

2011/2012

Undergraduate Catalog

Lindenwood University • Saint Charles, Missouri
Established 1827



The Lindenwood Mission Statement

Lindenwood University offers values-centered programs leading to the development of the whole person – an educated, responsible citizen of a global community. Lindenwood is committed to

- providing an integrative liberal arts curriculum,
- offering professional and pre-professional degree programs,
- focusing on the talents, interests, and future of the student,
- supporting academic freedom and the unrestricted search for truth,
- affording cultural enrichment to the surrounding community,
- promoting ethical lifestyles,
- developing adaptive thinking and problem-solving skills,
- furthering lifelong learning.

Lindenwood is an independent, public-serving liberal arts university that has a historical relationship with the Presbyterian Church and is firmly rooted in Judeo-Christian values. These values include belief in an ordered, purposeful universe, the dignity of work, the worth and integrity of the individual, the obligations and privileges of citizenship, and the primacy of the truth.

Lindenwood's "Proficient Graduates" Guarantee

Success

Lindenwood University has an excellent placement rate for its graduates because it educates the whole person. A degree from Lindenwood means that the holder is adept at reading, writing, speaking, and problem-solving — all the traits by which society judges one's education level and general competence. That is why 96 percent of our MBA graduates are working in fields related to their degrees. Ninety-four percent of our alumni overall indicate they are working in fields related to their degrees.

We help our students acquire these traits through several means:

Liberating Arts Education

Our standard-setting General Education Program assures that every Lindenwood graduate has been steeped in 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.

Preparation for Life

We encourage each student to build a personal talent transcript. This distinctive résumé documents not only the student's academic preparation and career interests but also his or her leadership posts, real-world experience, work experience, and co-curricular achievements. It is through this investment in our students that we encourage holistic development: growth in the cognitive, spiritual/ethical, physical, and social realms.

Essentially, this means that our graduates are educated, not just trained.

The Guarantee

We evaluate each student's proficiency in written communication not only in the freshman composition courses but also following the completion of the second composition course, when a special writing-proficiency assessment is given. Based on the results of that assessment, any student who needs to sharpen competencies in grammar, punctuation, and syntax takes an additional writing course, ENG 21000 Writing Proficiency Lab, prior to graduation, as a value-added bonus. This initiative ensures that any student who graduates from Lindenwood is adept at the writing level necessary for success in the professional world and everyday life. As the Association of American Colleges has stated, "A bachelor's degree should mean that its holders can read, write, and speak at levels of distinction and have been given many opportunities to learn how. It also should mean that many do so with style."

Academic Programs

Undergraduate Degrees

Accounting (B.A.)
Acting (B.F.A.)
Advertising, Public Relations: Corporate Communications (B.A.)
American Studies (B.A.)
Anthropology (B.A.)
Art History (B.A.)
Arts Management (B.A.) –Dance
Theatre emphases (B.A.)
Athletic Training (B.S.)
Biology (B.A., B.S.)
Business Administration (B.A.)
Chemistry (B.A., B.S.)
Christian Ministry Studies (B.A.)
Computer Information Systems (B.S.)
Computer Science (B.A., B.S.)
Criminal Justice (B.A.)
Dance (B.A.)
Digital Cinema Arts (B.A., B.F.A.)
Directing (B.F.A.)
Early Childhood Education (B.A.)
Early Childhood Special Education (B.A.)
Economics (B.A.)
Educational Studies (B.A.)
Elementary Education (B.A.)
English (B.A.)
Entrepreneurial Studies (B.A.)
Environmental Biology (B.A.)
Exercise Science (B.S.)
Fashion Design (B.A., B.F.A.)
Finance (B.A.)
Fire & Paramedic Science (B.S.)
French (B.A.)
General Studies (B.A.)
Graphic Design (B.A., B.F.A.)
Health (B.A.)
History (B.A.)
Human Resource Management (B.A.)
Industrial Technology Education (B.A.)
Interactive Media and Web Design (B.A.)
International Business (B.A.)
International Studies (B.A.)
Journalism (B.A.)
Marketing (B.A.)
Mass Communications (B.A.)
Mathematics (B.A., B.S.)
Middle School Education (B.A.)
Music (B.A.)
Music Business (B.A.)
Music Performance (B.A.)
Musical Theatre (B.F.A.)
Nonprofit Administration (B.A.)

Performing Arts (B.A.)
Personal Financial Planning (B.A.)
Philosophy (B.A.)
Physical Education (B.A., B.S.)
Political Science (B.A.)
Psychology (B.A.)
Public Administration (B.A.)
Recreation Leadership (B.A.)
Religion (B.A.)
Retail Merchandising (B.A.)
Secondary Education Certification (major in subject specialty) (B.A., B.S., B.F.A.)
Social Work (B.S.W.)
Sociology (B.A.)
Spanish (B.A.)
Sport Management (B.A.)
Studio Art (B.A., B.F.A.)
Technical Theatre/Design (B.F.A.)
Theatre (B.A.)

Pre-Professional Programs

Pre-Chiropractic
Pre-Dentistry
Pre-Engineering
Pre-Health
Pre-Law
Pre-Medicine
Pre-Nursing
Pre-Optometry
Pre-Veterinary Science

Evening College Program

Business Administration (B.S.)
Communications (B.A.)
Communications, Corporate Communications Emphasis (B.A.)
Communications, Mass Communications Emphasis (B.A.)
Criminal Justice (B.S.)
Fire Science Management (B.S.)
Health Management (B.S.)
Human Resource Management (B.S.)
Information Technology (B.S.)
Mortuary Management (B.S.)

Minors

American Studies
Anthropology
Art History
Biology
Business Administration
Chemistry

Christian Ministry Studies
Coaching
Communications
Computer Science
Creative Writing
Criminal Justice
Dance
Economics
Education
Engineering Physics
English Literature
Fashion Design
French
Health and Wellness
History
History of Ideas
Graphic Design
Interactive Media and Web Design
Mathematics
Military Science
Music
Music Composition
Nonprofit Administration
Performing Arts
Philosophy
Philosophy of Religion
Political Science
Psychology
Public Administration
Recreation Leadership
Religion
Retail Merchandising
Special Education
Social and Political Philosophy
Social Studies
Social Welfare
Sociology
Spanish, LU Campus
Spanish, Costa Rica Campus
Sport and Fitness Management
Strength and Conditioning
Studio Art
Theatre

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Introduction to Lindenwood University

This catalog contains a description of the undergraduate programs offered on the traditional day semester schedule of Lindenwood University. Separate catalogs are devoted to the description and the special requirements of the Lindenwood University Belleville Campus, all graduate programs, and the quarter schedule. 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 is an Equal Opportunity Employer. The university complies with the Civil Rights Act of 1964 and other legislation, as amended, including the Equal Pay Act of 1963, the Age Discrimination in Employment Act of 1967, the Americans With Disabilities Act of 1990, and other legislation which prohibits discrimination in employment and access to educational programs because of race, color, national origin, sex, age or physical handicap. Lindenwood University is committed to a policy of non-discrimination and dedicated to providing a positive discrimination-free educational and work environment. Any kind of discrimination, harassment, and intimidation is unacceptable. For the purpose of this policy, discrimination, harassment and intimidation may be defined as any attempt on the part of individuals, groups and recognized campus organizations to deny an individual or group those rights, freedoms or opportunities available to all members of the university community. The university is committed to meeting the full intent and spirit of the anti-discrimination laws, not merely the minimum letter of the law. Inquiries concerning the application of Lindenwood University's policy on nondiscrimination should be directed to the university's Vice President of Human Resources.

Lindenwood University complies with the 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 Act 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 USA Patriot Act of 2001, and seeks to provide a healthy, safe and secure environment for students and employees.

Accreditation

Lindenwood University, founded in 1827, is a member of and/or accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, the Accreditation Council for Business Schools and Programs, the Council on Social Work Education, the Commission on Accreditation of Athletic Training Education, the Missouri Department of Elementary and Secondary Education, and is fully endorsed by the Society for Human Resource Management. Lindenwood is a member of the Teacher Education Accreditation Council and the Council for Higher Education Accreditation.

Historic Lindenwood

Amid the beautiful linden trees, Lindenwood University was founded in 1827 by innovative pioneering educators Mary

Easton Sibley and Major George Sibley. They sought to establish an institution that reached across all fields of knowledge, teaching a solid academic core along with the balanced sense of self worth that accompanies dedication to the larger community and the world—an institution that was always up-to-date and with the times in teaching both the breadth of the liberal arts and the attention to detail of the sciences, seeking to synthesize all knowledge in an effort to educate the whole person. Lindenwood University serves full- and part-time students of all ages with a wide variety of educational programs leading to baccalaureate and master's degrees. This academic year, Lindenwood University will serve more than 17,000 full-time and part-time students. Close to 4000 of these students will live on the university's beautifully wooded campus in St. Charles.

Degree Programs

Lindenwood University offers academic programs leading to the bachelor of arts (B.A.), bachelor of fine arts (B.F.A.), bachelor of science (B.S.), and bachelor of social work (B.S.W) degrees at the undergraduate level. At the graduate level, the university offers coursework leading to the master of science (M.S.), master of arts (M.A.), master of arts in teaching (M.A.T.), master of business administration (M.B.A.), master of fine arts (M.F.A.), master of public administration (M.P.A), education specialist (Ed. S.), and doctor of education (Ed. D.). In all schools individualized degrees may be developed on a contract basis for interdisciplinary specialties. The major areas of concentration and the format in which each degree is offered are listed under "Academic Programs" in this catalog.

Program Formats

Lindenwood University strives to make quality higher education accessible to traditional and non-traditional students. Undergraduate and graduate academic programs are offered in three distinct formats, known as the semester, quarter system (employed by the Lindenwood College for Individualized Education) and the newest format, the 5-term MBA formats.

The day semester programs are considered the "traditional" format, with undergraduate classes offered in the semester format during the day. However, graduate degree courses in education, counseling, communications, art, nonprofit administration, theatre, human performance, teaching English to speakers of other languages, and American studies are also held on a semester basis, with some classes meeting in the evenings.

In 1975, the Lindenwood College for Individualized Education (LCIE) was created to provide an accelerated program of study that enables students to make progress toward an undergraduate or graduate degree without relinquishing career and family obligations.

Many older adults who might not pursue higher education in a traditional setting find LCIE's educational philosophy and flexible program an ideal learning environment in which to earn a degree or to pursue studies appropriate to personal learning goals.

Since its inception, the evening format, including both LCIE courses and evening semester courses, has maintained a deep commitment to meeting the intellectual and professional needs of adult learners with employment experience. This purpose continues to provide high-quality professional and personal competence.

Using methods based in adult learning theory, the evening programs provide students with the techniques of scholarly

inquiry. Through varied curricula and excellent teaching designed to meet a full range of adult student needs, the Lindenwood evening programs realize their mission within the university community.

The January Term gives both students and faculty members the opportunity to concentrate on a topic of special interest. The January Term courses emphasize experiential education, total immersion in a topic or activity, creativity, and close interaction with one faculty member or a team of faculty.

The newest format is the 5-term MBA program. The university's master of business administration (MBA) degree program and associated graduate business programs are offered in a five-term format—Fall I, Fall II, Spring I, Spring II and Summer. Each term is nine weeks in length, with one four-hour evening or Saturday morning class meeting held each week.

Campus Locations

St. Charles Campus: Located at 209 South Kingshighway in the heart of St. Charles, this 500-acre site is the original campus founded by Major George and Mary Easton Sibley. Historic buildings grace the tree-lined walks and house classrooms, administrative offices, and residential living.

Belleville Campus: Located at 2600 West Main Street in Belleville, IL., the Belleville site has more than 50 classrooms, including science labs, computer labs, and multipurpose classrooms.

Boone Campus: The site of the Boone Home and Boonesfield Village is located on Highway F near Defiance, Mo., approximately 40 minutes from Lindenwood's main campus. This historic landmark merged with Lindenwood University in 1998. The 1,000-acre Boone property, with its rich heritage and historic buildings and features, remains a popular St. Charles County tourist attraction. The campus also serves as a "laboratory" for students to study a variety of frontier-related programs, including the values, culture and history of the American frontier. Classes held at the site include historic preservation, frontier crafts, interpretation, museology, archaeological digs, and recreation skills. The tourist component provides for internships and practica in nearly every major in the Lindenwood curriculum, from accounting and marketing to theatre and education.

North County Campus: Students in the Florissant, MO., area can take classes conveniently at Lindenwood's site located at 4500 Washington Ave. Those interested should call 314-838-7653.

Lindenwood University Cultural Center (LUCC): Located at 400 N. Kingshighway, a few blocks from the main campus, the LUCC is the center for the Lindenwood College for Individualized Education. Classrooms, faculty offices, and a 600-seat auditorium are among the building's amenities.

Lincoln County Campus: Located at 995 Main Street, Moscow Mills, Mo., this center has four classrooms with traditional schoolhouse decor. The center includes a computer laboratory for technology classes.

O'Fallon Campus: Located on the administrative campus of the City of O'Fallon, MO., at 100 North Main Street, this center represents a partnership with the city of O'Fallon.

O'Fallon South Campus: Located just off Highway 40, at Highway K and Technology Drive in O'Fallon, MO, this contemporary campus is among upscale retail storefronts in Laboure Center. The O'Fallon South campus provides a convenient option for undergraduate and graduate evening students in this growing corporate and residential community. This campus opened in May 2011 and has generous parking. For more information, please call us at 636-949-4933.

Saint Louis City Campus: Located at 1409 Washington Avenue, the campus is strategically located to meet the needs of downtown residents as well as workforce commuters. This thoroughly modern facility opened in January 2009 and serves both undergraduate and graduate evening students.

South County Campus: Located in the Hyland Educational Center at 10020 Kennerly Road, the South County Education Center meets the needs of working adults by offering evening undergraduate and graduate degree programs. Classrooms and administrative offices are housed in a modern facility with ample parking.

Wentzville Campus: Located at 1102 East Pitman, the Wentzville site serves students in Lincoln, Warren, and Western St. Charles counties. The site offers undergraduate and graduate programs designed to meet the needs of adult students.

Westport Campus: Located in the 12000 Building, 11960 Westline Industrial Drive, Suite 250, in west St. Louis County, this facility meets the needs of working adults enrolled in undergraduate and graduate programs of the Lindenwood University evening division. Classrooms and administrative offices are housed in a modern facility with ample free parking.

Wildwood Campus: Located in the beautiful Wildwood Town Center at 16747 Main Street, this campus offers a vibrant graduate and undergraduate learning experience. The campus opened in June of 2010 and the classrooms are thoroughly updated and comfortable. Parking is plentiful, and the campus is surrounded by numerous shops to grab a coffee or a bite to eat before or after classes. Please visit us at <http://www.lindenwood.edu/about/wildwood.cfm> or call us at 636-273-5249 for more information.

In addition to the above, the university provides onsite instruction at a number of businesses and school districts in the region.

Undergraduate Admissions

Admission Standards

The standards of admission to Lindenwood University are selective yet flexible. We do expect our applicants to have a sound academic preparation for college, and we carefully examine each applicant's record to determine whether or not the student has the potential to be successful at Lindenwood.

Lindenwood University consciously seeks a diverse student body and welcomes applicants from all socioeconomic, religious, and ethnic backgrounds. We also value geographical diversity and welcome international students to our campus.

Selection Criteria

Candidates applying to Lindenwood University will be evaluated individually by the Lindenwood University Office of Admissions. Lindenwood recommends that applicants have completed at least 16 units of high school study in academic areas (one year in a particular subject is considered an academic unit). While no single academic preparation is required, a university preparatory curriculum is preferred. Therefore, a student's high school record should reflect study of English for four years and two or three years each of 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 or performing arts.

Applicants who are juniors or seniors in high school and are offered admission to Lindenwood University are admitted with the provision that all high school graduation requirements will be completed prior to class attendance at the university. A final high school transcript showing all grades must be submitted

to the Lindenwood office of admissions after the applicant's high school graduation and must include the applicant's date of graduation.

Health Requirements for Admission

Proof of the following immunizations is required of all applicants:

1. Two doses of MMR (Measles, Mumps, and Rubella). Not required for students born before 1956. Even if incomplete, students must provide dates of any doses received.
2. Meningococcal Vaccination. Students residing in on campus housing are required by state law to receive the meningococcal vaccine or sign a waiver refusing the vaccination.
3. Tuberculosis (TB). This vaccination is required for students who have lived in Asia, Central or Southern America, or Eastern Europe.

The immunizations listed above are recommended by the American College Health Association (ACHA).

Application to Undergraduate Programs

Domestic Student Application

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

1. Electronic or paper application sent with the non-refundable \$30 application fee—Students should attach a personal resume indicating community service, youth leadership, clubs, organizations, and non-academic experiences. Also included should be a personal essay including why the applicant wishes to further his/her education and a description of his/her long-term goals or a specific experience in his/her life.
2. Official transcript, indicating graduation from the last high school attended or home school program—A copy of the student's General Education Development (GED) certificate may be provided in lieu of the high school transcript. Transfer students who have successfully completed a two year program that is acceptable for full credit toward a bachelor's degree may not be required to submit their high school transcripts. Students wishing to transfer credit from a regionally accredited institution should request official university transcripts at the time they apply for admission to Lindenwood University. Candidates who do not have a high school diploma or its recognized equivalent must achieve a passing score on an approved "ability to benefit" assessment test. Provisional admission to the university may be granted by the dean of admissions on the basis of facsimile copies of high school transcripts, ACT/SAT scores, GED scores, and/or other university transcripts.
3. Results of either the ACT or SAT—Students should contact the Office of Admissions or their high school counselor for an application and scheduled dates for these examinations. Lindenwood's code number is 2324 for the ACT or 6367 for the SAT. Transfer students with 24 or more hours of credit, applicants who have been out of high school for five or more years, or those given approval by the dean of admissions may not be required to furnish scores from standardized tests, although such scores are recommended. Satisfactory standardized test scores are required for all students majoring in teacher education.

International Student Application

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

1. International Student Application—The application must be submitted along with a non-refundable \$100 application fee. Graduate applicants must enclose their resumes with their applications.
2. Affidavit of Support—The student should provide an official document or statement from his/her bank verifying the amount of personal/family funds, in U.S. dollars, available for tuition (personal cost) and educational expenses (books, insurance). All documents must be in English.
3. Official Transcripts—Undergraduates must submit certified copies of high school transcripts and college transcripts. If the transcript is from a U.S. school, the transcript must be original and sent directly from the U.S. institution. Graduate candidates must submit certified copies of college transcripts that include evidence that a baccalaureate degree has been earned. The transcript must be in its original language and accompanied by a certified English translation. These documents will not be returned to the student. They will become part of the student's official file at Lindenwood University. The cost for the evaluation will be incurred by the applicant. However, once the applicant obtains a visa and arrives at Lindenwood University, the cost of the evaluation will be refunded, provided that the applicant brings in the receipt for the evaluation service.
4. Provisional admission to the university may be granted by the director of international admission on the basis of facsimile copies of high school transcripts or diploma equivalents, ACT/SAT scores, GED scores, and/ or other university transcripts.
5. WES Transcript Evaluation—If academic credit is to be transferred to Lindenwood from an overseas school, the applicant must submit his/her transcripts and translations to World Evaluation Services (WES) for evaluation. No application will be complete until the WES evaluation is provided. Applicants should contact WES for more information about how to get transcripts evaluated and make sure to list Lindenwood University as the recipient. WES will also provide a copy of the evaluation directly to the applicant. The applicant should keep this copy of this evaluation for his/her records.
6. Housing Application—Prospective resident students must submit a housing application and a \$300 housing deposit made payable to Lindenwood University. All international residential students are obligated to pay the housing costs for the entire academic year once a housing form is signed and submitted to the Housing Office. Campus housing will be assigned upon receipt of the housing application and deposit. Students should each include an email address on the housing form.
7. Personal Statement (Essay)—Students should each complete an essay concerning their education plans. For example, the essay may include why the student wishes to further his/her education, any long term goals he/she possesses, or the description of a special experience in his/her life.
8. Transfer Procedure—If transferring from another university within the United States, students should forward the transfer paperwork found in the student application to their

- school's officials for processing.
9. Passport—Students must provide a clear, readable copy of the identification page of their passports.
 10. Insurance—Students are encouraged to be insured while studying in the United States. Lindenwood University does not provide insurance for students. Students may carry any health insurance policies they choose.
 11. An official TOEFL or IELTS score. For score reporting, the Lindenwood University code is 6367. Required minimum TOEFL scores: Undergraduate candidates – 500 (paper-based), 173 (computer-based), 61 (Internet-based). Graduate candidates – 550 (paper-based), 213 (computer-based), 80 (Internet-based). Required minimum IELTS score: Undergraduate candidates – 5.0. Graduate candidates – 6.0.

Students should send all required documents and any other relevant information to complete the application to Lindenwood University, Office of International Students and Scholars, 209 S. Kingshighway, St. Charles, MO 63301-1695. The e-mail address is international@lindenwood.edu; the phone number is (636) 949-4982, and FAX is (636) 949-4108.

International students must arrive the Tuesday prior to the start of classes each semester. Upon arrival, international students will receive an orientation to the university, an introduction to academic programs and requirements, and housing assignments.

Undergraduate Academic Requirements

Lindenwood University offers academic majors leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Social Work, and Bachelor of Science degrees at the undergraduate level. Specific degree requirements are listed in the sections of the catalog that describe the various programs. Course descriptions are listed alphabetically after the final program description. In addition to the standard major, a contract degree option is available to enable students to design their own majors.

Bachelor's Degree Requirements

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

1. Successful completion of a minimum of 128 semester hours, at least 42 of which must be upper division courses numbered 30000 or above.
2. Successful completion of the requirements for one of the undergraduate majors offered by the university, at least 50 percent of which must be taken at Lindenwood University.
3. A minimum cumulative grade point average of 2.0 for all courses taken at Lindenwood University, as well as a minimum cumulative grade point average of 2.0 for all courses satisfying the student's major, concentration, emphasis, or minor, with at least 50 percent of the credits earned for the major, concentration, emphasis, or minor being earned at Lindenwood. Overall cumulative GPA is a continuous representation of grades received for all courses taken at Lindenwood University.
4. Successful completion at Lindenwood University of the last 36 credits leading to the degree.
5. Successful completion of all General Education (GE) course requirements for a bachelor's degree.

