computer Science, and Information
Technology*
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Marzano, Michael P. (2009)

Professor of Management and Department Head
BS, Southern Illinois University-Edwardsville; MBA,
Saint Louis University; MIM, Washington University in
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McMaken, W. Travis (2011)

*Professor of Religion and Associate Dean, College of Arts
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Seminary

Mead, Beth (2004)

Professor of Writing
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Melick, Elizabeth (2022)

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Meyer, Shelly (2010)

Professor of International Business
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Millians, Andrew (2014)

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Minor, Lacey (2021)

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University

Mueller, Carla (1998)

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Lindenwood University

Mumford, Petey (2019)

Assistant Professor of Exercise Science
BSBA, Kansas State University; MEd, Wichita State
University; PhD, Auburn University

Nair, Sharmini (2023)

Assistant Professor of Political Science
BA, University of London; MA, University of Malaya;
PhD, Colorado State University

Najjar, Annette Juliana (2001)

Professor of Economics
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Toronto; MBA, Millsaps College; PhD, Kennedy-Western
University

Nasser, Jr. Mitch (2016)

Associate Professor of Educational Leadership
BA, Saint Louis University; MS, Western Illinois
University; PhD, Saint Louis University

Neely, Joshua (2016)

Associate Professor of Biology
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PhD, Washington State University

Nicholson, Luke (2021)

Assistant Professor of Accounting
BS, Greenville College; MBA, McKendree University;
DBA, Walden University

Nohara-LeClair, Michiko (2002)

Senior Professor of Psychology
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PhD, University of Connecticut

Nolan, Michael (2023)

Instructor of Athletic Training
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University of Health Professions

Northcott, Donna (2007)

Associate Professor of Theatre
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Nunez-Betelu, Maite (2008)

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Olsen, Trenton (2020)

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Panagos, Rebecca Jean (1996)

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Parrish, Gillian (2017)

Associate Professor of Writing and Department Head, MFA and Writing
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Pas, Justine (2010)

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Patterson-Mills, Sarah (2010)

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Patzius, Billi J. (2007)

Senior Professor of Criminal Justice
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Assistant Professor of Behavior Analysis - BCBA
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Peluchette, Joy V. (2013)

Senior Professor of Management
BS, MS, West Virginia University; DBA, Southern Illinois University-Carbondale

Pennington, Heather (2010)

Assistant Professor of Physical Education
BS, Samford University; MA, University of Alabama

Plate, Daniel (2004)

Professor of English
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Porter, Renee (2007)

Professor of Management
BS, University of Southern Mississippi; MBA, Southern Illinois University-Edwardsville; PhD, Saint Louis University

Purnell, Susan (2023)

Assistant Professor of Counseling
BBA, Florida International University; MA, Webster University; PhD, Walden University

Qualls, Melissa (2002)

Associate Professor of English
BA, Northeast Missouri State University; MA, Truman State University; MFA, Lindenwood University

Rankins, Michael (2008)

Associate Professor of Counseling
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Ratican, Jeremiah (2014)

Assistant Professor of Game Design
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Richmond, Scott (2016)

Associate Professor of Exercise Science
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Rodermund, Rob (2009)

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Rodriguez, Robin (2014)

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Rowe, DeAnna (2022)

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Schmickle, Dennis (2018)

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Schneider, Karolina (2011)

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Schnellmann, Ana (1995)

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Scholle, Ben A. (2002)

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Schroeder, Cynthia A. (2010)

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Schulte, Janet (2017)

Instructor of Paramedicine
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Shoff, Catherine (2016)

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Silverglate, Mary (2023)

Instructor of Mathematics
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Singer, Robert A. (2009)

Professor of Accounting
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Smith, Andrew (2009)

Associate Professor of Communications
BA, MA, Webster University

Smith, Kris (2002)

Senior Professor of History
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Smith, Marcus (2020)

Assistant Professor of History

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Smith, Peter (2021)

Instructor of Nursing
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Springfield, Janita (2023)

Assistant Professor of Clinical Mental Health Counseling
BS, University of Arkansas Pine Bluff; MS, University of Arkansas Fayetteville; PhD, University of Mississippi

Stehn, Molly (2023)

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BM, University of Northern Iowa; MA, PhD, University of Cincinnati

Steiniger, Joseph (2014)

Associate Professor of Philosophy
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Stoelting, Suzanne (2015)

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Strzelec, Janet (1998)

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Stuhler, Eric (2006)

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Sunderland, Kyle

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Sweeney, Daniel (2014)

Associate Professor of Sport Management
BEd, McGill University; MHK, University of Windsor, Ontario Canada; PhD, Florida State University

Tessmer, Kate (2012)

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Thompson, Tonya (2019)

Assistant Professor of Library Media and Technology
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Tighe, Lauren (2021)

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BS, SUNY College at Brockport; DPT, Daemen College

Torbitzky, Nichole (2014)

Associate Professor of Religion
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Townsend, Maryann (1995)

Professor of Information Systems
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Trawick, Chajuana (2012)

Associate Professor of Fashion Design and Endowed Chair Administration
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Troy, John (2002)

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BFA, Washington University in St. Louis; MFA, Temple University

Tucciarone, Kristy (2014)

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Turner, Julie (2007)

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Ulrich, Kim K. (2003)

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Valenzuela, Mark (2021)

Associate Professor of Civil Engineering and Associate Provost of Engaged Learning
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Vandergraaf, Vanessa (2008)

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Vansell, Tara (2014)

Instructor of Geography
MA, Saint Louis University

Vest, Tanya (2021)

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Vogeler, Meridith (2023)

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Vosevich, Kathi (2019)

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Wall, Howard (2011)

Professor of Economics
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Walton, Dale (2012)

Professor of International Relations
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Weber, Abby (2008)

Senior Instructor of Sports Management
BA, MBA, Lindenwood University

Weber, Joseph (2014)

Assistant Professor of Art and Design, and Department Head, Art, Production, and Design
MA, MFA, University of Wisconsin-Milwaukee

Wehmer-Callahan, Laura (2011)

Senior Instructor of English and Assistant Dean, Faculty Development and Academic Support
BS, MA, Southern Illinois University-Edwardsville

Weir, Graham (2009)

Professor of Educational Leadership
BA, Principia College; MA, Truman State University; EdS, PhD, Saint Louis University

Welsh, Chad T. (2010)

Associate Professor of Biology
BS, MS, Middle Tennessee State University; PhD, University of Louisville

Whitacre, Michelle (2016)

Associate Professor of Curriculum and Instruction
BA, University of Notre Dame; MA, University of Notre Dame Australia, MAT, Webster University; EdD, University of Missouri-St. Louis

Willbrand, Kim (2017)

Instructor of Accounting

BS, University of Missouri-St. Louis; MBA, Lindenwood University

Winslow, Kevin D. (2011)

Professor of Curriculum and Instruction

BA, Biola University; MEd, PhD, George Mason University

Wintz, Nicholas J. (2011)

Associate Professor of Mathematics

BS, MA, Marshall University; PhD, Missouri University of Science & Technology

Wisdom, Sherrie (2009)

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BSE, Truman State University; MA, University of Missouri-St. Louis; MEd, University of Missouri-Columbia; EdS, Webster University; EdD, Lindenwood University

Witherspoon, Pernell (2005)

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Woltz, J. Megan (2015)

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Wood, Matthias (2017)

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Youngdahl, Shana (2021)

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Zweier, Tricia (2011)

Associate Professor of Dance

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