NOTE: Undergraduate day students who are first-time freshmen or transfer students with fewer than 24 semester hours of transferable credit who have not successfully completed a freshmen seminar course must enroll in and complete Lindenwood's LUL 10100 or LUL 10101(Freshman Experience) class in their first semester at the university.

Placement Exam Requirements

Writing Placement Examination (WPE)

Incoming freshmen are required to take the Writing Placement Examination (WPE) during the enrollment process for placement into the Lindenwood University composition sequence. This assessment determines the course by which each student will best be served in the composition course sequence (i.e. in a skills-refresher course or freshman composition course).

Students who transfer to Lindenwood University with a grade of "C" or better in a Composition I course (ENG 15000 or equivalent) are placed into ENG 17000, upon completion of which the students take the Writing Proficiency Assessment (WPA). Students who transfer with a grade of "C" or better in both a Composition I (ENG 15000 or equivalent) and Composition II (ENG 17000 or equivalent) are required to pass the Writing Proficiency Assessment (WPA).

Writing Proficiency Assessment (WPA)

Upon completion of the second composition course (ENG 17000), the Writing Proficiency Assessment must be taken. All students are required to take the Writing Proficiency Assessment after the successful completion of English Composition II, whether the course is taken at Lindenwood University or transferred from another institution.

A student who does not pass the Writing Proficiency Assessment is required to take an additional writing course, ENG 21000 *Writing Proficiency Lab*, prior to graduation so as to sharpen competencies in grammar, punctuation, and syntax. This requirement serves to ensure that any student who graduates from Lindenwood University is adept at the writing level necessary for success in the professional world and everyday life.

English Placement Test for International Students

Upon arrival to Lindenwood University, all international students will take an English language placement exam. Each student's exam score will determine whether he or she must enroll in English language courses in conjunction with or prior to his or her degree program classes. Only after receiving an English language exam score will a student receive a class schedule. Note that students arriving after the language placement exam has been given must take the late-placement exam. Students arriving any time after the late-placement exam must arrange to take the exam through the university Writing Center before enrolling in classes. For more information regarding the English Placement Exam, please refer to the Department of English Preparedness section of this catalog.

Math Placement Assessment

Lindenwood University requires all students to complete a mathematics placement exam prior to enrolling in any mathematics course higher than Intermediate Algebra (MTH 10000). The only students exempt from this requirement are those who have already satisfied the necessary course requirements or prerequisites through transfer credit. There are two levels of math placement exam: the General Education level and the Algebra-Calculus level. (Students will be advised which math placement exam to take depending on the student's intended course of study.) The General Education test is a multiple-choice exam administered to all students seeking to enroll in any General Education mathematics course below College Algebra. The Algebra-Calculus level, there are three possible placement exams to take: the College Algebra exam, the Pre-calculus exam, or the Calculus exam. These exams

are administered to all students who wish to enroll in any mathematics course between College Algebra (MTH 15100) and Calculus (MTH 27100).

Domestic students take the placement exam during any open enrollment day. If a student is unable to attend an open enrollment day, he or she is encouraged to schedule a time to take the necessary math placement exam as soon as possible after arriving on campus. International students take the math placement exam during the International Student Check-In and Orientation Week.

Once the student completes the exam, it is graded and the student is informed of the exam results. The score of the math placement exam determines whether the student will be required to enroll in a mathematics refresher course before progressing onto the mathematics course required by his or her degree program. An entry indicating the placement level will be made on the student's transcript.

Writing Center

The Lindenwood University Writing Center, located in Butler Library, offers tutorial assistance to students working on written assignments for their classes. Appointments are suggested, but they are not required. Tutors are prepared to help students in all disciplines to create and revise assigned work. Issues covered include organization, sentence clarity, development, grammar, and usage.

General Education Requirements

General Education (GE) studies form the foundation on which the more specialized studies of the major are based. General Education studies introduce the student to some of the key issues, concepts, and perspectives of the disciplines of humanities, social sciences, natural sciences, and quantitative thought and are intended to help students develop analytical, organizational, oral, writing, interpersonal, and research skills.

Some General Education courses can meet more than one type of general education requirement. For example, ART 22200 (History of Western Art to 1300) is listed in the catalog as (GE-FineArt/CrsClt), which means that it could meet the requirements of EITHER a fine art general education course OR a cross-cultural general education course. However, ART 22200, and other courses that may qualify as two types of general education course, may not be used to satisfy both general education requirements simultaneously.

If, on the other hand, a GE course and a course required for one's major can be met by one course, that course MAY be used to satisfy both the GE requirement and the major requirement. For instance, ART 22200 (GE-FineArt/CrsClt) is a requirement in the Arts Management major. As such, it can be used to satisfy both the requirement of the major and a portion of the GE Fine Art requirement. (Note that although two requirements are fulfilled in this instance, the total number of credits earned is still three, since only one course was taken.)

The following courses have been approved by the University to satisfy the designated General Education requirement; however, each student needs to check with his/her school/department as some programs specify a particular course for completion of the General Education requirements, and other schools/departments have narrowed this list as it applies to specific majors. Please check the catalog for major-specific direction regarding General Education requirements.

Students must complete the following general education requirements:

Bachelor of Science	Bachelor of Arts, Bachelor of Social Work, & Bachelor of Fine Arts
ENGLISH COMPOSITION ENG 15000 or EPP 15000 and ENG 17000	ENGLISH COMPOSITION ENG 15000 or EPP 15000 and ENG 17000
COMMUNICATIONS One course	COMMUNICATIONS One course
HUMANITIES Literature—two courses Philosophy or Religion— one course	HUMANITIES Literature—two courses Philosophy or Religion— one course
FINE ARTS One course	FINE ARTS One course
AMERICAN GOVERNMENT or HISTORY One course	AMERICAN GOVERNMENT or HISTORY One course
CULTURE & CIVILIZATIONS HIS 10000 or HIS 22100	CULTURE & CIVILIZATIONS HIS 10000 or HIS 22100 and Cross Cultural—two courses or Foreign Language—two consecutive courses (not for native speakers of that language)
SOCIAL SCIENCES Two courses (from different disciplines)	SOCIAL SCIENCES Two courses (from different disciplines)
MATHEMATICS Two courses	MATHEMATICS One course
NATURAL SCIENCES Three courses representing two of the three areas (Earth, Physical, or Biological Sciences), at least one of which has a lab	NATURAL SCIENCES Two courses representing two of the three areas (Earth, Physical, or Biological Sciences) at least one of which has a lab

General Education Requirements for the Bachelor of Arts Degree, Bachelor of Social Work Degree, and Bachelor of Fine Arts Degree.

Following are the General Education requirements for the Bachelor of Arts degree, Bachelor of Social Work degree, and the Bachelor of Fine Arts degree.

English Composition (Six credit hours)

ENG 15000 or EPP 15000 and ENG 17000

Note that in order to advance to Composition II (ENG 17000), students must earn at least a "C" in Composition I (ENG 15000 or EPP 15000). In order to advance beyond Composition II (ENG 17000), students must also earn a "C" or better in

Composition II (ENG 17000). This requirement applies also to students who have transferred their English composition courses into Lindenwood University.

Upon completion of ENG 17000, students are required to successfully complete the Writing Proficiency Assessment. If students do not pass the assessment, they are required to successfully complete the Writing Proficiency Lab, (ENG 21000) prior to graduation. Transfer students are also required to meet this requirement. It is strongly recommended that students complete the writing assessment immediately following the semester in which they complete ENG 17000.

Communications (Three credit hours)

One course selected from the following: COM 10500, COM 11000, or SW 10000.

Humanities (Six credit hours of literature courses and three hours of philosophy or religion courses)

Six credit hours of literature selected from ENG 20000, ENG 20100, ENG 20200, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 28000, ENG 28100, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33700, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 34700, ENG 35100, ENG 38000, ENG 38100, TA 33500, and TA 33600.

Three hours of philosophy or religion selected from PHL 10200, PHL 15000, PHL 18000, PHL 18100, PHL 19000, PHL 21400, PHL 21500, PHL 24000, PHL 25000, PHL 25200, PHL 26500, PHL 28000, PHL 28100, PHL 30500, PHL 31100, PHL 31200, PHL 31300, PHL 32500, PHL 38000, PHL 38100, REL 15000, REL 20100, REL 20200, REL 21000, REL 21100, REL 22200, REL 28000, REL 28100, REL 30000, REL 30500, REL 31000, REL 32000, REL 32500, REL 33000, REL 38000, REL 38100, and PSY 30500.

Fine Arts (Three credit hours)

Three credit hours of fine arts selected from ART 10000, ART 13600, ART 18100, ART 18101, ART 21000, ART 22200, ART 22400, ART 24000; DAN 10100, DAN 11000, DAN 37100; MUS 15000, MUS 16500, MUS 33000, MUS 35500, MUS 35600, MUS 35700, MUS 38601; TA 10500, TA 11700, TA 31700, TA 33500, TA 33600, TA 33700, TA 37000, TA 38600, and TA 38700.

American Government or American History (Three credit hours)

Three credit hours of American government or American history selected from HIS 10500, HIS 10600, HIS 15500, HIS 21500, HIS 21600, PS 15500, and PS 15600.

Culture and Civilization (Three credit hours of world history since 1500 or global history since 1500 and six credit hours of designated cross/cultural courses or foreign language)

HIS 10000 or HIS 22100 and two courses designated as cross cultural selected from ANT 11200, ANT 21000, ANT 30000, ANT 31700, ANT 32400, ANT 33400; ART 22200, ART 22400, ART 35400, ART 35600, ART 35700, ART 36100, ART 36200, ART 36300, ART 36400, ART 38300; CJ 22500; COM 28602, COM 37000, COM 37600, COM 38601; DAN 11000, DAN 37100; ECON 33035; ENG 20100, ENG 20200, ENG 21600, ENG 24500, ENG 25000, ENG 28100, ENG 33500, ENG 38100; FLC 10300; FLF 32000, FLF 33700, FLF 35000, FLF

35100, FLF 36000, FLF 38200, FLF 40000, FLF 41000, FLF 41100, FLF 41200, FLF 41300, FLF 41400; FLG 32000, FLG 38200, FLS 32000, FLS 33500, FLS 33600, FLS 35000, FLS 35100, FLS 36300, FLS 36400, FLS 38200, FLS 40000, FLS 41200, FLS 41300, FLS 41500, FLS 41600, FLS 41800, FLS 42000, FLS 42100, GEO 20100; GEO 20200, GEO 20700, GEO 28100, GEO 30100, HIS 20500, HIS 22000, HIS 28200, HIS 38200; INTL 48070; MUS 35500, MUS 35600, MUS 35700; PHL 18100, PHL 28100, PHL 31800, PHL 38100; PS 30000, PS 35000; PSY 29001; REL 15000, REL 23000, REL 28100, REL 31000, REL 31800, REL 38100; SOC 31800; TA 33500, TA 33600, TA 37000; and TA 38700

or

Two consecutive foreign languages at or below the 30000 level (excluding native speakers), or two upper division (30000 or above) foreign language Culture/Literature classes.

Social Sciences (Six credit hours)

Six credit hours (from different disciplines) selected from ANT 11200, ANT 12200; CJ 10100; ECON 23010, ECON 23020; PSY 10000, PSY 10100; REC 20600; SOC 10200, SOC 21400, SOC 22000, SOC 24000, SW 24000, or SW 28000.

Mathematics* (Three to five credit hours)

One mathematics course in college-level mathematics selected from MTH 12100, MTH 13100, MTH 13400, MTH 13500, MTH 14100, MTH 15100, MTH 15200, MTH 17000, MTH 24100, MTH 27100, MTH 27200; PHL 21600; and PSY 30600.

Natural Science* (Seven to eight credit hours)

Two natural science courses, representing two of the following three areas: biological, earth, or physical, at least one of which must have a lab. Courses selected from Biological Science: ANT 13000, BIO 10000, BIO 10600, BIO 10700, BIO 11000, BIO 11200, BIO 11400, BIO 11500, BIO 12100, BIO 25100, BIO 25200, PE 20700; SCI 21400; Earth Science: ESC 10000, ESC 10500, ESC 11000, ESC 11100, ESC 12000, ESC 13000, ESC 13100. Physical Science: CHM 10000, CHM 10100, CHM 10500, CHM 11100, CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, PHY 11100, PHY 11200, PHY 25100, PHY 25200, PHY 30100, and PHY 30200.

**NOTE: Specific science courses are required for certain programs*

General Education Requirements for the Bachelor of Science Degree

The following courses outline the General Education requirements for the Bachelor of Science.

English Composition (Six credit hours)

ENG 15000 or EPP 15000 and ENG 17000

Note that in order to advance to Composition II (ENG 17000), students must earn at least a "C" in Composition I (ENG 15000 or EPP 15000). In order to advance beyond Composition II (ENG 17000), students must also have earned a "C" or better in Composition I (ENG 17000). This requirement applies also to students who have transferred their English composition courses into Lindenwood University.

Upon completion of ENG 17000, students are required to successfully complete the Writing Proficiency Assessment. If students do not pass the assessment, they are required to successfully complete the Writing Proficiency Lab, (ENG 21000) prior to graduation. Transfer students are also required to meet this requirement. It is strongly recommended that students

complete the writing assessment immediately following the semester in which they complete ENG 17000.

Communications (Three credit hours)

Three credit hours selected from COM 10500, COM 11000, or SW 10000.

Humanities (Six credit hours of literature courses and three hours of philosophy or religion courses)

Six hours of literature courses selected from ENG 20000, ENG 20100, ENG 20200, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 28000, ENG 28100, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33700, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 34700, ENG 35100, ENG 38000, ENG 38100, TA 33500, and TA 33600.

Three hours of philosophy or religion selected from PHL 10200, PHL 15000, PHL 18000, PHL 18100, PHL 19000, PHL 21400, PHL 21500, PHL 24000, PHL 25000, PHL 25200, PHL 26500, PHL 28000, PHL 28100, PHL 30500, PHL 31100, PHL 31200, PHL 31300, PHL 32500, PHL 38000, PHL 38100, REL 15000, REL 20100, REL 20200, REL 21000, REL 21100, REL 22200, REL 28000, REL 28100, REL 30000, REL 30500, REL 31000, REL 32000, REL 32500, REL 33000, REL 38000, REL 38100, and PSY 30500.

Fine Arts (Three credit hours)

Three credit hours of fine arts course selected from ART 10000, ART 13600, ART 18100, ART 18101, ART 21000, ART 22200, ART 22400, ART 24000; DAN 10100, DAN 11000, DAN 37100; MUS 15000, MUS 16500, MUS 33000, MUS 35500, MUS 35600, MUS 35700, MUS 38601; TA 10500, TA 11700, TA 31700, TA 33500, TA 33600, TA 33700, TA 37000, TA 38600, and TA 38700.

American Government or American History (Three credit hours)

Three credit hours in American government or American history selected from HIS 10500, HIS 10600, HIS 15500, HIS 21500, HIS 21600, PS 15500, and PS 15600.

Culture & Civilization (Three credit hours of world history since 1500 or global history since 1500)

HIS 10000 or HIS 22100

Social Sciences (Six credit hours)

Six credit hours (from different disciplines) selected from ANT 11200, ANT 12200; CJ 10100; ECON 23010, ECON 23020; GEO 28200; PSY 10000, PSY 10100; REC 20600; SOC 10200, SOC 21400, SOC 22000, SOC 24000; SW 24000, and SW 28000.

Mathematics* (Six to ten credit hours)

Two mathematics courses in college-level mathematics selected from MTH 12100, MTH 13100, MTH 13400, MTH 13500, MTH 14100, MTH 15100, MTH 15200, MTH 17000, MTH 24100, MTH 27100, MTH 27200; PHL 21600; and PSY 30600.

**NOTE: Specific math courses are required for certain programs*

Natural Science* (Ten to twelve credit hours)

Three natural science courses, representing two of the following three areas of earth, physical, or biological science,

at least one of which must have a lab. Courses may be selected from Biological Science: ANT 13000, BIO 10000, BIO 10600, BIO 10700, BIO 11000, BIO 11200, BIO 11400, BIO 11500, BIO 12100, BIO 25100, BIO 25200, PE 20700; SCI 21400; Earth Science: ESC 10000, ESC 10500, ESC 11000, ESC 11100, ESC 12000, ESC 13000, ESC 13100; Physical Science: CHM 10000, CHM 10100, CHM 10500, CHM 11100, CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, PHY 11100, PHY 11200, PHY 25100, PHY 25200, PHY 30100, PHY 30200.

**NOTE: Specific science courses are required for certain programs*

Undergraduate Academics

Classification of Students

Academic progress is calculated in semester hours. To be classified as a sophomore, a student must have successfully completed at least 24 hours. To be classified as a junior, a student must have successfully completed at least 54 hours, and to be classified as a senior, the student must have successfully completed at least 84 hours. The classification of a student is changed only at the end of a regular university semester or term.

Academic Load

Full- and part-time student status is determined by the number of semester hours in which a student is enrolled during any given quarter, term, or semester. Note that international students must maintain full time student status to remain in compliance with US visa regulations.

Semester System

Undergraduate Students

- 12 or more credit hours: full-time
- 9-11 credit hours: three quarter-time
- 6-8 credit hours: half-time
- 1-5 credit hours: less than half-time

Graduate Students

- 9 or more credit hours: full-time
- 6-8 credit hours: half-time
- 1-5 credit hours: less than half-time

Course extensions (including culminating project extensions, capstone extension, and thesis extensions) are not counted among a student's "hours enrolled." For this reason, students who are only enrolled in the completion of a thesis, capstone experience, or culminating project are considered less than half time students. For purposes of a Missouri Student Grant, students must be enrolled in 12 hours (semester system) or nine hours (quarter system) both at the time the funds are requested and at the time the funds are received. One hundred and twenty-eight (128) semester hours are necessary to complete a bachelor's degree. 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 or 9 hours per quarter. A full-time student in the day program may carry a maximum of 18 hours per semester without additional charge with the exception of fees noted for some courses. Hours in excess of 18 during a semester are subject to an overload fee and must be approved by the Dean of Academic Services. Students who request an overload and who have earned at least a cumulative 3.3 GPA may take courses up through 24 hours at no extra charge with administrative authorization.

Academic Calendar

Lindenwood University uses different calendars for different university programs. Fall semester begins just before Labor Day and ends before Christmas. Spring semester begins in January and ends in early May.

All Evening College programs, LCIE programs, the M.B.A. program, the M.S. (business specialty areas), the M.P.A., and the M.A. programs (business specialty areas) are offered either on a quarter calendar or 5-term schedule.

All other programs (including the M.A. in American Studies, Art and Theatre, Communications, Counseling, Education, Human Performance, Teaching English to Speakers of Other Languages, and Nonprofit Administration programs) are offered on a semester calendar. All academic credit is given in semester hours.

Course Offering Frequency

Each course description includes a statement indicating the anticipated offering of the course. **Actual course offerings are dependent on student enrollment and availability of qualified instructors.** The university reserves the right to cancel any course when the enrollment is below minimum requirements or an instructor is not available.

Course offering options include each of the following

1. Offered every semester.
2. Offered Fall semester only.
3. Offered Spring semester only.
4. Offered Fall semester of even numbered years.
5. Offered Spring semester of even numbered years.
6. Offered Fall semester of odd numbered years.
7. Offered Spring semester of odd numbered years.
8. Offered intermittently.

All Summer and J-Term courses are offered on an intermittent basis. All academic credit is offered in semester hours.

Course Numbers

Course numbers used at Lindenwood indicate the following:

10000-19999	Introductory courses open to all students without prerequisites
20000-29999	Specialized courses normally open to all students
30000-39999	Advanced courses normally having prerequisites
40000-49999	Senior level courses having prerequisites
50000-70099	Masters, Thesis, Ed.S., or Ed.D. courses
80000-99999	Graduate level courses

Special Topics

XXX 19000-19999, XXX 29000-29999, XXX 39000-39999, XXX 49000-49999 Special Topics (1-6) Special topics selected from various areas of the offering department. May be repeated as topics will vary. Departments may designate specific course numbers for special topics designations if the requirements meet general education or major requirements.

Earned Credit Time Limits

Credits earned at Lindenwood University will be accepted toward a degree no matter their age except for requirements in the student's major. Credits earned in the student's major will be reviewed for approval by the department chair if older than five years. If the course must be repeated and it is not being offered in the normal sequence of course offerings in the current semester, it may be offered as a special topics class with credit counting toward graduation and in the student's GPA calculation.

Deans' List

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

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 60 semester hours in residence at Lindenwood University. "In residence" hours are produced by taking graded Lindenwood courses. Transfer and experiential learning credits do not count as "in residence" semester hours. Students whose Lindenwood cumulative grade point averages fall within the following ranges are eligible for the honors outlined below:

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

University Honors College

University Honors are reserved for exceptional students who demonstrate intelligence, initiative, and perseverance in fulfilling requirements beyond those asked of others. Meeting these expectations exhibits their commitment to excellence.

The Lindenwood University Honors College offers students a special opportunity to be recognized for excellence and extra effort in their coursework. Graduating with University Honors is the highest award Lindenwood bestows. This achievement is announced at graduation and recipients wear purple braids at the ceremony. "University Honors" also appears on the students' diplomas and transcripts. All courses completed for Honors credit are designated as such on the students' transcripts. The President of the University also presents a certificate to those graduating with University Honors at the Honors Convocation.

To apply for membership in the Honors College, an incoming freshman must score a 29 or above on the ACT. Incoming honor students are allowed to take up to 19 semester credit hours in their first term without being charged an overload fee. A transferring or returning student must have a 3.3 GPA to apply. Honors courses are offered in two formats. Each semester, several courses have Honors sections where every student in that section is enrolled for Honors credit. These sections are smaller with more class discussion and individual contact with the professors. The other format allows any undergraduate course on campus to be taken for Honors credit with the permission of the professor. A student must earn an A in the course and successfully complete an extra project mutually agreed upon by the professor and student.

To graduate with University Honors, a student must complete twenty-four (24) hours of Honors credit. There are two options. First, a student may enroll in up to twelve (12) hours of 10000 level Honors sections with the remaining twelve (12) hours in 30000 level courses. Second, a student may enroll in (six) 6 hours of traditional 10000 level courses and complete the remaining eighteen hours in courses 20000 level or above.

Service Learning Honors Program

Lindenwood University embraces community service as an extension of service-learning, which is a philosophy of experiential learning in which students participate in community service not only to meet the needs of the community, but also to develop their critical thinking skills, commitment to values, and skills for effective citizenship.

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 which they can wear at graduation.

Student participants must set up an account through www.Orgsync.com. To join this program, students must then go to "Academics" and then "Community Service Transcript Designation Program." Once approved, students can upload their hours for approval on a routine basis through the "Timesheet" option. Graduating seniors must have achieved 500 documented, approved hours within 60 days of their graduation date to allow time for verification and inclusion in commencement publications. For more information on this program, please contact Julie Turner in the School of Human Services.

Contract Degrees

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. These include 128 semester hours for graduation, standard grading practices, writing proficiency assessment, and all applicable general educational requirements. The student for whom a contract is formulated shall have completed at least 36 semester hours of university credit and be in good academic standing.

Procedures for creating a contract degree are outlined below.

1. The student will work with a faculty advisor to develop a degree plan; both the student and the advisor will sign the proposed plan.
2. The student will submit the completed, signed plan to the school dean(s) for critique.
3. Once the proposed contract degree has been approved by the advisor and school dean, the student shall submit the proposed plan to the dean of academic services.
4. The dean of academic services will submit the proposed contract degree to the Academic Standards and Processes Committee for review by the ASPC and the provost.
5. The approved contract degree proposal shall be recorded and reported to the student and the faculty advisor by the provost within 30 days of the submission of the contract to the ASPC committee.
6. Any changes of degree requirements by the student and/or advisor after initial approval will nullify this contract, and a new contract will need to be drafted and approved using the same approval process.
7. The up-to-date contract degree program shall be made a part of the student's file in the Office of Academic Services.

Online Course

An online course is a method of instruction in which 100% of the course is taught using a learning management system platform. There is no time spent in an on-ground classroom. In some cases, students may meet for an introductory and/or summary meeting; however, these meetings are not mandatory.

Online Coursework Limit

Semester undergraduate students are limited to taking one online class per semester, except for those students enrolled in the Early Access MBA program.

Hybrid Course

A hybrid course is a method of instruction in which 75% or more of the course is taught using a learning management system platform. Time in the classroom is reduced, but not eliminated.

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 time requirement for an independent study is one documented contact hour every two weeks. It is strongly recommended that students who are granted independent studies have at least a 2.5 cumulative GPA. The course cannot be used to meet a general education requirement.

The Independent Study form must be completed and returned to the Registrar's Office no later than the third week of the term in which the work is to be done. An Add/Drop/Enrollment form and a 1-2 page course outline prepared by the student after consultation with the instructor must be attached. All Independent Study forms submitted after 5:00 p.m. on Friday of the first week of classes will require a Petition for Policy Exemption.

Tutorial

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

The Tutorial Form must be completed and returned to the Registrar's Office 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. All Tutorial Forms submitted after 5:00 p.m. on Friday of the first week of classes will require a Petition for Policy Exemption.

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. Each academic school publishes its standards for eligibility to undertake an internship. Standards vary by program. Students interested in applying for internships should contact their faculty advisors for additional information. Internships are billed at the current tuition rate per semester hour. Internships will be pass/fail.

J-Term

Every January, Lindenwood University offers students the opportunity to earn up to four semester hours of course credit at no charge to the student. Students may register for up to four credit hours and the tuition for those hours will be waived. No student may enroll for more than four hours during J-Term without permission from his/her academic advisor and the provost. To be eligible for tuition waiver during J-Term

enrollment, a student must be a full-time student, have been enrolled during the previous fall semester as a full time student, and be enrolled for the upcoming spring semester as a full time student. Students enrolled less than full-time during the previous fall semester or during the upcoming spring semester are eligible to take classes during J-Term at the published tuition rate. Students suspended at the end of the fall semester may not take a J-Term class.

National Outdoor Leadership School

Lindenwood University has an affiliate agreement with the National Outdoor Leadership School (NOLS). This agreement allows students to use appropriated financial aid to help pay for a NOLS semester course and receive credit through the Department of Recreation Leadership at Lindenwood. Students may enroll in 12 to 15 credits depending on the semester course. Contact the chair of the department of recreation leadership for more information.

Consortium Programs

Lindenwood University belongs to a consortium of colleges and universities in Greater St. Louis. 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.

Academic Policies

Academic Honesty

Academic dishonesty is an exceptionally serious offense to oneself and one's colleagues. The fabric of a learning community is woven by a bond of trust: the work to which we affix our names is our own. To act otherwise is to undermine the contract of good faith on which productive study and the open exchange of ideas is based. Therefore, students wishing to maintain formal membership in a learning community must display the high level of integrity expected of all its members.

According to Lindenwood University's Academic Honesty policy, names of students found guilty of cheating or plagiarizing will be sent to the university provost. A first offense of academic dishonesty may result in a lessened or failing grade on the work/test or failure in the course. A second offense will lead to academic probation and failure of the class, and a third offense will result in expulsion from the university. Any questions concerning this policy should be directed to the Provost.

Advanced Placement

Lindenwood University accepts Advanced Placement (AP) credit earned in most areas of study. If a student has AP credit, he/she should request scores to be sent to Academic Services for an evaluation of credit. Credit will be awarded based on the score received (3-5) and approval of the academic school affected.

Advanced Standing

Advanced standing is the administrative placement of students beyond introductory courses in a curriculum allowing credit for work done in other institutions or giving credit for examinations

or other evidence of learning outside the university setting. Students must submit transcripts of previous academic study, results of examinations, or proof of occupational experience to be granted advanced standing.

Attendance

All students at Lindenwood University are expected to attend all classes and class activities for which they have enrolled. If classes are missed, a student is expected to inform the instructors and to make up the work to the satisfaction of the instructors concerned.

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. A student who has been hospitalized should submit a doctor's verification to the instructors of the courses missed. Written verification of religious observances may be required. The sponsor of an approved university activity for which students will miss classes will provide the office of academic services with a list of participating students, and instructors will be informed of their approved absences. This list of students will be submitted to the office of academic services for approval at least five class days before the date of the activity.

In the case of unsatisfactory work due to excessive absences from class, the instructor may give ample warning to the student that his/her work is unsatisfactory and may report a final grade of "F" to the registrar. Persons receiving benefits from the Veterans Administration are governed by special regulations concerning class attendance (See "Veterans Benefits").

Early College Start (ECS)

ECS is defined as courses taught in a high school and taken by high school students at the college level. ECS includes both courses taken through Lindenwood as well as courses taken at other universities and transferred to Lindenwood.

1. Students may transfer in no more than 24 hours of ECS credit. This includes credits earned through Lindenwood University as well as through other universities.
2. The amount of oversight the department or school has over courses offered through Lindenwood at area high schools will be determined by that department or school. The oversight may include
 - a. review of resumes/qualifications of high school teachers who offer Lindenwood courses for ECS credit.
 - b. yearly meetings with high school teachers who offer Lindenwood courses for ECS credit.
 - c. use of Lindenwood University end-of-the-semester assessments in high school classes taken for Lindenwood credit.
 - d. visits to high school classrooms offering courses for Lindenwood credit.
3. Students may be required to retake a course at the discretion of the department based on the age of the credits and the student's major.

Final Exams

All semester, quarter, and 5-term program courses are required to meet until the end of the scheduled academic periods as stated 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 to be 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 should plan to attend their final exams on the scheduled dates.

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% of the graded work in the class has already been assigned. If 75% of the graded work in the class has not been assigned by the final exam, a makeup exam will be scheduled.

Thesis/Culminating Project Extensions

Registrations for extensions on an undergraduate thesis must be completed by the student each succeeding term after the initial enrollment for his/her thesis/culminating project. The fee charged will be \$50 for each extension.

If the student fails to register for an extension term, he/she will no longer be considered a degree candidate. Should the student wish to resume the thesis, he/she must pay the full tuition rate for the thesis at the time of re-enrollment. In order to appeal that charge, the student must submit a written request to the Business Office controller and include any evidence that would substantiate the appeal.

Academic Procedures

Transferring Credit from U.S. Institutions

Students transferring credit from a regionally accredited university should submit official transcripts from each university attended to the Office of Admissions. Evaluation of transfer credit will be made by the Registrar only after all official documents have been received. (An official transcript must be sent directly from the U.S. institution and received in a sealed envelope.)

All credit hours accepted in transfer must be from regionally accredited colleges and universities, except in rare cases. Students may contact the dean of academic services for a list of non-accredited institutions from which credit is accepted. In order to count toward graduation, all credits must be earned at the 10000 level or above. Remedial courses will not be accepted by the university. Credits accepted from another institution that correspond to 30000 level or higher courses at Lindenwood University will be recognized as part of the 42-hour upper division requirement. Transfer credits numbered 30000 or higher from a four-year regionally accredited Institution will also count toward the 42 hours of 30000-level credit required for graduation and will be counted in the total number of credit hours earned. If courses contain similar or like content and credit and a passing grade has been earned, they will transfer as equivalents of Lindenwood's courses and credits.

If the content is unlike any course offered at Lindenwood but within our programmatic range of studies, elective 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 if and how the evaluated transfer credit may be used to meet major and minor requirements.

Appeals of transfer credit evaluations should be submitted in writing to the Provost.

Lindenwood University will accept all grades of D or better in transfer except for classes equivalent to ENG 15000 or EPP15000 and ENG 17000, which must be transferred with a grade of "C" or better. A grade of "D" will be counted for general education and elective courses. 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; this decision will be based on

department policy. Decisions concerning requirements to retake courses will be left up to the department chairperson (or dean if the department chairperson is unavailable) who has authority over that 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) will be accepted in transfer and may count for either general education or elective credit. If a major or minor course requirement is transferred to Lindenwood with a P (pass) grade, the department chair and the dean of the affected school will determine whether the course will meet the requirement or whether the course must be retaken or replaced. In order to count toward graduation, the grade earned in ENG 15000/EPP 15000, Composition I, or English 17000, Composition II, either at Lindenwood or accepted in transfer, must be a "C" or better.

Course credit (hours) will be transferred to Lindenwood. Grades earned at other colleges will be made available in the CAMS system for advising purposes but not computed into the Lindenwood University GPA. Each department will decide on the equivalency of each transfer course relative to its respective degree requirement. There is no limit on the number of hours a student may transfer into Lindenwood. A transfer student must, however, take a minimum of 36 hours in residence in order to receive the degree. A transfer student must complete a minimum of 50 percent of his/her major at Lindenwood University, but a department or division may require a higher minimum number of hours to be taken at Lindenwood University in the major, minor, concentration, or emphasis area to earn the degree.

Transferring Credit from International Institutions

Students with transfer credit from an international institution **must** submit official transcripts from the international university attended to the Office of International Students and Scholars. The transcripts must be in their original language and must be accompanied by a certified English translation, provided by World Evaluation Services (WES). Applicants should contact 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 for his/her records. *Note: transfer evaluation companies other than WES are not accepted by the university, and the use of such companies will result in non-acceptance of transfer credit.*

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 initial cost for the evaluation will be incurred by the applicant. However, once the applicant obtains a visa and arrives at Lindenwood University, the cost of the evaluation will be refunded (up to \$160 if the applicant provides the WES payment receipt to the International Student and Scholars Center.) For further information regarding the transfer of international credit, please contact the university Office of International Students and Scholars at international@lindenwood.edu.

Transferring Credit after Enrolling at Lindenwood

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 his or her academic advisor, the dean of the school in which that course resides, and the registrar. A Prior Approval Form may be obtained from the Office of Academic Services. A student may be allowed to take a course from another school

during a term in which the requested course is not offered at Lindenwood. Credits accepted in transfer do not affect the student's grade point average at Lindenwood University.

Graduate Credit Earned by Undergraduate Students

With the approval of the dean of the respective school and the provost, undergraduate students may take up to nine semester hours at the graduate level during their senior year at no additional charge. These hours will count towards the graduate degree but not toward the bachelor's degree. Under this option, a student must be enrolled in at least 12 semester hours of undergraduate classes each semester that he or she is taking graduate credit. A maximum of 6 graduate credits can be earned per semester. This policy allows a student to get an early start on a master's degree and provides an incentive for students to continue their studies at Lindenwood University.

Stopping Out

One Semester Leave		One Year or More Leave
With Approved In Absentia Status Request	Without Approved In Absentia Status Request	With or Without In Absentia Status Request
Reapplication to University required.	Reapplication to University required	Reapplication to University required.
Previous Lindenwood grant reinstated	Previous Lindenwood grant not guaranteed	Previous Lindenwood grant not guaranteed
Upon return, complete new application at admissions office and enroll in courses with advisor.	Upon acceptance, attend scheduled University enrollment day to enroll in courses.	Upon acceptance, attend scheduled University enrollment day to enroll in courses.
Student is subject to the academic catalog requirements outlined in the catalog under which student was admitted.	Student is subject to the academic catalog requirements outlined in the catalog under which student was admitted.	Student is subject to requirements outlined in the catalog that is current at time of readmission.

Stopping out with Approval of In Absentia Status Request

A student who intends to take leave from the university (or stop out) for a single semester may request an official leave of absence by completing an *In Absentia Status Request* form, available either through the Office of Financial Aid or the Office of Undergraduate Admissions. Approval of an *In Absentia* request is contingent upon the student's good academic standing. (Note that any student who is approved to take a leave of absence during a spring semester must also submit a housing request prior to departure to ensure a housing assignment for the following fall semester.) Students whose requests for a leave of absence are approved, must, upon their return to campus, visit the admissions office to complete a new application to the university in order to confirm accurate enrollment and reinstatement of financial aid and be readmitted to the university as described under the Readmission section of the catalog. *Notes: (1) Lindenwood grants will be re-instated at the time of the student's return to the university only if an In Absentia request was submitted and approved. (2) A student whose request is approved and who leaves Lindenwood University for no more than one semester is subject to the degree requirements outlined in the academic catalog under which the student was originally accepted to the university.*

Stopping out without Approval of In Absentia Status Request

A student who leaves the university without completing an *In Absentia Status Request* is considered to have departed the university. Should such a student decide to return to the university at a later date, he or she must submit a new application for admission and be readmitted to the university as described under the *Readmission* section of this catalog below. *Notes: (1) Reinstatement of any Lindenwood grants that the student was awarded prior to his or her departure from the University is not guaranteed upon the student's return. (2) Students who are readmitted to the university after more than one year of absence will be subject to the degree requirements outlined in the academic catalog that is current at the time of the student's return to the university. (3) Upon the return of any student after an absence of five or more years, a review of the student's previously earned credits in the major will be reviewed for approval by the department chair. (4) Any course or courses that must be repeated will be taken as special topics classes, and credit and GPA for such courses will count toward graduation.*

Readmission

Any undergraduate student who has not been enrolled in Lindenwood courses for one or more semesters and who wishes to resume his or her coursework must be readmitted to the university by submitting a new application to the Office of Undergraduate Admissions. Students who were suspended at the time of departure from the university must also submit a letter of appeal to the Vice-President for Academic Affairs. Upon review of the new application, the admissions office will update the student's profile in preparation for the student's return to Lindenwood. Students without prior approval for a leave of absence will then be directed to attend a scheduled enrollment day on which to enroll in courses. Students with prior approval for the leave of absence will be directed to contact their advisors to enroll in classes. *Notes: (1) Students who are readmitted to the university after an absence of one semester will be subject to the degree requirements outlined in the academic catalog under which the student was originally accepted to the University. (2) Students who are readmitted to the university after an absence of one year or more will be subject to the degree requirements outlined in the academic catalog that is current at the time of the student's return to the university.*

Re-Enrollment With Prior Approval of Absentia (After One Semester Un-enrolled)

Students returning to Lindenwood after an approved leave of absence must visit the Office of Undergraduate Admissions upon their return to complete a readmission application. Students who have received indication of acceptance from the admissions office are eligible to bypass the designated enrollment day and meet directly with an academic advisor to enroll in classes. *Note: Students who re-enroll after an approved absence of one semester are subject to the degree requirements outlined in the academic catalog under which the student was originally accepted to the university.*

Re-Enrollment Without Prior Approval of Absentia or After One or More Years Un-enrolled

Students who must be readmitted to the University (as described in the *Readmission* section of this catalog, above) and who have received indication of acceptance from the admissions office are eligible to re-enroll in Lindenwood courses and will be enrolled in classes on a scheduled University enrollment day. (For dates of scheduled enrollment days, contact the admissions office.) Any changes in the student's degree or major

requirements between the time of the student's departure and the time of the student's return to Lindenwood will be discussed at the time of enrollment. *Notes: (1) Students who are readmitted after only one semester of non-approved absence are subject to the degree requirements outlined in the academic catalog under which the student was originally accepted to the university. (2) Any student who is readmitted to the university after one year of absence or more will be subject to the degree requirements outlined in the academic catalog that is current at the time of the student's return to the university. (3) Upon the return of any student after an absence of five or more years, a review of the student's previously earned credits in the major will be reviewed for approval by the department chair. (4) Any course or courses that must be repeated will be taken as special topics classes, and credit and GPA for such courses will count toward graduation.*

Withdrawing from Courses

Undergraduate students may drop a class within the first week of class of each term without having to obtain the signature of the faculty member, and the class will be dropped as a "never attend" if the drop does not affect his/her academic load. Students dropping a class during the first week of class resulting in a change of his/her academic load will be withdrawn from his/her class with the grade of "W" if the student attended the class. Students wishing to withdraw from all of his/her classes need to obtain the signature of each instructor to indicate the last date of attendance in each class.

To withdraw from a course with a "W," students must complete and sign a withdrawal form before the last day to withdraw with a "W," secure the signature of his/her academic advisor, and, if he/she has attended the course at least once, the signature of the instructor of the course. Students wishing to withdraw from a course after the deadline to withdraw with a "W" will receive either a grade of "WP" (withdraw passing) or "WF" (withdraw failing).

The deadline for WP/WF grades shall be a date for each term as set annually on the Academic Calendar at the 60% mark of the term, semester, quarter, or five-term program. Neither grade will affect the student's grade point average. (Students should also refer to the Withdrawal and Refund section of this catalog.)

Late withdrawals will be approved only under extreme circumstances. Only extraordinary, documented reasons for withdrawing after the stated deadline will be honored. Requesting a late drop 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 are not reasons that will be honored.

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

1. Write a letter fully specifying the reasons for the withdrawal.
2. Gather supporting documentation (physical report, court documents, hospital documents, etc.)
3. Meet with the academic advisor for a signature on a Petition for Policy Exemption.
4. Meet with the dean of the school for a signature on the exemption form.
5. Submit the signed form to the Vice President for Academic Affairs.

If approved, the student will receive either "WP" (withdraw passing) or "WF" (withdraw failing), depending upon the grade at the time the student withdrew. If a student determines, after the term has ended, that a withdrawal from a class would have

been the best option, he/she may request that the grade assigned be changed to a WP/WF by using the procedure described above.

Adding a Course

Students may not add a course after 5:00 p.m. on Friday of the first week of the semester. Students may add a class during the second week of class only with extenuating circumstances and with signatures of the course professor, dean of the appropriate school, and the provost. A Petition for Policy Exemption is required in addition to a drop/add/enrollment form.

Preparing for Graduation

Students are responsible for tracking their own academic progress and eligibility for graduation. Specifically, each student must track his/her own progress through a degree program by maintaining a checklist of all requirements, including major and minor requirements, general education requirements, free electives, sufficient number of 30000+ level courses, and total number of credit hours completed. The academic advisor will confirm that all degree requirements have been met; however, the student is ultimately responsible for tracking his/her own progress through his/her program and meeting all requirements for graduation. The major advisor has the authority to approve academic work within the major; however, only the chief academic officer of the university 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 each submit an Application for Degree. The application must be signed by the student and the student's academic advisor and be submitted to the Office of Academic Services. Failure to submit an application by the appropriate deadline may postpone the posting of the student's degree. The application deadlines are as follows:

Students Must apply for graduation by

May Dec 30 of the previous year
August February 28 of the same year
December May 30 of the same year

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 4 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 3 quality points; a grade of "C" carries 2 quality points; and a grade of "D" carries 1 quality point. A grade of "F" carries no quality points and no credit. A grade of "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 that one's course work is unsatisfactory, and no credit is given.

Auditing a Course

A student may enroll in any lecture course as an auditor. Students are not permitted to audit skill courses such as studio or photography 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 quarter or 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 regular tuition for a course.

Retaking a Course

An undergraduate student who has received a grade of “D”, “F” or “AF” in a course (except for LUL 10100 or LUL 10101) may repeat the course. Only the last 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. LUL 10100 and LUL 10101 may not be repeated.

Withdrawal (W, WP, WF)

Students may withdraw from a course with any of the following classifications: *Withdraw (W)*, *Withdraw Pass (WP)*, *Withdraw Fail (WF)*.

A grade of “W” indicates that the student withdrew from a class with no affect to the student’s GPA. A student wishing to withdraw from a class for a grade of “W” may do so by completing an add/drop form and securing the signature of his or her advisor and course instructor before the appropriate deadline. If the student misses the first Withdrawal deadline, a second date, set at the 60% mark of the semester, term, or quarter, marks the deadline to apply for a “WP” or “WF.” A grade of “WP” indicates that a student wishing to withdraw from a class was passing the course at the time of the request to withdraw; a grade of “WF” indicates that the student was failing the course at the time of the request to withdraw. Neither “WP” nor “WF” will affect the student’s GPA.

Attendance Failure (AF)

This grade is for used when a student stops attending a particular class prior to the published deadline to receive a grade of WP or WF 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.

No Grade (NG)

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

Incomplete (I)

A grade of “I” (incomplete) is given at the end of a term only for failure to complete course work due to exceptional circumstances beyond the student’s control, such as an extended illness, hospitalization, or death of a close relative requiring absence from campus for more than a few days. 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 are, at the time, successfully completing the coursework.

An “I” grade must be resolved prior to the end of the next term, semester, quarter, or 5-term program; otherwise, it

automatically becomes an “F.” Any request to extend the time needed to complete an “I” must be submitted to the registrar no later than two weeks before the date the grade is due. Requests will then be sent to the appropriate school dean and vice president for academic affairs to be considered for approval.

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.

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 school dean or the provost. An Academic Grievance Committee may be convened to hear academic grievances concerning grades and other academic matters before a recommendation is made to the president for review by the president or his designee.

Information concerning these procedures is available through the provost. Notice of intent to file a grievance must be made in writing to the appropriate school dean or provost within six weeks of receipt of the grade. Changes under this procedure will only be made 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 North Central Association of Colleges and Schools 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 complaints will be shared without the express written permission of the complainants.

Lindenwood University has a number of appeals and grievance processes in place (see, e.g., the process for “Appeal of Financial Aid Suspension”) in various university publications. Once the normal appeals and grievance procedures have been exhausted, students may make formal written complaints concerning academic matters to the provost and those complaints concerning student services to the vice president of student development. All other formal written student complaints should be directed to the president’s office.

Academic Scholarship Standards

The following standards of scholarship have been established by the faculty of Lindenwood University:

1. To qualify for graduation, an undergraduate student must attain a cumulative grade point average no lower than 2.00. Failure to maintain established standards of scholarship will result in probation, warning, suspension, or dismissal from the university.
2. An academic warning will be given to any student not suspended or placed on probation whose term G.P.A. is below 2.00.
3. A student will be placed on probation at the end of any term in which he/she falls below the established standards. If that standard is not attained by the end of the following term, the student may be suspended or dismissed from the university.
4. A student enrolled in six or more credit hours who fails to achieve a 1.00 average in the course work of any term will be suspended.
5. A student on academic probation may not receive a grade of incomplete.

6. A student who has earned 0-24 credits must attain a 1.60 grade point average. A student who has earned 25-54 credits must achieve a 1.80 average. A student who has earned 55-84 credits must achieve a 1.90 average, and a student who has earned 85 or more credits must attain at least a 2.00 in order to maintain acceptable academic progress. Failure to make the aforementioned academic progress at the end of any term will result in academic probation.

Academic Probation and Suspension

Undergraduate students must maintain a 2.00 GPA. The name of any student who does not maintain a 2.00 GPA will be sent to the provost, and such a student may be put on probation or suspended from the university. Students placed on probation may be subject to suspension or dismissal if the student's work does not reach a satisfactory level. Academic suspension is normally for one term. A student who has been suspended may apply for re-admission.

Previously suspended students will enter on probation and be obligated to the requirements in the catalog in effect at the time of the readmission. Any re-admitted student failing to achieve the necessary grade point average by the end of the second term after readmission may be permanently dismissed from the university. Appeals of academic suspension and petitions for readmission should be directed to the provost for review by the president or his designee. A listing of requirements that must be met in writing in order for an appeal to be resolved will be sent to each student. This listing is also available in Academic Services.

Note: students who are suspended for financial aid reasons will be suspended for academic cause as well even if they do not meet the usual term-based criteria for academic suspension.

Notification of Academic Suspension

In addition to being notified by mail, students will also be notified of their suspension by email (sent to the students' Lionmail directly from Academic Services). It is the responsibility of the student to check his or her portal and Lionmail regularly for purposes of receiving such notification. Note that students suspended at the end of the fall semester will not be permitted to enroll in any J-Term class.

Appealing Academic Suspension

Suspended students will be provided in writing with a date by which academic and financial appeals must be received. If appeals are not received by that date, the student will be dropped from all classes, and if the student is a resident, on-campus housing will be cancelled. Appeal letters may be submitted by mail, email, or fax or may be delivered in person, although e-mailed letters are preferred. Full contact information should be included with the appeal.

Dismissal

The university reserves the right at any time to request the withdrawal of a student who is unable to meet academic standards or whose continuance in the university is considered to endanger the student's own health or well-being or that of others or who does not observe the social regulations and standards of conduct of the university.

Academic Services

Requesting Transcripts

A request for a transcript should be made either on a Transcript

Request Form or by letter to the office of academic services, including name, last four digits of social security number, dates of attendance, and current address. Normal processing time for transcripts is three days. Students may also request a transcript online by accessing the Lindenwood University website and completing the Transcript Request Form located in the "Academics" area. A fee of \$5 is charged for each transcript requested.

Requests for official transcripts of the academic record will not be filled until authorization has been received in writing from the individual student.

A transcript will not be issued when the student is delinquent in payment of tuition or fees, has not returned library books, or when there are other unfulfilled obligations to the university. Students will be given 30 days after a transcript request has been made to clear any outstanding balance with the Business Office. After 30 days, it will be the student's responsibility to submit a new request for transcript. *Note: all information in each student's university record folder is considered confidential and is issued only to authorized individuals.*

Requesting Grade Reports

Grade cards are available through the student portals, as are transcripts, class schedules, and information about the business office statements and financial aid. Because grade reports are available online to all students, Lindenwood University no longer mails grade reports to students.

If a student needs a copy of his/her grades for work reimbursement, a copy of all grades can be printed by the student from his/her portal and submitted for reimbursement. If the student's workplace will not accept the printed copy, the student should submit a written request to the dean of 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, signature of the student making the request, and a call back number. The request can be sent by fax to (636) 949-4776.

If students have any questions about their Lionmail accounts or their student portals, they can contact CAMSSupport@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 academic services. 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 (1) full name, (2) local and home addresses, (3) local and home telephone numbers, (4) e-mail address, (5) date and place of birth, (6) most recent educational institution attended, (7) enrollment status, (8) class level, (9) dates of attendance, (10) degrees, awards and honors received, (11) participation in officially recognized activities and sports, (12) weight and height of athletic team members, and (13) photographs. Students may withhold information from some of these disclosure requests by notifying the office of academic services in writing the first week of each term. All written 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 with the Department of Education.

Study Abroad

Lindenwood University requires that all international study for which degree credit is earned must contribute to the student's academic program. The student has two options:

1. Independent study or study abroad programs, 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.
2. An established program supervised by an American college or university with credits transferred back to Lindenwood;

Either option must be approved by the department at Lindenwood that will recommend credit.

To be eligible for a study abroad program, the student must

1. Have at least junior standing, except in unusual cases (consult the director of the program for details);
2. Have a grade point average of 2.0 or higher, except in unusual cases (consult the director of the program for details);
3. Have facility in the spoken language of the country to which he or she is going or is planning to study the language as part of the approved coursework;
4. Satisfy the director of the program that he or she has the maturity and self-reliance needed, and
5. Have a definite educational objective acceptable to the director of the program.

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.

Final approval of the program and the credit to be granted after completion of the study rests with the dean of academic services who acts on the recommendation of the director of the program.

All responsibility for travel, finances, application for admission to a foreign institution where applicable, and 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 director of financial aid for additional information. Questions about student study abroad opportunities may be directed to the director of international admissions.

Students wishing to complete a study abroad program through another institution should research such options, and once a program is chosen, meet with the provost in order to receive approval to have the coursework transferred back to Lindenwood University. Students should take care to choose a program associated with an accredited institution. Students will also need to complete Prior Approval forms and have them signed by the department chairs of the affected academic schools. Steps for this process will be covered in the meeting with the provost.

ROTC Cross-Enrollment

For information regarding ROTC cross-enrollment and simultaneous membership, see "Military Science" in this catalog.

Experiential Learning

Experiential Learning Credit Process

Lindenwood considers experience such as career-oriented skills acquired on the job, participation in business seminars,

experience in community affairs, self-developed training in particular fields, or non-credit courses with academic content as part of the many possibilities for experiential learning credit. It is important to note that we do not award credit for experience. Credit is awarded for the college level knowledge and learning gained from the experience. Credit is not granted for non-university level learning or routine tasks, outdated or forgotten knowledge, or private experience. Limits for credit are also imposed on the acquisition of certain technical skills and specialties. In addition, credit is not given for learning that duplicates a university course already taken. Students may request up to 27 hours of credit through the experiential learning process depending on the requirements of their degree program. Amounts of credit may vary according to the time spent in particular activities and the nature of the learning experience. Students may satisfy some requirements through experiential learning credit in their major; however, at least 18 semester hours of coursework toward the major must be taken at Lindenwood University. Lindenwood cannot guarantee how any other university might interpret transfer credit from the Experiential Learning Credit program.

The Portfolio

The criterion for the award of experiential learning credit is knowledge accumulated, not time involved. The student may claim such knowledge by the preparation of a portfolio in which the student validates the experience with proof by certificate, diploma, syllabi, letters of testimony, and/or samples of work accomplished. A substantial essay describing the knowledge gained in the learning experience accompanies the validations. The experiential learning coordinator will help the student develop a portfolio. The coordinator will identify potential credit areas and discuss the organization of the portfolio and whether the process justifies the learning equivalent of existing university level courses. Students wishing to receive experiential learning credit in their majors must apply before taking courses in their major. Once the portfolio has been approved, the student will be charged a portfolio fee of \$300 and \$90 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.

Experiential Learning Not Requiring a Portfolio

Certain learning experiences are sufficiently standardized and do not require the preparation of a portfolio. Lindenwood University accepts the recommendations for credit set by The American Council on Education (ACE). The student must provide the ACE transcript or certificates verifying the training recognized by ACE. ACE credits will be applied to the student's transcript upon receipt of the \$90 per credit fee. Credit will not be applied to the transcript until the student has paid the fees. The application of credit is evaluated upon presentation of proof of certification or transcripts.

Credits Transcribed

The application of credit for the following professional training or credentials is evaluated upon presentation of transcript:

1. Registered nurse (RN) (up to 12 hours). Official transcript from a school of nursing and RN program required.
2. Licensed practical nurse (LPN) (6 hours). Official transcript from an LPN program required.
3. Medical Laboratory Technician (MLT) or Radiologic Technician. Official transcript from accredited school

- of MLT or school of radiology and completion of an accredited course of medical laboratory required.
4. Emergency Medical Technician (EMT). Completion of training and certification for EMT (up to 12 hours). Copy of license required.
 5. Respiratory Therapist (RT). Completion of training and certification in respiratory therapy (up to 12 hours). Official transcript from accredited school of RT required.
 6. Graduates from the St. Louis or St. Charles Police Academies (up to 15 hours). Copy of certification or official transcript required.
 7. Real estate sales license (3 hours). Copy of license required.
 8. Real estate broker's license (3 hours). Copy of license required.
 9. Life insurance license completion or training and certification for life insurance licensure (3 hours). Students may be eligible for an additional three credit hours in an area of specialization. Copy of license required.
 11. Stockbroker's license completion of training and certification for a stockbroker's license (series 6 or 7) (up to 6 hours). Copy of completion certificate required.
 12. Certified legal assistant (up to 24 hours). Copy of certificate required.
 13. Certified professional secretary in selected business and economic areas (up to 14 hours). Copy of completion certificate required.
 14. YMCA leadership development courses (up to 5 hours). Submission of YMCA transcript required.

Credits Transcribed for \$25

Per a credit agreement with Boeing, credits for Boeing employees will be transcribed for a \$25 fee. To be eligible for such transcription, the candidate must have completed Boeing's V.I.P. or Learning Together Program courses (up to 12 hours). Copy of completion certificate required.

CFT Credits

CFT credits are treated like transfer credits from any institution. Lindenwood University agrees to provide direct transfer credit for designated college-level course work offered by the Center for Financial Training (CFT). A complete listing of course equivalences and acceptable transfer credit may be obtained from the Registrar's Office or the experiential learning coordinator.

Military credits are transcribed at no charge based on ACE recommendations. Military experience: Students seeking an experiential learning award for military experience, formal courses in the military, or for proficiency in a military occupational specialty (MOS) must provide official military records. For military experience and formal courses, veterans should submit a DD Form 95, DD Form 214, AARTS and/or SMARTS transcripts, depending on the branch of the military, or a transcript of in-service training.

Training courses offered by specific companies or corporations may be awarded credit for experiential learning. For a list of these companies and eligible courses, check with the registrar or the experiential learning coordinator. The award of credit for life experience is a well-established principle in hundreds of colleges and universities around the country.

Lindenwood University has been awarding credit for experiential learning for many years. Our faculty and administrators have worked to create and maintain a program that meets the needs of students and the requirements of educators. The university and the program have the approval

of the Higher Learning Commission of the North Central Association of Colleges and Secondary Schools.

Proficiency Examination -CLEP and DANTES

Many undergraduate courses at Lindenwood University may be challenged by examination. Exceptions include, but are not necessarily limited to student teaching, internships, studio courses, laboratory courses, and private music lessons. In addition, students may not receive credit for courses they previously have audited or attended unofficially. College Level Examination Program (CLEP) and DANTES Subject Standardized Tests may also be used to qualify for specific credit. Students with CLEP and/or DANTES credit should consult with the Lindenwood registrar to determine whether their achievement levels qualify for Lindenwood credit. A student may earn a maximum of 27 hours of credit through a combination of proficiency exams, recognized coursework, or portfolio creation. Credit is granted based upon the scoring recommendations set by the College Board Assessment Program. The student has the option to apply the course credit towards graduation requirements or to have the course waived based upon need and advisor recommendation. A waived course does not count towards the total course credits required for graduation. There is no additional cost for a course to be waived through CLEP or DANTES; however, there is a \$90 per credit hour transcription fee to have the course added to the transcript. Lindenwood University does not currently administer College Board Examinations, and the student will need to arrange to have test results sent directly to Lindenwood for evaluation.

Please note: CLEP credit will not be awarded to non-native English speaking students who complete a CLEP exam in their native language.

Proficiency Examination

Students who pass a proficiency examination have two options. They may request to have the course waived and no credit is granted. There is no fee for this, as no credits will be added to the transcript. They may also request to have course credit granted and posted on the transcript. The cumulative grade point average is not affected in this case because no grade is recorded for a course completed in this manner. An administrative fee of \$90 per credit hour is charged and must be paid before the credit is posted to the transcript. The charge for the proficiency examination is a flat rate. It may not be included in the student's full-time tuition or any other enrollment charge nor will the student be charged an overload fee. **Note: This fee is subject to change. Please consult the fee schedule for current rates.*

Fees & Payment Student Expenses

Full-time Undergraduate Tuition

(12 through 18 credit hours) \$6,825/semester
Overload Fee \$395/credit hour
(a charge to full-time students who take more than 18 hours in a term)

Part-time Tuition

Undergraduate semester rate \$395/credit hour
Undergraduate quarter rate \$326/credit hour

Housing & Meals

Semester \$3,500/term
Quarter \$2,905/quarter
Room fee during breaks \$226/week

Other Fees

Housing/Enrollment Deposit (non-refundable)	\$300
Student Health and Activity Fee	\$175/term
Communications Fee-Residence Halls	\$150/term
Student E-Mail Fee	\$30/term
Online surcharge	10%/course
Lab Fee (in specified courses)	\$30-\$75
Course Studio Fee (general)	\$30-\$75
Course Studio Fee (other*)	\$85/course
Student Teaching Fee	\$250
Applied Music Fee	\$150/credit hour
<i>(For individual lessons in piano, voice, orchestral instruments and organ; per semester hour credit)</i>	
Experiential Learning Fee (one-time only charge)	\$300
Experiential Learning Credit	\$90/credit hour
Late Registration Fee	\$25
Promissory Note Origination Fee	\$25
Late Payment Fee (per month)	\$50
Culminating Project Extension Fee	\$50
Culminating Project (Graduate)	\$150
Graduation Processing/diploma fee Undergraduate	\$100

*Includes such items as ceramics, color theory, photography and figure drawing

Note: The undergraduate or graduate contract degree rate will be determined at the time of admission into the program. Provisions for extended stay housing and meals, degree programs, and tutoring and additional services are available upon request.

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 Financial Aid Office prior to the beginning of each term.

The communications fee covers telephone service, voicemail, and cable TV services. The university provides complimentary Internet service to resident students living in the dormitories and some on campus housing.

Housing Deposit

Resident students are expected to pay a \$300 non-refundable fee to reserve their rooms. The room reservation fee becomes a refundable room damage deposit after the student has attended classes and the semester charges have been paid.

This deposit remains on account at the university as long as the student resides in campus housing. Any damage to the assigned housing during the time of residence will be deducted from the deposit. Students are entitled to a deposit refund upon completion of the Residential Check-Out process once all outstanding debts to the university have been satisfied. If a new student withdraws prior to the beginning of a term, the housing application fee is not refunded. Continuing students must notify the Resident Life Office of plans not to return as a resident student the following term and complete the Residential Check-Out process. Failure to complete this process by the date of the last class or exam preceding the departure will result in forfeiture of the deposit. No refund for room and board charges will be made for an academic year after the student signs either a New Student Housing Application or a Returning Student Housing Application.

Students must meet all financial obligations to the university in order to qualify for a room damage deposit refund. Application materials for the refund are available in the Business Office.

When students have been accepted for admission, students and their parents and/or guardians accept all the conditions of payment as well as all the regulations of the university. In making the initial payment of \$300, the student and the parent or guardian acknowledge these terms and signify acceptance of these obligations. No promise or contract that differs from these terms shall bind the university unless it has been signed by the chief operating officer of Lindenwood University. The university reserves the right to increase or reduce fees each year according to changes in fiscal conditions.

An additional charge may be added for all single rooms in the dormitories and/or apartment/house living quarters (on a space availability basis).

Payment Options

All tuition charges and fees are payable prior to the beginning of the term. Students should consult their student account representatives in the Business Office regarding due dates or to make other payment arrangements prior to the beginning of the term. Payment options include:

Corporate Promissory Note: 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 Business 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. By signing a promissory note, students give Lindenwood University permission to contact their employers if the note is not paid by the date due.

Direct Debit Payment Note (DDP): Lindenwood University offers a Direct Debit Payment Plan for the convenience of students. Their payments can be made directly (electronically) from their checking accounts. There are no fees associated with this method of payment. 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.

Delinquent Accounts

Students must meet all financial obligations to the university in order to qualify for continued enrollment or graduation. This means that, each semester or term, each student must pay all money due to the university, including tuition, fees, traffic fines, library fines, and any other financial obligation. A student with a delinquent account can expect that

1. enrollment for a succeeding term will not be allowed.
2. grades for the current term will be held.
3. a transcript will not be issued.
4. the student will not be permitted to graduate.

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 each student's account. Any sums due will be treated as any other student fee.

Withdrawal & Refund

Students wishing to withdraw from Lindenwood University should contact both the Office of Academic Services and the Financial Aid Office. In order to receive the proper refund, any notification of withdrawal or cancellation and requests for

refund should be made in writing. To begin the withdrawal process, students should submit a completed withdrawal form to the Office of Academic Services located in the lower level of Roemer Hall. The office hours are Monday-Thursday, 8 a.m. until 6 p.m., Friday, 8 a.m. until 5 p.m., and Saturday, 8 a.m. until 4 p.m.

Calculations of the return of Title IV aid or tuition adjustments will be based on the last date of attendance for the term in which the student attends and withdrawals. A student who receives Title IV aid while attending Lindenwood University and withdraws during the first 60 percent of the term will be disbursed Title IV aid in direct proportion to the length of time he/she remains enrolled. A student who remains enrolled beyond the 60 percent point of the term will not be entitled to a return of Title IV aid.

All students are subject to the Lindenwood University refund calculation as described below. If any student withdraws prior to the beginning of a term, all payments for that term, except the initial \$300 non-refundable room reservation deposit, will be refunded. The refund policy for tuition, including overload charges for semesters schedule, is as follows:

- Withdrawal during 1st two weeks of term 75%
- Withdrawal during 3rd week of term 50%
- Withdrawal during 4th week of term 25%
- Withdrawal after 4th week of term no refund

No refund for room charges will be made for a term after the student signs either a New Student Housing Application or a Returning Student Housing Application. Application, activity, lab, miscellaneous fees, and room reservation deposits are nonrefundable, except as indicated under "Enrollment Deposit" and above.

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 be addressed to the Business Office controller. In order to appeal a decision, the student must submit a written request to the Business Office controller including any evidence that would substantiate the appeal.

Refund Distribution of Financial Aid

After the amount of the refund has been calculated, the Financial Aid Office will determine the Title IV refund amounts according to the calculation schedule approved by the secretary of education. Refunds to specific Title IV programs will be made to the following programs in the order outlined: (1) Outstanding balances on FFEL Program Loans (Unsubsidized Stafford, Subsidized Stafford); (2) Federal Perkins Loans; (3) PLUS; (4) Federal Pell Grant awards; (5) Federal SEOG awards; (6) other Title IV student assistance; (7) other federal, state, private or institutional aid; and (8) the student. No Title IV program may receive a portion of the federal refund amount if that program was not part of the student's original package.

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) which 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.

- Withdrawal during 1st two weeks of term. 75%
- Withdrawal during 3rd week of term. 50%
- Withdrawal during 4th week of term. 25%
- Withdrawal after 4th week of term No Refund

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 below. Institutional awards and grants are offered in the areas of academics, leadership, athletics, and the fine arts.

The Lindenwood University financial aid program provides assistance to students with financial need who would otherwise be unable to receive an undergraduate education. The primary responsibility for paying the student's education expenses rests with the student and his/her family, and the university expects both the student and his/her 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.

What the student is expected to pay is determined by a standard analysis of the financial statement the student and his/her family must file. Lindenwood University uses the Free Application for Federal Student Aid (FAFSA) to determine eligibility for all Title IV and institutional assistance.

Lindenwood does not require students to fill out supplementary fee-based forms to determine eligibility for institutional financial aid. All students wishing to receive Title IV aid must submit a valid set of Student Aid Reports or a valid ISIR (Institutional Student Information Record) that results from the processing of the FAFSA and must complete any required verification. Financial need is calculated as the difference between the cost of attendance and the expected family contribution from the student and his/her parent(s). Financial aid is an award from grant, 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 the student accounts at least once each term.

To be considered for financial assistance, a student applying for need-based aid must complete a FAFSA (Free Application for Federal Student Aid) online at www.fafsaed.gov. The LU school code is 002480. Students are reminded to press "print" because that is what submits the application. Students should then FAX submission results to the attention of their admissions counselors at 636-949-4989. If students have any questions about their SAR (Student Aid Report), they are encouraged to call 1-800-433-3243.

Scholarships

A variety of scholarships are awarded to students who have excelled in fields of study, community activities, the arts, or athletic competition. Lindenwood University's admissions counselors can advise prospective students of the full program of scholarship availability. Although Lindenwood University scholarships and grants are credited in total at the beginning of each term, they are actually earned as tuition and room and board charges are incurred. Therefore, tuition, room, and board charges that are reduced as a result of being unearned will automatically result in an immediate proportional reduction of the Lindenwood University scholarship or grant as also being unearned. All institutional aid will be reduced in accordance with the student's reduced charges.

Lindenwood University undergraduate grants/scholarships are intended for and may only be used for undergraduate programs; they are not intended for, and may not be used for, graduate programs.

Older Student and Institutional Grants

Lindenwood University offers a 50 percent scholarship to all persons age 55 and over. The university also offers partial institutional grants for employees of selected companies, municipalities, and school systems. These grants apply to the tuition for credit classes and do not apply to courses that are audited. Any other funding may first replace the Lindenwood University funding.

Student Employment

Most full-time resident students are able to defray a portion of their university costs by participating in the Lindenwood University Work and Learn Program on campus. Generally, compensation that would otherwise be provided for this work is instead credited against the student's account. If the student chooses not to participate in the Work and Learn program or to complete his/her work study, the balance is payable to the Business Office at that time.

Types of Federal Financial Aid

Federal Pell Grant Program

Eligibility is determined by the Pell Grant processor and is based on a student's Estimated Family Contribution (EFC). The student must submit the Free Application for Federal Student Aid (FAFSA) and request that pertinent financial data be sent to the Pell Grant processing agency for determination of eligibility. The results are forwarded to the student in the form of a Student Aid Report (SAR) Electronic filing results will be sent directly to the institution in the form of an Institutional Student Information Record (ISIR).

Federal Supplemental Equal Opportunity Grant (FSEOG)

Eligibility for this grant depends upon the extent of a family's inability to pay the educational costs. It is determined by an analysis of the family's financial situation, as reflected on the Student Aid Reports.

Federal Work-Study Program (FWS)

This program provides work opportunity for needy students. Eligibility is dependent upon 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 10 hours per week while attending school. Wages are \$8 per hour.

Federal Perkins Loans

This is a federal loan to students at an interest rate of five percent repayable nine months after graduation, after termination of an academic program, or after enrolling for fewer than six credit hours during a semester. Students may borrow up to \$5,500 per year to an aggregate maximum of \$11,000 for freshman and sophomores and \$27,500 for juniors and seniors, and \$8,000 per year to an aggregate maximum of \$60,000 as a graduate student. Repayment extends over a maximum of 10 years at a minimum monthly payment of \$40. This loan is administered by Lindenwood University and does not require a separate application other than the FAFSA. Availability of this loan is at the discretion of the dean of admissions and financial aid.

Federal Loan Programs Direct Subsidized Federal Stafford Loan

The federal government guarantees loans from \$3,500 to

\$5,500 for eligible undergraduates and up to \$8,500 for eligible graduate students per academic year. These loans are made by the Department of Education and interest is subsidized.

Eligible Stafford Borrower Limits: Undergraduate Study

1st year of study	\$3,500/academic year
2nd year of study	\$4,500/academic year
3rd, 4th & 5th years of study	\$5,500/academic year
Cumulative limit	\$23,000
Graduate study	\$8,500/academic year
Cumulative limit (including undergraduate study)	\$65,500

For undergraduate borrowers who have loans that were originated between July 1, 2011, and June 30, 2012, the interest rate on the Stafford Loan is fixed at 3.4 percent. For graduate borrowers who have loans that were originated between July 1, 2011, and June 30, 2012, the interest rate on the Stafford Loan is fixed at 6.8 percent. Students must file the FAFSA to determine eligibility for a Stafford Loan.

Unsubsidized Federal Stafford Loan

Students who meet the eligibility requirements under section 484 of the Higher Education Amendments and who do not qualify for interest subsidies under the Stafford Loan program may borrow under the Unsubsidized Stafford Loan program. Similar to the Federal Subsidized Stafford Loan program, the Unsubsidized Stafford Loan is available to all eligible students, and students must complete a valid need analysis.

Unsubsidized Stafford Loans are not need based; however, any interest accruing on the loan is not subsidized (or paid) by the federal government while the student is in school. Students must therefore pay the interest payments while in school.

Federal Parent Loans to Undergraduate Students (FPLUS)

Parents may borrow for dependent undergraduate or dependent graduate and professional students. The maximum amount a parent may borrow on behalf of each eligible student is limited to the cost of education, less financial aid. These loan limits do not include amounts borrowed by a student under the FSL programs. FPLUS loans do not qualify for interest subsidy. The FPLUS interest rate for a loan originated between July 1, 2011, and June 30, 2012, is fixed at 7.9 percent.

Unsubsidized Loan (Formerly SLS)

Unsubsidized loans to dependent students provide for a maximum of \$2,000 per year for undergraduate study, with an aggregate loan limit of \$8,500. Independent students can borrow \$6,000 per year for the first two years of study and \$7,000 per year for the third or subsequent years, with an aggregate loan limit of \$34,500. Graduate students can borrow up to \$12,000 per year with an aggregate loan limit of \$73,000.

Loans made under the unsubsidized loan program are not eligible for interest subsidy. Students must therefore pay this interest payment while in school, or allow the interest to capitalize. The interest rate for a loan originated between July 1, 2011, and June 30, 2012, is fixed at 6.8 percent.

Loan Limits

Pursuant to P.L. 101-508, Lindenwood University reserves the right to refuse to certify a loan application, or to reduce the amount of the loan, in individual cases where the institution determines that the portion of the student's costs covered by the loan could more appropriately be met directly by the student. In addition, requested loan amounts will be reviewed to ensure compliance with educational purpose regulations.

Loan Repayment

Student loans are funds borrowed by students to pay educational expenses. Student loans must be repaid, as consistently emphasized in the university's student loan entrance and exit interviews, for both the Federal Perkins Loan Program and the Federal Stafford Loan Program are required by 34 CFR 672.42 and CFR 682.04, respectively.

A sample loan repayment schedule may be obtained by contacting the Financial Aid Office. The term and conditions whereby borrowers under the Direct Loan Program may obtain deferral of their principal and interest are reviewed during the student loan exit interview.

Additional information regarding a deferment may be obtained by contacting the student loan guarantor or the Financial Aid Office.

Types of 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 (formerly known as Charles Gallagher Student 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 <http://www.dhe.mo.gov/accessmo.shtml> 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.

Marguerite Ross Barnett Memorial Scholarship Program

This program is available to eligible students who are enrolled part-time and who are employed for at least 20 hours a week. Students interested in this program should visit the Missouri Department of Education website at <http://www.dhe.mo.gov> for eligibility criteria.

Vocational Rehabilitation

Assistance may be available for students with disabilities. Students should contact their regional office of Vocational Rehabilitation in regard to benefits.

Montgomery G.I. Bill, MOARG, ROTC

Lindenwood assists qualified students in obtaining financial assistance for their education through the various military funding sources. Missouri Army National Guard 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 G.I. Bill, and Kicker. Information is available from the V.A. coordinator.

Veterans' Benefits

Veterans who believe they may be eligible for benefits can receive information and applications through the V.A. coordinator at the university. Educational assistance is also provided to widows or children of veterans who died in service or as a result of service related injuries. Wives and children of disabled veterans are also eligible for assistance.

It is the responsibility of the students to notify the V.A. coordinator of any changes in their class schedules. The Registrar's Office promptly reports to the Veterans Administration when notified that a veteran is making unsatisfactory progress or has withdrawn from a class or from studies.

Because of requirements imposed by the Veterans Administration, and as a condition of being certified to receive benefits from the V.A., the student receiving such benefits acknowledges the following policies which may differ from those required of other students at Lindenwood:

1. The university will notify the V.A. of all terminations, interruptions, or changes in semester-hour load within 30 days. This may change the benefits available to the student.
2. The student accepts the responsibility of notifying the Registrar, the V.A. coordinator at the university, and his/her advisor immediately in case of withdrawal from any course.
3. The student accepts the responsibility of notifying his/her instructors of any expected absence from class. A student may be withdrawn by the university for excessive absences.
4. The Veterans Administration will be informed that progress is no longer satisfactory with the accumulation of 12 or more hours of "F" grades.
5. LCIE students receiving benefits through the Veterans Administration must comply with the university's general policies regarding withdrawal, attendance, and satisfactory progress.

Satisfactory Progress

Students wishing to apply for and receive Title IV assistance must meet specific academic progress requirements in order to maintain Title IV financial aid eligibility. Satisfactory academic progress requires that a student must accumulate a minimum number of credit hours over a maximum number of enrollment periods and a minimum cumulative grade point average for each period of attendance.

The minimum cumulative grade point average (GPA) is listed below. Satisfactory progress is based on the following maximum academic terms (semesters or quarters) and earned credit hours per term. Transfer credit hours that are accepted by Lindenwood University will count as both attempted and completed hours.

Full-time Students – Undergraduate College

To be considered a full-time student at the undergraduate level, a semester student must be enrolled in a minimum of 12 credit hours of coursework. Undergraduate quarter students must be enrolled in a minimum of 9 credit hours of coursework.

At the end of each term of enrollment, all students must successfully complete a minimum number of credit hours towards graduation. The chart below indicates the minimum number of credit hours that must be completed for a student to retain full-time status. This requirement is in addition to the semester enrollment requirement listed above.

Academic Semesters Completed	Minimum Earned Credit Hours	Cumulative GPA
1	8	1.7
2	16	1.8
3	26	1.9
4	36	2.0
5	46	2.0
6	57	2.0
7	68	2.0
8	80	2.0
9	92	2.0
10	104	2.0
11	116	2.0
12	128	2.0

Part-time undergraduate students must successfully complete at least 50 percent of their credit hours attempted and have academic standing at the point in the program that is consistent with Lindenwood University's requirement for graduation.

Failure to maintain minimum academic progress will result in a student being ineligible to receive Title IV financial assistance following one financial aid warning term (semester or quarter).

Financial Aid Warning/Suspension Reinstatement

If a student fails to meet the minimum requirements as stated, the student will be placed on financial aid warning for the next succeeding term (semester or quarter) of enrollment. If at the end of the financial aid warning term the student does not meet the minimum requirements, the student will be placed on financial aid suspension and will not be eligible for financial aid reinstatement until the minimum cumulative requirements of the policy are attained. Students placed on warning or suspension will have their Lindenwood University Institutional Grant reevaluated.

Withdrawal from the university has no effect on the student's satisfactory progress upon re-entering.

Appeals

A student has the right to appeal if he/she feels that he/she has complied with the requirements of the satisfactory academic progress policy or believes that there are factors such as undue hardship because of the death of a relative, an injury or illness, or similar special circumstances that could affect the decision or that said decision was not correctly made. To appeal a financial aid suspension, the student must submit an appeal letter with supporting documentation to the Director of Financial Aid. If the student's appeal is granted, the student will be placed on financial aid probation and will have the next succeeding term of enrollment (semester or quarter) to meet the minimum requirements stated above. If the appeal is denied, the student will be ineligible to receive Title IV aid until the academic requirements are met.

Out of Classroom Life

The fabric of a learning community weaves itself whole. To bridge formal and out-of-classroom learning, the Student Development Office—in collaboration with the LSGA—promotes programs, services, and diverse opportunities for personal growth and development.

Lindenwood University currently serves nearly 17,000 students in more than 121 undergraduate and graduate degree programs. Resident students live on the 500-acre, wooded, highly attractive campus within a large metro area that offers almost unlimited cultural, recreational, entertainment and service opportunities.

Built in 1929, Margaret Leggat Butler Library is a beautiful building full of character and tradition meant to provide an environment for scholarly pursuit. The library contains a balanced collection of books, periodicals, online resources, and other instructional and media resources. The materials in the library exist to support the curricular offerings of the university as well as the idea of reading and research as essential skills for the lifelong learner. In addition to the traditional offerings at Butler Library, students are encouraged to stop in for a cup of coffee and a snack at the library's coffee shop, Java 201.

Butler Library is fully automated with wireless capabilities, allowing students to access its resources both on campus and off campus. Faculty and students have access to more than 50 subscription databases providing them with the ability to retrieve full-text documents at no cost. In addition, the library houses the Mary E. Ambler Archives, which includes primary source material documenting the history of Lindenwood and the surrounding area.

The Library is a member of the MOBIUS consortium. MOBIUS provides students access to over 14 million book titles throughout the state of Missouri. If an item is not available through MOBIUS, patrons may use Butler Library's Inter-Library Loan service.

Butler Library's dedicated staff is available to help patrons navigate the wealth of traditional print and electronic resources that it offers. The library staff has developed a series of workshops, class presentations, and study guides to assist users. In addition, the Lindenwood librarians are available during all library hours to assist patrons with whatever their research needs might be. Reference librarians may be contacted in person, by phone, or by email.

Tutoring Services

Most academic areas have tutors who complete their Work and Learn hours by helping other students understand course material. The complete list of tutors is available on PCCCommon. Students are also encouraged to ask their classroom professors about possible tutoring assistance.

Lindenwood Student Government Association

All students at Lindenwood, full-time and part-time, undergraduate or graduate are encouraged to participate in the Lindenwood Student Government Association (LSGA). The LSGA works to promote structure for student expression and self-government. Members of the LSGA play a strong role in the academic and administrative decision-making process of the university through representation in various planning governance committees. For more information about LSGA, please contact the Student Development offices.

Residence Halls

Each Lindenwood residence hall has a distinct atmosphere meant to extend and enhance the university's classrooms. Resident directors and advisors provide support for students on a day-to-day basis.

Student Health Center

The Sisters of St. Mary (SSM) Student Health Center serves on-campus resident students for a variety of medical conditions, from flu-like symptoms and minor injuries to physical examinations and immunizations. The clinic has an on-site nurse practitioner to assist students with their healthcare needs. Walk-ins are welcome, but students with appointments take first priority. It is located in the Connection Center on the first floor of the Spellmann Center.

Athletics

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

Lindenwood was accepted by the National Collegiate Athletic Association (NCAA) into Candidacy membership in July 2010. Provisional membership is anticipated in July 2012, followed by full membership tentatively projected in July 2013. Lindenwood has been accepted in the Mid-America Intercollegiate Athletics Association (MIAA) conference and will begin competition in Fall 2012. The university plans to sponsor baseball, basketball, cross country, field hockey, football, golf, women's gymnastics, women's ice hockey, indoor and outdoor track and field, lacrosse, soccer, softball, swimming and diving, tennis, volleyball, and men's wrestling in NCAA Division II.

Intercollegiate athletics programs not associated with the NCAA will compete under the Student Life Sports umbrella, created by Lindenwood to offer all non-NCAA sports programs a central institutional oversight and offering every sport a potential post-season championship opportunity in the national governing body for each of the sports programs. These programs include bowling, cheerleading, cycling, dance line, men's ice hockey, roller hockey, rugby, shotgun (clay, skeet, trap), synchronized skating, synchronized swimming, table tennis, water polo, weight lifting (Olympic), and women's wrestling.

Religious Life

Lindenwood University enjoys a historical relationship with the Presbyterian Church (USA). The university fosters an ecumenical spirit that celebrates the wide range of religious traditions represented on a campus. Students wishing to worship can find religious services of all major faiths within the greater St. Louis area.

Campus Tobacco Use

The use of both smoking and smokeless tobacco is prohibited in all buildings on campus. This includes classrooms, laboratories, hallways, offices, restrooms, residence halls and lounges. Smoking areas outside of buildings are marked. No smoking is allowed in front of entry doors to buildings unless otherwise indicated by signage.

KCLC – FM 89.1 (HD-1 and HD-2)

Students may participate in the operation of the Lindenwood all-digital radio station, KCLC-FM (HD-1), through the School of Communications. A 50,000-watt stereo facility, KCLC is the principal local radio station in St Charles County and performs a major role in community affairs, entertainment programming, local news gathering, and sports broadcasting. KCLC-FM (HD-2) is the secondary digital signal, and provides another format for the community and additional student opportunities. Both stations are available on the internet.

Lindenwood University LUTV, All-Digital Television Channel

Students have the opportunity to conduct practica and internships in the context of the Lindenwood Higher Education Television Channel. St. Charles County's only higher education TV venue offers original programming designed to provide educational experiences and cultural enrichment for persons of all ages in Charter Communications' St. Charles County broadcast area.

Firearms Policy

No person is permitted to carry firearms or other weapons — either concealed or visible — on Lindenwood property or to any Lindenwood class (offered anywhere), except duly sworn law enforcement officers who are on duty. Off-duty police officers may carry completely concealed weapons to their Lindenwood classes only if authorized to do so by their employer and the state of Missouri or Illinois.

Campus Accessibility

It is the guiding philosophy of Lindenwood University to make programs and facilities as accessible to students with disabilities as is practical. The coordinator for campus accessibility services acts to ensure the accessibility of programs and assists and supports students with disabilities.

Each student is encouraged to serve as her or his own advocate and to be responsible for obtaining special services offered by the university. If the coordinator is unable to satisfy a reasonable request, that request may then be directed to the dean of academic services.

Conferences

The university offers a variety of services and accommodations to community groups, religious organizations, businesses, and trade and professional organizations on campus and at our off-campus sites. Many conferences, workshops, meetings and community events are held each year at the various Lindenwood facilities.

Lionmail

It is every student's responsibility to check his/her Lindenwood Lionmail email account. Important messages including academic standing and financial aid reminders are sent via Lionmail. Students will be held accountable for any information or due dates sent via the campus email system. Lionmail accounts are available for all students and may be accessed by contacting the Computer Services department.

Abuse of Student Portals

Any student who gains unauthorized entrance to another's student's portal, makes changes to another student's schedule via the student portal, or otherwise tampers with or compromised 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.

2011-2012 Academic Calendar

2011-2012 Academic Calendar (Semester Schedule)

Fall Semester 2011

International Student Orientation and Check-in	August 15
Faculty Workshops	August 15-19
Freshman Orientation Check-in	August 17
Freshman Orientation	August 17-21
Fall Residential Check-In	August 20-21
Classes Begin	August 22
Freshman Convocation 4:00 PM	August 24
Last day to register for or add class, or choose audit	August 26
Labor Day Holiday	September 5
Last day to withdraw with "W"	September 30
Late Start Classes begin	October 3
Last Day to Register for a Late Start Class	Before the third day of class
Midterm Grades due, noon	October 10
Last date to withdraw with "WP"/"WF"	October 28
Spring semester and J-Term registration for Seniors	November 7
Spring semester and J-Term registration for Juniors	November 10
Spring semester and J-Term registration for Sophomores	November 15
Spring semester and J-Term registration for Freshmen	November 17
Faculty In-service Day- no classes held except for MBA and LCIE evening classes	November 23
Thanksgiving Holiday	November 24-25
Last Day of Classes	December 2
Final Exams	December 5-9
Deadline for making up INC grades from Spring	December 9
Lindenwood residential semester student housing closes at 4:30 PM	December 9
Final Grades due, 5:00 p.m.	December 13
Deadline to apply for March/May/June Graduation	December 30

January Term 2012

Last Day to register for J-Term class	December 27
J-Term Residential Check-In	January 2
Classes Begin	January 3
Days on which J-Term classes will meet	January 3-6, 9-12, 16-19
Last day to withdraw with a "W"	January 12
Last day of class	January 19
Final Grades due, 5:00 p.m.	January 23

Spring Semester 2012

International Student Orientation and Check-in	January 16
New Student Registration/Orientation- Residential Housing Opens	January 21
Spring Residential Check-In	January 22
Classes Begin	January 23
Last day to register, add a class, or choose an audit	January 27
Sibley Day	February 22
Deadline to apply for August Graduation	February 28
Last day to withdraw with a "W"	March 2
Late Start classes begin	March 5
Last day to register for a Late Start Class	Before the third day of class
Midterm Grades due, noon	March 12
Fall Semester Registration and Housing Sign-up – Seniors	March 12
Fall Semester Registration and Housing Sign-up- Juniors	March 15
Fall Semester Registration and Housing Sign-up – Sophomores	March 20
Fall Semester Registration and Housing Sign-up- Freshmen	March 22
Spring Break	March 24- April 1
Last day to withdraw with a "WP" or "WF"	April 5
Good Friday – no classes will meet	April 6
Honors Convocation	April 22
Last Day of Classes	May 4
Final Exams	May 7-11
Deadline for making up "INC" grades from Fall	May 11
Lindenwood Residential Housing closes at 4:30 p.m.	May 11
Baccalaureate Ceremony and Graduate Students' Commencement 7:00 p.m.	May 11
Undergraduate Commencement 10:00 a.m.	May 12
Final Grades due, 5:00 p.m.	May 15
Deadline to apply for October/December Graduation	May 30

2011-2012 Academic Calendar *continued*

Undergraduate Summer 2012

** Schedules may vary by course

Session 1	May 14-June 8
Session 2	June 11-July 6
Session 3	July 9-August 3

2011-2012 Academic Calendar (Quarter Schedule) Summer Quarter 2011

LCIE Continuing Undergraduate Student Opening Session (6:00 p.m.)	July 5-9
LCIE New Undergraduate and Graduate Student Opening Session (8:00 a.m.)	July 9
Traditional quarter undergraduate classes begin	July 11
Last day to drop with a "W"	July 22
Last Day to Choose an Audit	August 5
Midterm grades due, 5:00 p.m.	August 19
Last day to withdraw from a class with a "WP/WF"	August 26
Labor Day Holiday	September 5
Quarter Ends	September 24
Deadline for making up "INC" from previous term	September 24
Final grades due, 5:00 p.m.	September 26

Fall Quarter 2011

LCIE Continuing Undergraduate Student Opening Session (6:00 p.m.)	September 26-October 1
LCIE New Undergraduate and Graduate Student Opening Session (8:00 a.m.)	October 1
Traditional quarter undergraduate classes begin	October 3
Last day to drop with a "W"	October 14
Last Day to Choose an Audit	October 28
Midterm grades due, 5:00 p.m.	November 11
Last day to withdraw from a class with a "WP/WF"	November 18
Faculty In-service Day-LCIE classes meet as scheduled	November 23
Thanksgiving holiday	November 24-25
Lindenwood residential quarter/graduate housing closes at 6:00 p.m.	December 17
Quarter ends	December 17
Deadline for making up "INC" from previous term	December 17
Final grades due, 5:00 p.m.	December 19
Deadline to apply for March, May, June graduation	December 30

Winter Quarter 2012

LCIE Continuing Undergraduate Student Opening Session (6:00 p.m.)	January 2-7
LCIE New Undergraduate and Graduate Student Opening Session (8:00 a.m.)	January 7
Traditional quarter undergraduate classes begin	January 9
Last day to drop with a "W"	January 20
Last Day to Choose an Audit	February 3
Midterm grades due, 5:00 p.m.	February 17
Last day to withdraw from a class with a "WP/WF"	February 24
Deadline for making up "INC" from previous term	March 24
Quarter ends	March 24
Final grades due, 5:00 p.m.	March 26
Deadline to apply for September graduation	March 30

Spring Quarter 2012

LCIE Continuing Undergraduate Student Opening Session (6:00 p.m.)	April 2-7
LCIE New Undergraduate and Graduate Student Opening Session (8:00 a.m.)	April 7
Traditional quarter undergraduate classes begin	April 9
Last day to drop with a "W"	April 20
Last Day to Choose an Audit	May 4
Baccalaureate Ceremony and Graduate Students' Commencement 7:00 p.m.	May 11
Undergraduate Commencement 10:00 a.m.	May 12
Midterm grades due, 5:00 p.m.	May 18
Last day to withdraw from a class with a "WP/WF"	May 25
Memorial Day-no classes	May 28
Deadline to apply for December graduation	May 30
Deadline for making up "INC" from previous term	June 23
Quarter ends	June 23
Final grades due, 5:00 p.m.	June 25
Deadline for making up "INC" from previous term	September 23
Quarter ends	September 24
Final grades due, 5:00 p.m.	September 26

2011-2012 Academic Calendar *continued*

2011-2012 Academic Calendar (5-Term MBA Program)

Fall 1, 2011

International Student move-in dates	August 5 & 8
International Student Orientation	August 9-12
Classes Begin	August 15
Last Day to Withdraw with a "W"	August 26
Labor Day Holiday	September 5
Last Day to Choose an Audit	September 6
Last Day to withdraw with a "WP/WF"	October 23
Final Exams	October 10-15
Deadline for making up "INC" grades from Summer	October 15
Fall 1 Term Ends	October 15
Final Grades Due, 3:00 p.m.	October 17

Fall 2, 2011

International Student move-in dates	October 7 & 10
International Student Orientation	October 11-14
Classes Begin	October 17
Last Day to Withdraw with a "W"	October 28
Last Day to Choose an Audit	November 7
Last Day to withdraw with a "WP/WF"	November 22
Thanksgiving Break	November 24-25
Final Exams	December 12-17
Deadline for making up "INC" grades from Fall 1	December 17
Fall 2 Term Ends	December 17
Final Grades Due, 3:00 p.m.	December 19
Deadline to apply for March/May/June graduation	December 30

Spring 1, 2012

International Student move-in dates	Dec 30 & Jan 3
International Student Orientation	January 4-6
New Year's Day observed	January 2
Classes Begin	January 9
Last Day to Withdraw with a "W"	January 20
Last Day to Choose an Audit	January 30
Last Day to withdraw with a "WP/WF"	February 17
Deadline to apply for August graduation	February 28
Final Exams	March 5-10
Deadline for making up "INC" grades from Fall 2	March 10
Spring 1 Term Ends	March 10
Final Grades Due, 3:00 p.m.	March 12

Spring 2, 2012

International Student move-in dates	March 2 & 5
International Student Orientation	March 6-9
Classes Begin	March 12
Spring Break	March 25- April 1
Last Day to Withdraw with a "W"	March 23
Last Day to Choose an Audit	April 9
Easter Break	April 6-8
Last Day to withdraw with a "WP/WF"	April 27
Baccalaureate Ceremony and Graduate Student Commencement 7:00 p.m.	May 11
Final Exams	May 14-19
Deadline for making up "INC" grades from Spring 1	May 19
Spring 2 Term Ends	May 19
Final Grades Due, 3:00 p.m.	May 21
Deadline to apply for October/December graduation	May 30

2011-2012 Academic Calendar *continued*

2011-2012 Academic Calendar (5-Term MBA Program) (continued) **Summer, 2012**

International Student move-in dates	May 18 & 21
International Student Orientation.....	May 22-25
Memorial Day Holiday	May 28
Classes Begin.....	May 29
Last Day to Withdraw with a “W”.....	June 8
Last Day to Choose an Audit.....	June 18
Independence Day Holiday	July 4
Last Day to withdraw with a “WP/WF”	July 6
Final Exams	July 24-28
Deadline for making up “INC” grades from Spring 2.....	July 28
Summer Term Ends	July 28
Final Grades Due, 3 p.m.....	July 30

PROGRAM DESCRIPTIONS

SCHOOL OF AMERICAN STUDIES

DEPARTMENT OF AMERICAN STUDIES (MR. ANDY THOMASON, CHAIR) PROGRAM DESCRIPTION

The Department of American Studies offers a Bachelor of Arts in American Studies along with a Minor in American Studies. American Studies scholarship seeks to explain or interpret the many fluid, shifting cultures comprising the United States by examining them from a variety of perspectives. In doing so, it employs a broad selection of theories, methods, and practices that aid the analysis and interpretation of the American experience and its cultural development. American Studies is comparative and looks beyond the physical borders of the United States at those which have influenced and continue to influence American thought and behavior. It examines literary texts and employs historical analysis and critical perspectives from the humanities, social sciences, political science, legal studies, film and visual studies, and even biology; all are appropriate to an American Studies curriculum. Consequently, American Studies graduates are attractive to a broad range of careers, including those in business, law, libraries, museums, government, journalism and other media, community activism, and social services. An American Studies degree also prepares students for further study in graduate school in a variety of disciplines.

Bachelor of Arts in American Studies (52 credit hours)

All students must complete the following AST core courses: AST 20100, AST 20200, AST 20300, and AST 40000.

Along with the core requirements, students must complete 40 credit hours from the following courses: ANT 21000, ANT 21500, ART 35900, AST 12100, AST 12200, AST 12300, AST 18000, AST 18600, AST 18700, AST 21200, AST 23000, AST 26500, AST 28600, AST 28610, AST 28620, AST 28630, AST 38000, AST 38101, AST 38102, AST 38103, AST 38600, AST 38700, AST 38800, COM 37000, ECON 33000, ENG 27600, ENG 27800, ENG 33700, ENG 34500, ENG 34700, ENG 38000, ENG 38100, HIS 10500, HIS 10600, HIS 20300, HIS 20700, HIS 21400, HIS 30800, HIS 30900, HIS 31000, HIS 31200, HIS 31400, HIS 31500, HIS 31600, HIS 31700, HIS 31800, HIS 32000, HIS 32200, MUS 10500, NPA 30000, NPA 30300, NPA 35000, NPA 35100, NPA 36000, NPA 37100, NPA 38500, PS 15600, PS 31100, PS 35100, and PS 36000. In addition, all American Studies majors must take the following courses to fulfill their General Education requirements: ANT 11200, ENG 23500, ENG 23600, (HIS 15500 or PS 15500), MTH 14100, and REL 20200.

Minor in American Studies (21 credit hours)

A minor in American Studies requires the following courses: AST 20100, (HIS 10500 or 10600); (ENG 23500 or ENG 23600), ART 35900, REL 20200, and two electives selected from: PS 15500, PS 15600, REL 15000, and MUS 15000.

DEPARTMENT OF RECREATION LEADERSHIP (MR. JOE LOVELL, CHAIR) PROGRAM DESCRIPTION

The Department of Recreation Leadership offers both a Bachelor of Arts degree and a minor. The REC program

is dedicated to promoting healthy lifestyles in society by developing students' understanding and ability to plan, organize, and facilitate challenging and rewarding recreation and leisure experiences in preparation for future careers in the parks, recreation and leisure field. Students will gain the knowledge and skills needed for positions of leadership in private, nonprofit, commercial, municipal/government or military organizations, youth agencies, county, state, and national parks and/or religious and educational institutions. A minor in Recreation Leadership compliments such majors as business, behavioral sciences, environmental sciences, Christian ministry studies, nonprofit administration, physical education, sport management, fine and performing arts, and education. A Recreation Leadership degree also prepares students for further study in graduate school in a variety of disciplines.

Bachelor of Arts in Recreation Leadership (51-61 credit hours)

All students must complete the following courses: REC 10200, REC 15700, REC 20600, REC 22000, REC 30500, REC 31000, REC 36200, REC 38100, REC 39800, REC 41000, REC 49800, (REC 29200 or PE 16000), and MTH 14100.

Plus 15 credit hours of electives from the following courses: REC 20300, REC 28600, REC 28700, REC 28900, REC 32300, REC 32400, REC 32500, REC 32600, REC 38000, REC 38300, REC 38600, REC 38700, REC 38900, REC 39000, REC 47000, REC 47200, REC 47600, REC 48900, REC 49000, REC 49100, REC 49300, REC 49400, REC 49500, REC 49600, REC 49700, ART 20000, ART 24000, ART 35000, ART 38500, AST 20300, AST 21200, AT 43100, MGMT 26032, MRKT 35010, SPMGT 35900, CMS 30500, COM 30500, COM 33400, COM 44300, EDU 20200, ESC 20000, EXS 30000, EXS 43000, HRM 36500, HRM 36510, NPA 30000, NPA 30200, NPA 30300, NPA 35000, NPA 35100, NPA 36000, NPA 37100, PE 20000, PE 30000, PE 31800, PE 32000, PE 34900, PE 40000, PS 33500, PSY 22000, PSY 33400, SW 35000, TA 20700, and TA 21000.

Students may apply 3 credit hours of basic skill courses towards the REC electives. This would include any combination of the following courses: REC 11300, REC 12000, REC 12100, REC 12200, REC 12300, REC 12400, REC 12500, REC 12600, REC 12700, REC 12800, REC 13600, REC 13700, REC 14400, REC 14500, REC 14800, REC 14900, REC 15200, REC 15800, REC 15900, REC 16200, REC 18600, REC 18700, REC 18900, REC 26200, PE 10000, PE 10100, PE 10200, PE 10300, PE 10400, PE 10500, PE 10600, PE 10700, PE 10800, PE 10900, PE 11000, PE 12000, PE 12100, PE 12600, PE 12700, PE 12900, PE 13000, PE 13100, PE 13200, PE 13300, PE 13400, PE 13500, PE 13800, PE 13900, PE 14000, PE 14100, PE 14200, PE 14300, PE 15100, PE 15400, PE 15500, PE 15600, and PE 15700.

Students majoring in recreation leadership must take the recreation professional exam during their final semester on campus to complete the degree requirements. The recreation professional exam is scheduled by the department chair.

Minor in Recreation Leadership (21 credit hours)

Students must complete the following courses: REC 10200, REC 31000, REC 36200, and REC 41000, plus three credit hours of basic skills from the following courses: REC 11300, REC 12000, REC 12100, REC 12200, REC 12300, REC 12400, REC 12500, REC 12600, REC 12700, REC 12800, REC 13700, REC 14400, REC 14500, REC 14800, REC 14900, REC 15200, REC 15800, REC 15900, REC 16200, REC 18600, REC 18700, REC 18900, and REC 26200.

Students must also complete six credit hours from the following courses: REC 15700, REC 20300, REC 20600, REC 22000, REC 28600, REC 28700, REC 28900, REC 30500, REC 32300, REC 32400, REC 38000, REC 38100, REC 38300, REC 38600, REC 38700, REC 38900, REC 39000, REC 47000, REC 47200, REC 48900, REC 49000, REC 49100, REC 49300, REC 49400, REC 49500, REC 49600, REC 49700, and REC 49800.

Semester with the National Outdoor Leadership School (NOLS)

The affiliate agreement between Lindenwood University and the National Outdoor Leadership School allows students to use appropriate financial aid to help pay for a NOLS semester course and receive credit through the Department of Recreation Leadership at Lindenwood. Credits earned from a NOLS semester would count as elective credits for the Recreation Leadership degree. Students who enroll in a NOLS semester course without the Wilderness First Responder certification would be eligible to receive credit for REC 32500 Outdoor Recreation (3), REC 47200 Outdoor Resource Management (3) and REC 47600 Wilderness Institute (6) for a total of 12 credits. Students who enroll in a NOLS semester course with the Wilderness First Responder certification will be eligible to receive credit for REC 29200 Wilderness First Responder in addition to the courses listed above for a total of 15 credits. Contact the Chair of the Department of Recreation Leadership for more information.

SCHOOL OF BUSINESS & ENTREPRENEURSHIP

Mission Statement

Set forth below, the mission of the ACBSP accredited School of Business & Entrepreneurship complements and expands upon the Lindenwood University mission statement. In furtherance of the University's mission, the School of Business & 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.

Graduate Outcomes

The School of Business & Entrepreneurship provides instruction, knowledge, and experience in an environment that encourages students to develop self motivation and the ethical standards essential to becoming citizens in the global business community. The Lindenwood University School of Business & 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 course work for the furtherance of their professional careers.

Degrees Offered

The SB&E offers a Bachelor of Arts in the following major areas:

Business Administration
Accounting
Economics
Entrepreneurial Studies
Finance
Human Resource Management
International Business
Marketing
Personal Financial Planning
Retail Merchandising
Sport Management

Selecting a Double Major

Students may pursue a major beyond their first SB&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.

Early Access to the MBA Program

Students maintaining an undergraduate GPA of 3.0 or higher may take up to nine semester hours at the graduate level during their senior year. These hours will count toward the MBA degree but not toward the bachelor's degree. Students in the Early Access program must maintain a G.P.A. of 3.0 or higher in all MBA courses.

Emphasis Areas Offered

An emphasis is an area of study that a student may pursue in addition to his or her business major. An emphasis is earned when the student completes an additional 12 credit hours of elective course work (from within a single business discipline) outside of the student's major. Emphases are offered in the following areas:

Accounting
Economics
Entrepreneurial Studies
Finance
Human Resource Management
International Business
Management
Marketing
Retail Merchandising
Sport Management

Minor Areas Offered

Students pursuing undergraduate majors in fields other than those offered by the SB&E may declare a minor in one of the following business areas:

- Business Administration
- Economics
- Retail Merchandising

Degree and Major Requirements

To earn a Bachelor of Arts in a business discipline, students must complete the following requirements:

1. GE business courses (9 credit hours, required for all majors)
2. Core business courses (39 credit hours, required for all majors)
3. Required major courses (credit hours vary by major)
4. Elective major courses (credit hours vary by major; courses are selected from among a list of courses available in the major.*)

*All elective major courses at the 30000 level or above and may require prerequisites.

GE Business Requirements (9 credit hours)

To earn a bachelor of arts in a business discipline, students must complete, with a grade of "C" or better, the following nine credit hours of course work in fulfillment of the General Education requirements:

1. ECON 23020 Microeconomics (GE-SocSci)
2. MTH 14100 Basic Statistics (GE-Math)
3. MTH 13100 Quantitative Methods for Business (GE-Math) or any other math course above MTH 13100—other than MTH 14100

Core Business Courses (39 credit hours)

MGMT 16022 Introduction to Business and Free Enterprise*
ACCT 21010 Principles of Financial Accounting
ACCT 21011 Principles of Managerial Accounting
ECON 23030 Macroeconomics
MIS 24000 Introduction to Information Systems
MGMT 26032 Principles of Management
MGMT 26061 Business Law I
FIN 32000 Principles of Finance
MRKT 35010 Principles of Marketing
MGMT 36033 Introduction to Management Science
INTL 38000 Global Business and Society
MGMT 46082 Management Policy (Capstone Course) **
One of the following Human Resource Management Courses:***
HRM 36500 Organizational Behavior
HRM 36510 Human Resource Management
HRM 36540 Personnel Law

*MGMT 16022 Introduction to Business and Free Enterprise is waived if the student has nine or more credit hours in business course work when entering the program.

**MGMT 46082 is the capstone course, to be taken during the student's last semester of the business program. Note that students pursuing a B.A. in Sport Management will not take MGMT 46082. Sport Management students will fulfill the capstone requirement with SPMGT 47080.

***Students pursuing a B.A. in Human Resource Management

will take all three of these courses, the credit hours for one of which will be applied to the core business requirement.

BUSINESS ADMINISTRATION (MICHAEL MARZANO, D.MGT, INTERIM CHAIR)

Students may obtain a bachelor of arts in business administration, or they may customize their business administration degree by adding an emphasis in a particular area of study.

B.A. in Business Administration (72 credit hours)

A bachelor's in business administration requires the completion of

- Core business and GE business courses (48 credit hours)
- MGMT 36043 Principles of Operations Management
- Seven elective major courses (21 credit hours), selected from any business course at or above the 30000 level, including no more than one Special Topics or Internship course.

Minor in Business Administration (24 credit hours)

Students from majors outside of the School of Business & Entrepreneurship may earn a minor in business administration by completing the following courses: ACCT 21010, ACCT 21011, ECON 23010 (or, if eligible, ECON 23020 or ECON 23030), FIN 32000, MIS 24000, MGMT 26032, MGMT 26061, and MRKT 35010.

ACCOUNTING (KIM BRICKLER, MBA, CHAIR)

Students pursuing a bachelor of arts 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 to meet the Uniform CPA Exam Qualifications. Students wishing to meet these requirements should consult with a faculty advisor to discuss such plans.

B.A. in Accounting (75 credit hours)

- A bachelor's in accounting requires the completion of
- Core business and GE business courses (48 credit hours)
- Seven required major courses (21 credit hours)
ACCT 31020 Financial Accounting and Reporting I
ACCT 31021 Financial Accounting and Reporting II
ACCT 31040 Accounting Information Systems
ACCT 41022 Financial Accounting and Reporting III
ACCT 41030 Introduction to Cost Accounting
ACCT 41050 Income Tax
ACCT 41080 Auditing
- Two elective major courses (6 credit hours), selected from the following options:
ACCT 31090 Special Topics in Accounting
ACCT 41060 Governmental and Nonprofit Accounting
ACCT 41070 Financial Statement Analysis
ACCT 41090 Special Topics in Accounting
ACCT 41095 Internship
MGMT 36062 Business Law II

Emphasis in Accounting (12 credit hours)

An emphasis in accounting, which is earned in addition to the

student's major, requires the completion of 12 credit hours selected from among the following courses: ACCT 31020, ACCT 31021, ACCT 31040, ACCT 41022, ACCT 41030, ACCT 41050, ACCT 41060, ACCT 41070, or ACCT 41080.

ECONOMICS (ANNETTE NAJJAR, PHD, CHAIR)

The economics degree provides students with a solid grounding in economic theory, along with training in applied econometrics. In addition to their specialized training, economics students will receive a well-rounded business education that will prepare them for a wide array of careers in business. Many employers place high value on employees with quantitative skills. Economics training is also excellent preparation for graduate coursework in business, law, or the social sciences.

B.A. in Economics (72 credit hours)

A bachelor's in economics requires the completion of

- Core business and GE business courses (48 credit hours)
- Five required major courses (15 credit hours)
 - ECON 33025 Money and Banking
 - ECON 33040 Intermediate Microeconomics
 - ECON 33045 Intermediate Macroeconomics
 - ECON 43078 Econometrics
 - INTL 48040 International Economics
- Three elective major courses (9 credit hours), selected from the following options:
 - ECON 33030 Economic History of America (GE-SocSci)
 - ECON 33055 Economics and the Environment
 - ECON 33090 Special Topics in Economics
 - ECON 33060 History of Economic Thought
 - ECON 43090 Special Topics in Economics
 - ECON 43095 Economics Internship
 - FIN 32010 Corporate Finance I
 - FIN 32013 Public Finance
 - FIN 42010 Corporate Finance II
 - INTL 48020 International Finance
 - MTH 27100 Calculus I (GE-Math)
 - MTH 27200 Calculus II (GE-Math)
 - PHL 39000 Game Theory
 - PS 31500 Policy Analysis Statistics
 - PS 47500 Governmental and Economic Research

Emphasis in Economics (12 credit hours)

An emphasis in economics, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: ECON 33025, ECON 33030, ECON 33040, ECON 33045, ECON 33060, ECON 33055, ECON 43078, or INTL 48040.

Minor in Economics (24 credit hours)

Students from majors outside of the School of Business & Entrepreneurship may earn a minor in economics by completing the following courses: ACCT 21010, ECON 23020, ECON 33025, and MTH 14100 and any other three courses selected from among the following: ECON 33020, ECON 33030, ECON 33040, ECON 33045, ECON 33050, ECON 33055, ECON 33060, ECON 43078, INTL 48040, or PHL 39000.

ENTREPRENEURIAL STUDIES (JAMES ELDER, MBA, CHAIR)

B.A. in Entrepreneurial Studies (69 credit Hours)

A bachelor of arts in entrepreneurial studies requires the

completion of

- Core business and GE business courses (48 credit hours)
- Three required major courses (9 credit hours)
 - ENTR 37510 Small Business and Entrepreneurship
 - ENTR 47510 Financing Business Ventures
 - ENTR 47520 New Venture Initiation
- Four elective major courses (12 credit hours), selected from the following options:
 - ACCT 31012 Accounting Cycle Analysis
 - ENTR 37590 Special Topics in Entrepreneurial Studies
 - ENTR 47590 Special Topics in Entrepreneurial Studies
 - ENTR 47595 Entrepreneurial Studies Internship
 - HRM 36510 Human Resource Management (if not taken for core)
 - INTL 48010 International Marketing
 - MGMT 36042 Principles of Supply Chain Management
 - MGMT 36062 Business Law II
 - MRKT 35020 Marketing Information and Research
 - MRKT 35030 Pricing Strategy and Negotiations
 - MRKT 35040 Advertising and Promotional Strategy
 - MRKT 35050 Selling
 - MRKT 45060 Relationship Marketing
 - RTAIL 35535 Survey of Retail Operations

Emphasis in Entrepreneurial Studies (12 credit hours)

An emphasis in entrepreneurial studies, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: ENTR 37510, ENTR 47510, and ENTR 47520 and one course from the following: ACCT 31012, HRM 36510 (if not taken for core), INTL 48010, MGMT 36042, MGMT 36062, MRKT 35020, MRKT 35030, MRKT 35040, MRKT 35050, MRKT 45060, or RTAIL 35535.

FINANCE (JAMES BOYD, PHD, CHAIR)

B.A. in Finance (72 credit hours)

A bachelor's in finance requires the completion of

- Core business and GE business courses (48 credit hours)
- Five required major courses (15 credit hours)
 - ENTR 47510 Financing Business Ventures
 - FIN 32010 Corporate Finance I
 - FIN 32020 Investments I
 - FIN 32050 Financial Institution Management
 - INTL 48020 International Finance
- Three elective major courses (9 credit hours), selected from the following options:
 - ACCT 31020 Financial Accounting and Reporting I
 - ACCT 31021 Financial Accounting and Reporting II
 - ACCT 41050 Income Tax
 - ACCT 41070 Financial Statement Analysis
 - ECON 33025 Money and Banking
 - FIN 32013 Public Finance
 - FIN 32030 Consumer Finance
 - FIN 32035 Retirement Planning
 - FIN 32036 Estate Planning
 - FIN 32040 Risk & Insurance
 - FIN 32090 Special Topics in Finance
 - FIN 42010 Corporate Finance II
 - FIN 42020 Investments II
 - FIN 42080 Seminar in Finance
 - FIN 42090 Special Topics in Finance
 - FIN 42095 Finance Internship

B.A. in Personal Financial Planning (72 credit hours)

The bachelor of arts in personal financial planning prepares students for a career in the financial services industry. Personal financial planning includes the core areas of personal financial management: investment planning, estate planning, risk management, retirement planning, employee benefits, and income tax planning. Students will learn to analyze and evaluate the financial planning needs of individuals and small businesses; they will learn how to effectively make recommendations contained in that financial plan. While a degree in personal financial planning prepares and positions students for a career in the financial services industry, the financial planning skills they acquire will serve them no matter what career path they choose.

A bachelor's in personal financial planning requires the completion of

- Core business and GE business courses (48 credit hours)
- Eight required major courses (24 credit hours)
ACCT 41050 Income Tax
FIN 32020 Investments I
FIN 32030 Consumer Finance
FIN 32035 Retirement Planning
FIN 32036 Estate Planning
FIN 32040 Risk & Insurance
FIN 42020 Investments II
FIN 42030 Financial Planning Capstone

Emphasis in Finance (12 credit hours)

An emphasis in finance, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: INTL 48020, FIN 32010, FIN 32013, FIN 32020, FIN 32030, FIN 32040, FIN 42050, FIN 42010, FIN 42020, or FIN 42080.

HUMAN RESOURCE MANAGEMENT (RENEE PORTER, PHD, INTERIM CHAIR)

B.A. in HR Management (72 credit hours)

A bachelor of arts in human resource management requires the completion of

- Core business and GE business courses (48 credit hours)
- Seven required major courses (21 credit hours)
HRM 36500 Organizational Behavior*
HRM 36510 Human Resource Management*
HRM 36520 Labor Relations
HRM 36530 Employee Training and Development
HRM 36540 Personnel Law*
HRM 36550 Compensation and Benefits
HRM 46599 Human Resource Issues (HRM Capstone)
*The human resource management student will take all three of these courses, the credit hours for one of which will be applied to the core business requirement.
- Two elective major courses (6 credit hours), selected from any business course at or above the 30000 level, including no more than one of the following courses: HRM 36590, HRM 46590, or HRM 46595.

Emphasis in HR Management (12 credit hours)

An emphasis in human resource management, which is earned in addition to the student's major, requires the completion of 12 credit hours of course work selected from the following courses: HRM 36500 (if not taken for core), HRM 36510 (if not taken for core), HRM 36520, HRM 36530, HRM 36540 (if not taken for core), HRM 36550, or HRM 46599.

INTERNATIONAL BUSINESS (JOHN LOUGHLIN, PHD, CHAIR)

B.A. in International Business (69 credit hours)

A bachelor of arts in international business requires the completion of

- Core business and GE business courses (48 credit hours)
- Five required major courses (15 credit hours)
INTL 48010 International Marketing
INTL 48020 International Finance
INTL 48032 International Management
INTL 48070 International Business and Cross Cultural Communications (GE-CrsCit)
PS 35000 International Relations
- Two elective major courses (6 credit hours), selected from the following options:
INTL 38090 Special Topics in International Business
INTL 48040 International Economics
INTL 48060 International Risk and Politics
INTL 48090 Special Topics in International Business
INTL 48095 International Business Internship
PS 30000 Comparative Politics

Emphasis in International Business (12 credit hours)

An emphasis in international business, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: INTL 48010, INTL 48020, INTL 48032, INTL 48040, INTL 48060, INTL 48070, or PS 35000.

MANAGEMENT (STAN COKER, D.MGT, CHAIR)

Emphasis in Management (12 credit hours)

An emphasis in management, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: ENTR 37510, HRM 36500 (if not taken for core), HRM 36510 (if not taken for core), HRM 36520, INTL 48032, MGMT 36042, MGMT 36043, MGMT 36062, MGMT 36081, MGMT 46050, or MGMT 46063.

MARKETING (PETER ONYIA, PHD, CHAIR)

B.A. in Marketing (72 credit hours)

A bachelor of arts in marketing requires the completion of

- Core business and GE business courses (48 credit hours)
- Five required major courses (15 credit hours)
MRKT 35020 Marketing Information and Research
MRKT 35030 Pricing Strategy & Negotiations
MRKT 35040 Advertising and Promotional Strategy
MRKT 35050 Selling
MRKT 45080 Marketing Management and Planning
- Three elective major courses (9 credit hours), selected from the following options:
INTL 48010 International Marketing
MGMT 36042 Principles of Supply Chain Management
MRKT 35060 Product Management
MRKT 35090 Special Topics in Marketing
MRKT 45060 Relationship Marketing
MRKT 45070 Consumer Behavior
MRKT 45090 Special Topics in Marketing
MRKT 45095 Marketing Internship
RTAIL 35530 Retail Buying
RTAIL 35535 Survey of Retail Operations

RTAIL 45540 Retail Merchandising Control
SPMGT 37040 Sport Marketing and Promotion
SPMGT37050 Event Management

Emphasis in Marketing (12 credit hours)

An emphasis in marketing, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: INTL 48010, MRKT 35020, MRKT 35030, MRKT 35040, MRKT 35050, MRKT 35060, MRKT 45060, MRKT 45070, MRKT 45080, or SPMGT 37040.

RETAIL MERCHANDISING (DOUG CANNON, MBA, CHAIR)

B.A. in Retail Merchandising (72 credit hours)

A bachelor of arts in retail merchandising requires the completion of

- Core business and GE business courses (48 credit hours)
- Six required major courses (18 credit hours)
MRKT 35050 Selling
RTAIL 15510 Introduction to Retailing
RTAIL 25520 Retail Communications
RTAIL 35530 Retail Buying
RTAIL 35535 Survey of Retail Operations
RTAIL 45540 Retail Merchandising Control
- Two elective major courses (6 credit hours), selected from the following options:
INTL 48010 International Marketing
MGMT 36042 Principles of Supply Chain Management
MRKT 35020 Marketing Information and Research
MRKT 35030 Pricing Strategy & Negotiations
MRKT 35040 Advertising and Promotional Strategy
MRKT 35060 Product Management
MRKT 45060 Relationship Marketing
MRKT 45070 Consumer Behavior
RTAIL 35590 Special Topics in Retail Merchandising
RTAIL 45590 Special Topics in Retail Merchandising
RTAIL 45595 Retail Merchandising Internship
SPMGT 37050 Event Management

Emphasis in Retail Merchandising (12 credit hours)

An emphasis in retail merchandising, which is earned in addition to the student's major, requires the completion of 12 credit hours selected from among the following courses: MRKT 35040, MRKT 35050, MRKT 35060, MRKT 45070, RTAIL 15510, RTAIL 25520, RTAIL 35530, RTAIL 35535, or RTAIL 45540.

Minor in Retail Merchandising (24 credit hours)

Students from majors outside of the School of Business & Entrepreneurship may earn a minor in retail merchandising by completing the following courses: RTAIL 15510, RTAIL 25520, MRKT 35050, RTAIL 35530, RTAIL 35535, RTAIL 45540, plus six credit hours of course work selected from the following courses: INTL 48010, MRKT 35020, MRKT 35030, MRKT 35040, MRKT 35060, MRKT 45060, or MRKT 45070.

SPORT MANAGEMENT (MOLLY HUDGINS, JD, CHAIR)

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.

B.A. in Sport Management (72 credit hours)

A bachelor of arts in sport management requires the completion of

- Core business* and GE business courses (48 credit hours)
* For students pursuing a B.A. in Sport Management, . . . SPMGT 47080 Sport Management Policy will replace MGMT 46082 Management Policy in the core.
- Five required major courses (15 credit hours)
SPMGT 27020 Orientation to Sport Management
SPMGT 37040 Sport Marketing and Promotion
SPMGT 37050 Event Management
SPMGT 37060 Sport Law
SPMGT 47095 Sport Management Practicum
- Three elective major courses (9 credit hours), selected from among the courses listed below. (Note that no more than two of the three courses may be taken from within the same category.)

American Studies

AST 21200

Communications

COM 11500, COM 15400, COM 23300, COM 30104, COM 30200, COM 30300, COM 30500, or COM 34000.

Economics and Finance

ECON 33025, FIN 32013, or FIN 32040.

Human Resource Management and Management

HRM 36500 (if not taken for core), HRM 36510 (if not taken for core), HRM 36520, HRM 36530, HRM 36540 (if not taken for core), MGMT 36062, or MGMT 46050.

Marketing and Retail Merchandising

MRKT 35020, MRKT 35030, MRKT 35040, MRKT 35050, MRKT 45060, MRKT 45070, or RTAIL 35535.

Physical Education

PE 15000, PE 16000, PE 20000, PE 22000, PE 30500, PE 31000, PE 31500, PE 31800, PE 32000, or PE 34900.

Sport Management

SPMGT 37090 or SPMGT 47090.

Emphasis in Sport Management (12 credit hours)

An emphasis in sport management, which is earned in addition to the student's major, requires the completion of the following

courses: SPMGT 27020, SPMGT 37040, SPMGT 37050, and SPMGT 37060.

SCHOOL OF COMMUNICATIONS

Early Access to the M.A. or M.S. Program

With approval from the Dean of Communication and the Provost, students may take up to nine semester credit hours at the graduate level during their senior year. These credit hours will count toward the M.A. degree in Communication but not toward the bachelor's degree. A student must be enrolled in at least 12 semester credit hours of undergraduate classes each semester that he or she is taking M.A. credits under this option.

PROGRAM DESCRIPTION

The vast majority of media industries are fueled by advertising, a business which has as its goal the persuasion of potential clients to purchase products or services. This program teaches the principles and techniques of advertising.

Bachelor of Arts in Advertising, Public Relations: Corporate Communications (54 credit hours)

The Bachelor of Arts in Advertising, Public Relations: Corporate Communications requires students to complete the following courses: PSY 10000, COM 13000, COM 15100, COM 15400, COM 20200, COM 23300, COM 24200, COM 30200, COM 30700, COM 32700, COM 32800, COM 33500, COM 36000, COM 36300, COM 40100, COM 42700, COM 44200, and COM 46000. An additional three credit hours are also required in activity/experiential coursework and must be selected from one of the applied areas of either COM 3010X or COM 45000.

DIGITAL CINEMA ARTS PROGRAM DESCRIPTION

Digital Cinema Arts trains students in the art of communicating with moving pictures and sound. Courses cover technical and creative storytelling skills in the areas of writing, production, editing, and other related parts of the moviemaking process. Students receive a strong base of knowledge applicable to crafting stories in cinema, television, new media, and other means of creative communication.

Bachelor of Arts in Digital Cinema Arts (51 credit hours)

The Bachelor of Arts in Digital Cinema Arts requires students to complete the following courses: COM 14000, COM 15400, COM 23300, COM 25600, COM 30700, COM 32700, COM 35400, COM 35700, COM 37000, COM 45101, PSY 10000, plus six credit hours from: COM 30101, COM 30102, COM 30103, COM 30104, COM 30105, COM 45000, and 12 credit hours from: COM 34000, COM 34300, COM 34600, COM 37100, COM 37200, COM 37300, COM 37400, or COM 37500.

Bachelor of Fine Arts in Digital Cinema Arts (60 credit hours)

The Bachelor of Fine Arts in Digital Cinema requires students to complete the following courses: COM 14000, COM 15400, COM 23300, COM 25600, COM 30700, COM 32700, COM 35400, COM 35700, COM 37000, COM 45101, COM 45102, PSY10000, plus six credit hours selected from: COM 30101, COM 30102, COM 30103, COM 30104, COM 30105 or COM 45000, and 18 credit hours from: COM 34000, COM 34300,

COM 34600, COM 371XX, COM 372XX, COM 373XX, COM 374XX, or COM 375XX.

JOURNALISM PROGRAM DESCRIPTION

The Journalism program focuses on how to gather, write, edit, and present news to a mass audience using written and electronic means.

Journalism

The Bachelor of Arts in Journalism requires completion of the journalism core and one of two emphasis area (Print/Internet or Broadcast). The following courses constitute the core for both of the areas of emphases: PSY 10000, COM 13500, COM 15400, COM 20200, COM 23300, COM 24200, COM 29000, COM 30111, COM 30500, COM 30600, COM 30800, COM 30900, COM 325000, COM 40100, and COM 40600 . An additional activity/experiential component will be selected from either COM 301XX or COM 30800 or COM 30900 or COM 45000. Specialized coursework will determine the major emphasis area. The degrees and their requirements are

Journalism - Print/Internet (51 credit hours)

COM 29200, and COM 43500

Journalism – Broadcast (57 credit hours)

COM 15100, COM 30400, COM 34300, COM 39000

INTERACTIVE MEDIA AND WEB DESIGN PROGRAM DESCRIPTION

The Interactive Media and Web Design program at Lindenwood University provides the education necessary for an exciting career in web design and/or interactive media. Students are provided countless opportunities to learn and work with the latest technologies in this continually evolving discipline. LU's IMWD program provides a way for each student to combine and hone their artistic abilities with the complex technological skills necessary for success in the industry. Skills necessary to work with audio, video, graphics, typography, animation, and web pages are all tightly integrated into the curriculum; and graduates will be prepared for an entry-level career in the field of multimedia and/or web design. All students majoring in Interactive Media and Web Design must complete a portfolio. Faculty advisors will review the specific requirements with students well in advance of their senior year.

Interactive Media and Web Design (54 credit hours)

The Bachelor of Arts in Interactive Media and Web Design requires students to complete the following courses: PSY 10000, CSC 10000, COM 12300, COM 15400, COM 20200, COM 23300, COM 30200, COM 30500, , COM 33400, COM 33600, COM 33700, COM 35200, COM 35700, COM 40100, COM 42400, COM 44300, COM 44401, COM 49400, and. Three credit hours are also required in activity/experiential coursework and must be selected from one of the applied areas of either COM 30105 or COM 45000.

Minor in Interactive Media and Web Design (24 credit hours)

A minor in Interactive Media and Web Design requires COM 12300, COM 20200, COM 23300, COM 33400, COM 33700, COM 44300, COM 44401, and CSC 10000.

MASS COMMUNICATIONS PROGRAM DESCRIPTION

Mass Communication is the study of information sharing through Mass Media.

Mass Communications

The Bachelor of Arts in Mass Communication requires completion of the following core courses for all of the areas of emphases: COM 13000, COM 15100, COM 15400, COM 23300, COM 24200, COM 30200, COM 30700, COM 32700, COM 40100, COM 46000, and PSY 10000. Specialized coursework will determine the major emphasis area. The degrees and their requirements are

Mass Communications- Broadcast (66 credit hours)

COM 25600, COM 30101, COM 30202, COM 30111, COM 30400, COM 34300, COM 35400, COM 35200, COM35400, COM 35700, COM 36000, and COM29000. An additional three credit hours are also required in activity/experiential coursework and must be selected from one of the applied areas of either COM 3010X or COM 45000.

Mass Communications - Media Management and Sales (51 credit hours)

COM 30300, COM 33500, COM 36000, MRKT 35010, MGMT 36032, and COM 3010X. An additional three credit hours are also required in activity/experiential coursework and must be selected from one of the applied areas of either COM 3010X or COM 45000.

Mass Communications - Sports Information (54 credit hours)

COM 20200, COM 30500, COM 32800, COM 33500, SPMGT 27020, and SPMGT 47080. An additional three credit hours are also required in activity/experiential coursework and must be selected from one of the applied areas of either COM 3010X or COM 45000.

Minor in Communications (27 credit hours)

A minor in Communications requires the following courses: COM 13000, COM 15400, COM 23300, COM 24200, COM 30300, and COM 32700 plus nine hours of communication electives selected from COM 15100, COM 25600, COM 30200, COM 30700, COM 32800, COM 33500, COM 35200, COM 36000, and COM 40100.

SCHOOL OF EDUCATION

PROGRAM DESCRIPTION

The Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools and the Missouri Department of Elementary and Secondary Education (DESE) accredit the Lindenwood University Teacher Education Programs.

The School of Education is also a member of the Teacher Education Accreditation Council. Students who enroll in the School of Education may select one of two distinct pathways to completion of their prescribed program.

First, successful completion of the Lindenwood University Teacher Education Program qualifies the student for recommendation for a teaching certificate issued by the Missouri Department of Elementary and Secondary Education, DESE.

Second, those students who desire to work in an educational field but do not desire a teaching certificate at this time may pursue an Educational Studies degree.

Application into the Teacher Education Program is typically made when a student is enrolled in EDU 10000 Orientation to Educational Experiences (3) and EDU 11100 Orientation to Educational Experiences Practicum (1). Students who have transferred in the EDU 10000 and EDU 11100 credit may apply during the required course, EDU 21500 PRAXIS-Foliotek Seminar for Teacher Education.

Acceptance into the Teacher Education Program is divided into two levels and is the result of action by the Council of Teacher Education (CTE). The council, broadly representative of all Schools at the university, considers Teacher Education Program applications after the student has accomplished the following:

1. Acceptance into Lindenwood University
2. Cumulative minimum grade point average (GPA) of 2.5
3. Demonstration of academic competency based upon the following criteria:

- a. completion of a majority of general education requirements, but not more than 15 hours of education coursework;
- b. maintained a minimum GPA of 2.5; and
- c. attained a qualifying score of 235 on the all subsections and the composite of the College Basic Academic Subjects Examination (CBASE) administered by the Department of Elementary and Secondary Education.

4. Evidence of competency in communications by passing the Writing Proficiency Exam of Lindenwood University
5. Criminal Background Clearance
6. Submission of Disposition Survey to advisor/instructor during EDU 10000 and/or EDU 215XX
7. The final level of acceptance comes after the student has passed the subject area exit assessment (PRAXIS II) prior to student teaching. The PRAXIS should be taken at least 1-2 semesters prior to student teaching in order for scores to be returned in time for student teaching application deadline. Passage of PRAXIS II demonstrates that the pre-service teacher has mastered the subject area that he/she will teach. Students taking the required course, EDU 215XX, will be provided with information and assistance in test preparation. Teacher Education Program students who have taken the suggested coursework before taking the PRAXIS and do not pass the PRAXIS can seek assistance from the LU Counseling Center for guidance in taking tests, test anxiety, etc. The Counseling Center can then advise the Dean of Education of the student's eligibility of 18 additional hours of courses in order to further prepare the student for the PRAXIS. No tuition fee will be charged for this additional course work. This does not apply to student teaching. Students also must have followed all proper procedures throughout the program.
8. In addition, a portfolio approved by the School of Education must be completed before a grade for student teaching is recorded. This portfolio relates to the Department of Elementary and Secondary Education Missouri Standards for Teacher Education Programs as specifically outlined in the 11 beginning standards for teacher educators.
9. Additionally, certification requires a cumulative grade point average of 2.5 in all coursework. This includes a minimum of a grade of "C" in all Education coursework.

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 student applies for certification to teach in Missouri. The student who wishes certification in other states should seek advice from the certification officer in the School of

Education concerning requirements in other states.

The Lindenwood University School of Education is divided into four separate departments:

1. Department of Teacher Education
2. Department of Health and Fitness Sciences
3. Department of Counseling *
4. Department of Educational Leadership*

Note: Those departments marked with an asterisk are graduate programs only. Students wishing to enter into one of the Education Graduate programs should consult the Lindenwood University Graduate Catalog

DEPARTMENT OF TEACHER EDUCATION (DR. PATRICIA LEITSCH, ASSISTANT DEAN; DR. FRANK THOUVENOT, CHAIR OF EARLY CHILDHOOD AND ELEMENTARY EDUCATION; DR. KEN JOHNSON, CHAIR OF MIDDLE SCHOOL AND SECONDARY EDUCATION)

The Department of Undergraduate Teacher Education offers the following degrees:

1. B.A. in Early Childhood Special Education
2. B.A. in Early Childhood Education (Birth –Grade 3)
3. B.A. in Elementary Education (Grades 1-6)
4. B.A. in Elementary Education with Special Education (Grades 1-12) Add-on
5. B.A. in Middle School Education, Business Emphasis
6. B.A. in Middle School Education, Language Arts Emphasis
7. B.A. in Middle School Education, Industrial Technology Emphasis
8. B.A. in Middle School Education, Mathematics Emphasis
9. B.A. in Middle School Education, Science Emphasis
10. B.A. in Middle School Education, Social Science Emphasis

Note 1: Each of these degrees also leads to certification to teach within the indicated program.

Note 2: The Industrial Technology degree is offered only at Saint Louis Community College-Flo-Valley. For information concerning this program, consult a Faculty Advisor in the Department of Undergraduate Teacher Education.

EARLY CHILDHOOD EDUCATION DEGREE AND CERTIFICATION PROGRAMS

Bachelor of Arts in Early Childhood Special Education (92 credit hours)

Courses required for the B.A. in Early Childhood Special Education and certification are EDU 10000, EDU 11100, EDU 21500, EDU 24600, EDU 20200, EDU 30400, EDU 30500, EDU 30600, EDU 30900, EDU 31200, EDU 31400, EDU 31600, EDU 31700, EDU 32200, EDU 32500, EDU 32700, EDU 32900, EDU 34100, EDU 34400, EDU 34500, EDU 35100, EDU 38000, EDU 39900, and EDU 41000. Also required are EDS 30200, EDU 31800, EDS 32600, EDS 33300, and EDS 33700. Additionally, students must have 21 hours in one content emphasis area.

Bachelor of Arts in Early Childhood Education (Birth-Grade 3) (77 credit hours)

Courses required for the B.A. in Early Childhood (Birth through Grade 3) and certification are EDU 10000, EDU11100, EDU 21500, EDU 24600, EDU 20200, EDU 30400, EDU 30500, EDU 30600, EDU 30900, EDU 31200, EDU 31400, EDU 31600, EDU 31700, EDU 32200, EDU 32500, EDU 32700, EDU 32900, EDU 34100, EDU 34400, EDU 34500, EDU 35100, , EDU 38000, EDU 39900, and EDU 41000. Additionally, students must have 21 hours in one content emphasis area.

ELEMENTARY EDUCATION DEGREE AND CERTIFICATION PROGRAMS

Bachelor of Arts in Elementary Education with Certification in Elementary Grades 1-6 (69 credit hours)

Courses required for the B.A. in Elementary Education (Grades 1-6) and certification are as follows: EDU 10000, EDU 11100, EDU 21500, EDU 24600, EDU 27400, EDU 20200, EDU 30400, EDU 30500, EDU 30600, EDU 30900, EDU 23100, EDU 23300, EDU 31200, EDU 31300, EDU 31700, EDU 31900, EDU 32200, EDU 34100, EDU 34400, EDU 34500, EDU 38000, EDU 39900, and EDU 41000.

Students must also take GEO 20100, ECON 23010, PS 15500 or HIS 15500, MTH13400, and MTH 13500, three credit hours in Fine Art Appreciation or History, and two Science Lab courses as part of their General Education requirements. Additionally, students must have 21 hours in one content emphasis area.

Bachelor of Arts in Elementary Education with Special Education (Grades 1-12) Add-On (99 credit hours)

Courses required for the B.A. in Elem/Special Education (Grades K-12) and certification are as follows: EDU 10000, EDU 11100, EDU 21500, EDU 24600, EDU 27400, EDU 20200, EDU 30400, EDU 30500, EDU 30600, EDU 30900, EDU 23100, EDU 23300, EDU 31200, EDU 31300, EDU 31900, EDU 32200, EDU 34400, EDU 32400, EDU 34100, EDU 34500, EDU 38000, EDU 39900, EDU 41000. Also required are EDS 30200, EDS 31800, EDS 32600, EDS 33300, EDS 33700, EDS 34000, EDS 35700, PSY 10000, PSY 20500, and PSY 31300.

MIDDLE SCHOOL EDUCATION DEGREE AND CERTIFICATION PROGRAMS

Bachelor of Arts in Middle School Education (Grades 5-9) (54 credit hours)

Students seeking the B.A. in Middle School Education must complete the following list of core education courses: EDU 10000, EDU 11100, EDU 21500, EDU 20200, EDU 30400, EDU 30700, EDU 30900, EDU 32100, EDU 34100, EDU 34300, EDU 38000, EDU 38500, EDU 38600, EDU 38700, EDU 38800, EDU 39900, EDU 41000.

Students seeking only middle school certification should be aware that such certification allows them limited career options in middle school education (Grades 5-9). Therefore, middle school education students are encouraged to consider an endorsement in a second area. Coursework must be carefully planned and sequenced by the student with an advisor for both of these multifaceted programs.

Business Emphasis (33 credit hours)

Course requirements for the B.A. in Middle School Education (Grades 5-9) with certification in Business are EDU 33600, EDU 37300; RTAIL 15510, MIS 14000, COM 30300, ENG 37200, ACCT 21010, ACCT 21011, ECON 21000, ECON 23010, ECON 21100, BA 36000, MGMT 26061. Verification of 2000 work hours in a business related field. A keyboard course or a passing score on a proficiency exam is also required.

Language Arts Emphasis (27 credit hours)

Course requirements for the B.A. in Middle School Education (Grades 5-9) with certification in English are EDU 24700, EDU 33400, ENG 20100, ENG 20200, ENG 21100, ENG 23500, ENG 23600, ENG 30200, and ENG 37200.

Industrial Technology Emphasis (30 credit hours)

Course requirements for the B.A. in Middle School Education (Grades 5-9) with certification in Industrial Technology are EDU 33900 and 21 hours selected from the three clusters offered at St. Louis Community College-Flo-Valley: Cluster A: Choose 6 hours from the following: ART 12300, ART 21500, ART 27100, EGR 10000, EGR 14000, EGR 22500. Cluster B: Choose 6 hours from the following: EE 13000, EE 13100, EE 13200, EE 22300, ME 24100, ME 25500; Cluster C: Choose 6 hours from the following: CE 10800, ME 14000, ME 15100, ME 15200, ME 24100, and ME 24900. Plus one additional elective course from any cluster to total 21 hours.

(NOTE: Course duplication is NOT ALLOWED.) Also required are MTH 14100 (at Flo-Valley) and PSY10000 (at either LU or Flo-Valley). *This degree Emphasis is only offered at STL-Flo-Valley. Students must work with STL-FV and major advisor at Lindenwood University. Students must enroll in classes through both advisors.*

Mathematics Emphasis (24 credit hours)

Course requirements for the B.A. in Middle School Education (Grades 5-9) with certification in Mathematics are EDU 31200 or EDU 33100, CSC 10000, MTH 13400, MTH 13500, MTH 14100, MTH 15100, MTH 15200, and MTH 17000.

Science Emphasis (29 credit hours)

Courses requirements for the B.A. in Middle School Education (Grades 5-9) with certification in Science are EDU 33000, BIO 10000, BIO 10700, CHM 10000, ESC 10000, ESC 11000, ESC 11100, ESC 13000, ESC 13100, PHY 11100, and PHY 11200.

Social Science Emphasis (36 credit hours)

Course requirements for the B.A. in Middle School Education (Grades 5-9) with certification in Social Science are EDU 33500, HIS 10000, HIS 10500, HIS 10600, HIS 20000, PS 15500, PS 15600, ECON 21000, ECON 23010, GEO 20100 or GEO 20200, PSY 10000, SOC 10200, and one additional social science elective.

SECONDARY TEACHER EDUCATION PROGRAMS (9-12)

Students who wish to earn a teaching certificate at the secondary level must earn a Bachelor of Arts or a Bachelor of Science degree in the subject area for which they wish to teach and complete the requirements for a minor in Secondary

Education (9-12) or a minor in Education (K-12). The emphasis areas for the minor are as follows:

1. Minor in Education (9-12 or K-12)
2. Minor in Education (non-certification)

For instance, if a student wishes to teach English at the high school level, he/she will earn a Bachelor of Arts in English and complete the requirements for a Minor in Secondary Education 9-12. For this reason, students who desire to teach at the high school level must secure an advisor in the subject area as well as an advisor in education.

The minor in Secondary Education (9-12) or Education (K-12) requires completion of a core set of courses. Total required hours for the minor is dependent on the major content area.

The emphasis areas for Grades 9-12 Certification Programs are as follows:

1. Business
 - a. With Marketing Add-On
2. Biology
3. Biology with Unified Science
4. Chemistry
5. Chemistry with Unified Science
6. English
7. Industrial Technology (Saint Louis Community College-Flo-Valley Campus ONLY)
8. Mathematics
9. Social Science
 - a. History Major with Social Studies Minor
 - b. History Major
10. Speech/Theatre

The emphasis areas for Grades K-12 Certification Programs include:

1. Instrumental Music
2. Vocal Music
3. Dance
4. Physical Education
5. Health
6. Art
7. Foreign Language

Specific course requirements for each certification area are specified within each area of emphasis (for instance, if a student plans to teach English, he should go to the section of this catalog that defines the requirements for a degree in English). Total required credit hours will range from 90 to 111, depending on the area of emphasis.

Core course requirements are the following: EDU 10000, EDU 11100, EDU 21500, EDU 20200, EDU 30400, EDU 30700, EDU 32100, EDU 34100, EDU 34300, EDU 38000, and EDU 41000. In addition, one "Methods of Teaching" course (33000-34000) must be taken. The actual course required will be determined by the student's area of desired certification.

Special Notice: Students in Secondary 9-12 and K-12 certification programs must declare a minor in either Secondary Education (9-12) or Education (K-12) in order to be recognized for the additional educational coursework completed.

General Requirements for Students Seeking Teacher Certification

The Missouri Department of Elementary and Secondary Education provides the following requirements for teacher certification:

1. A baccalaureate degree from a college or university having a teacher education program approved by the Missouri

Department of Elementary and Secondary Education;

2. A recommendation of designated official for teacher education in the college or university;
3. A grade point average of 2.5 on a 4.0 scale overall and in the major area of study;
4. Completion of the content knowledge or specialty area test designated by the State Board of Education with a score equal to or greater than the Missouri qualifying score. If no content knowledge or specialty area test is designated for the area of concentration, completion of the Principles of Learning and Teaching: Grades 9-12 test is required with a score equal to or greater than the Missouri qualifying score;
5. Completion of professional requirements as determined by the recommending college or university, which may exceed these minimum requirements; and
6. Completion of coursework in the following:
 - a. English Composition, two courses, each a minimum of two credit hours;
 - b. U.S. History, three credit hours; and
 - c. U.S. (National) Government, three credit hours.

Students will be required to complete all required coursework within each DESE approved teacher education program before being recommended for certification.

GRADES 9-12 CERTIFICATION EMPHASIS AREAS

Business Emphasis (97 credit hours)

Course requirements for both the Secondary (Grades 9-12) certificate and the Secondary (K-12) certificate in Business include the core courses plus EDU 33600, EDU 37300, MGMT 26061, MGMT 36033, MIS 24000, ACCT 21010, ACCT 21011, ECON 23020, ECON 23030, FIN 32000, MGMT 36032, MRKT 35010, MGMT 45082 and COM 30300, and 12 credit hours of 30000 or 40000-level BA electives. See Business Education advisor. Verification of 2000 work hours in a business related field is also required. See Marketing Add-On.

Biology Emphasis (64 credit hours)

Course requirements for both the Secondary (Grades 9-12) certificate and Secondary (K-12) certificate in Biology are EDU 33000, BIO 22700, BIO 22800, BIO 25100, BIO 25200, BIO 32000, (BIO 36200 or BIO 46500 or BIO 37000), BIO 40400, BIO 40800, BIO 46400, BIO 48500, BIO 48600, CHM 23000, CHM 23100, CHM 24100, CHM 23200, CHM 24200, MTH 15100, MTH 15200, MTH 24100, PHY 25100, and SCI 21200 or PHL 26500. See the Biology major in the catalog.

Biology with Unified Science Emphasis (76 credit hours)

Course requirements for both the Secondary (Grades 9-12) certificate and the Secondary (K-12) certificate in Unified Sciences in Biology with Unified Sciences Endorsement are EDU 33000, BIO 22700, BIO 22800, BIO 25100, BIO 25200, BIO 32000, (BIO 36200 or BIO 46500), BIO 40400, BIO 40800, BIO 46400, BIO 48500, BIO 48600, CHM 23000, CHM 23100, CHM 24100, CHM 23200, CHM 24200, ESC 10000, ESC 11000, MTH 15200, MTH 24100, PHY 25100, PHY 25200, and SCI 21200 or PHL 26500. See the Unified Science major in the catalog.

Chemistry Emphasis

(B.A. 57 credit hours – B.S. 70 credit hours)

Students seeking the B.A. degree in Chemistry must

complete the following courses: EDU 33000, CHM 23000, CHM 23100, CHM 24100, CHM 23200, CHM 24200, CHM 35100, CHM 36100, CHM 36200, CHM 37500 or CHM 47100 with 1 additional credit course added, CHM 48500, plus one CHM 30000 level elective, MTH 27100, MTH 27200, (PHY 25100 and PHY 25200) or (PHY 30100 and PHY 30200), SCI 21200 or PHL 26500.

Students seeking the B.S. degree in Chemistry must complete the following courses: EDU 33000, CHM 23000, CHM 23100, CHM 24100, CHM 23200, CHM 24200, CHM 35100, CHM 36100, CHM 36200, CHM 37500, CHM 40100, CHM 47100, CHM 47200, CHM 47300, CHM 48500, one CHM 300 level elective, MTH 27100, MTH 27200, MTH 30300, PHY 30100 and PHY 30200. See the Chemistry major in the catalog.

Chemistry with Unified Science Emphasis (70 credit hours)

Course requirements for the Secondary (Grades 9-12) certificate in Unified Sciences with Chemistry Endorsement are EDU 33000, BIO 25100, BIO 25200, BIO 36200, CHM 11100, CHM 23000, CHM 23100, CHM 24100, CHM 23200, CHM 24200, CHM 35100, CHM 36100, CHM 36200, CHM 47100, CHM 48500, ESC 10000, ESC 11000, MTH 27100, MTH 27200, (PHY 25100 and PHY 25200) or (PHY 30100 and PHY 30200), and SCI 21200 or PHL 26500. See the Unified Science major in the catalog.

English Emphasis (42 credit hours)

Course requirements for Secondary (Grades 9-12) certification in English are completion of a major in English with a Literature Emphasis, ENG 37200, a minor in Secondary Education (9-12), and EDU 33400. ENG 21100 is encouraged as an elective. See the English major in the catalog.

Industrial Technology Emphasis (43 credit hours)

Course requirements for the B.A. in Industrial Technology (Grades 9-12) with certification in Industrial Technology are EDU 33900, and 21 hours selected from the three clusters offered at St. Louis Community College-Flo Valley. Students must complete one of three clusters offered at Saint Louis Community college-Flo-Valley:
Cluster A: choose 12 hours from the following: ART 23000, ART 21500, ART 27100, EGR 10000, EGR 14000, EGR 22500,
Cluster B: Choose 12 hours from the following: EE 13000, EE 13100, EE 13200, EE 24100, ME 22300, ME 25500
Cluster C: Choose 9 hours form the following: CE 10800, ME 14000, ME 15100, ME 15200, ME 24100, ME 24900, Also required are MTH 14100 (at Flo-Valley) and PHY 10000 (either at LU or Flo-Valley). Students must enroll in classes through both advisors.

Note: This degree Emphasis is only offered at Saint Louis Community College-Flo-Valley. Students must work with STLCC-FV and major advisor at Lindenwood University.

Mathematics Emphasis (47 credit hours)

Course requirements for the Secondary (Grades 9-12) certificate in Mathematics are completion of a major in Mathematics, a minor in Secondary Education, and EDU 33100. See a Mathematics major in the catalog.

Marketing Education Add-On with Business Program Emphasis (78 credit hours)

Course requirements for the Secondary (Grades 9-12) certificate in Business with Marketing Education are

EDU 33300, RTAIL 15510, ACCT 21010, ACCT 21011, ECON 23020, ECON 23030, MIS 24000, FIN 32000, MGMT 26032, MRKT 35010, MGMT 26061, MGMT 36033, MGMT 46082, COM 30300, EDU 36500, EDU 36600, EDU 36700, EDU 39400, EDU 39500, EDU 39600, and EDU 39700 plus five marketing-related courses selected from: RTAIL 25520, ECON 33020, MRKT 35020, RTAIL 35530, MRKT 35050, MRKT 35030, MGMT 36042, MRKT 35040, SPMGT37050, RTAIL 35535, MRKT 45070, MRKT 45080, INTL 48010, MRKT45900, RTAIL 45590.

Verification of 2000 work hours in a business related field. See a Marketing Education advisor.

Social Science Emphasis (2 programs)

The Social Science emphasis is broken into two programs. The first program is for History majors with a minor in Social Studies, and the second program is for History majors without a minor in Social Studies.

History Major with minor in Social Studies (60 credit hours)

Course requirements for Secondary (Grades 9-12) Social Science certification for History majors with a minor in Social Studies are completion of a major in History, a minor in Social Studies, a minor in Secondary Education (9-12), and EDU 33500. See the History major in the catalog.

History Major (54 credit hours)

Course requirements for Secondary (Grades 9-12) Social Science certification for History majors are completion of a major in History, (GEO 20100 or GEO 20200), PS 15600, two courses from the following areas (anthropology, psychology, and sociology), a minor in Secondary Education (9-12), and EDU 33500. See the History major in the catalog.

Speech/Theatre Emphasis (63 credit hours)

Course requirements for 9-12 Certification in Speech/Theatre are TA 10100, TA 10300, TA 11100, TA 11200, TA 20100, TA 20400, TA 21000, TA 21600, TA 30400, TA 30500, TA 30600, TA 37000, TA 48000, twelve hours of TA electives, COM 10500, COM 11000, COM 31500, and COM 32700.

GRADES K-12 CERTIFICATION EMPHASIS

The minor in Education (K-12) requires completion of a core set of courses and additional course requirements as specified within each area of emphasis. Core course requirements are as follows: EDU 10000, EDU 11100, EDU 21500, EDU 20200, EDU 30400, EDU 30700, EDU 32100, EDU 34100, EDU 34300, EDU 38000 and EDU 41000. Note: EDU 215XX is not required for the Cross-categorical Add-on. In addition, one "Methods of Teaching" course (EDU 33000-34000) must be taken. The actual course required will be determined by the student's content area.

All students seeking the minor in Education (K-12) must complete a content area. These areas are as follows:

1. Art
2. Dance
3. Foreign Language
 - a. French
 - b. Spanish
4. Health
5. Music
 - a. Instrumental
 - b. Vocal/Choral
6. Physical Education

7. Physical Education with Health Add-on

Special Notice: Students in secondary 9-12 and K-12 certification programs must declare a minor in either Secondary Education (9-12) or Education (K-12) in order to be recognized for the additional secondary educational coursework completed.

Special Education K-12 Cross-Categorical Add-On

Course requirements for the Special Education (Grades K-12) certificate in Cross-Categorical are the following: PSY 31300 or EDU 20200, EDU 30400, EDU 30500, EDU 30900 and EDU 39900, EDU 31200 or EDU 33100, EDU 32400, EDS 31800, EDS 32600, EDS 33300, EDS 33700, EDS 34000, EDU 34100, and EDS 35700.

Below are listed the specific course requirements for each K-12 content area.

Art (51 credit hours)

Course requirements for K-12 Certification in Art are EDU 23300, EDU 33300, ART 10600, ART 10800, ART 13000, ART 13600, (ART 18100 or ART 12000), ART 20000, ART 22200, ART 22400, ART 24000, ART 32000, ART 33000, ART 33100, ART 33400, ART 40000, and six (6) hours of Art History selected from ART 35400, ART 35600, ART 35700, ART 35900, ART 36100, ART 36200, ART 36300, ART 36400, ART 36900, ART 37100, ART 38300, ART 38500, or ART 38600. See an Art major advisor.

Duplication of courses to fulfill requirements is prohibited

Dance (77 credit hours)

Course requirements for K-12 Certification in Dance are EDU 10000, EDU 11100, EDU 20200, EDU 30400, EDU 30700, EDU 34100, EDU 32500, EDU 21500, EDU 32100, EDU 34300, EDU 38000, EDU 30700, EDU 33000, EDU 41000, BIO 10000, CHM 10000, MTH 14100, three credit hours of practicum selected from: DAN 10300, DAN 20300, or DAN 37500 (All may be repeated for credit), six credit hours from Modern Technique selected from DAN 30100, DAN 30200, DAN 40100, or DAN 40200. Select nine credit hours from Ballet: DAN 22000, DAN 22100, DAN 31200, DAN 32000, DAN 32200, DAN 32300, DAN 42000, DAN 42100, DAN 42200, DAN 42300. Select nine credit hours from Jazz Technique: DAN 30400, DAN 30500, DAN 30600, DAN 40400, DAN 40500, and DAN 40600 (prerequisites or permission of instructor required). Select six credit hours from Tap Technique DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, and DAN 41200. Also required are DAN 11000, DAN 30900, DAN 31000, DAN 37100, DAN 37200, DAN 47000 (may be repeated for credit), DAN 47200, PE 20700 and PE 31000. See a Dance major advisor.

Foreign Language–French (51 credit hours)

Course requirements for K-12 certification in Foreign Language-French are completion of a major in French, a minor in Education (K-12), and EDU 33200. See the French major under Foreign Language in the catalog.

Foreign Language–Spanish (54 credit hours)

Course requirements for K-12 certification in Foreign Language-Spanish are completion of a major in Spanish, a minor in Education (K-12), and EDU 33200. See the Spanish major under Foreign Language in the catalog.

Health (45 credit hours)

Course requirements for the Secondary (Grades K-12) certificate in Health are EDU 27500, BIO 10000, BIO 22700, BIO 22800, CHM 10000, PE 16000, PE 20000, PE 30000, PSY 10000, PSY 22000, PSY 36500, SOC 31500. Select four credit hours of Health electives to be selected from BIO 12100, PE 30500, PE 31000, PE 31500. See Health major advisor.

Music (Instrumental) (49 credit hours)

Course requirements for K-12 Certification in Instrumental Music are MUS 10200, MUS 13100, MUS 13200, MUS 22100, MUS 22200, MUS 22300, MUS 22400, MUS 22500, MUS 22600, MUS 25000, MUS 35500, MUS 35600, MUS 35700, MUS 36000, MUS 36500, MUS 38300, MUS 38400, MUS 49000; six hours from MUS 10400-40400; and four hours from MUS 10900-20900. Students must also pass a Piano Proficiency Exam.

Music (Vocal/Choral) (49 credit hours)

Course requirements for K-12 Certification in Vocal/Choral Music are MUS 10200, MUS 13100, MUS 13200, MUS 22500, MUS 25000, MUS 35500, MUS 35600, MUS 35700, MUS 37000, MUS 37500, MUS 37900, MUS 38300, MUS 38500, MUS 49000; six hours from MUS 10400-40400; and six hours from MUS 11000-21000. Students must also pass a Piano Proficiency Exam.

Physical Education (51 credit hours)

Education course requirements for K-12 Certification in Physical Education are EDU 32500, EDU 34000.

Physical Education degree requirements are as follows: PE 15000, PE 16000, PE 20000, PE 33500, PE 20700 or BIO 22700, PE 33600, PE 22000, PE 30500, PE31000, PE 31500, PE 31800, PE 32000, PE 40000 plus four credit hours of coursework in Team or Lifetime Sports selected from the following list of courses:

(Team Sports)

PE 10000, PE 10100, PE 10200, PE 10300, PE 10400, PE 10500, PE 10600, PE 10700, PE 10800, PE 10900, PE 11000.

(Lifetime Sports)

PE 11200, PE 12000, PE 12100, PE 12200, PE 12600, PE 12700, PE 12900, PE 13000, PE 13100, PE 13200, PE 13300, PE 13400, PE 13500, PE 13600, PE 13700, PE 13800, PE 13900, PE 14000, PE 14100, PE 14200, PE 14300, PE 14400, PE 14500, PE 14800, PE 14900, PE 15100, PE 15200, PE 15300, PE 15400, PE 15500, PE 15600, PE 15700, PE 15800, PE 15900, PE 16100, PE 17000, PE 17100, PE 17200, PE 17300, , PE 20300, PE 24000, PE 26200, PE 31800.

Other required courses are one mathematics course (MTH 14100 recommended), CHM 10000, and BIO 10000. See Physical Education advisor.

Special Education Add-On Certification and Minor

Students seeking special education certification must complete a major in either early childhood, elementary, middle school, or a secondary content area with a minor in secondary (9-12) or K-12 education. Special education is a minor and add-on certification program. Hours required are dependent on the student's major. A transcript in the completed program acknowledges special education as a minor. Courses must be carefully planned and sequenced by the student and the student's advisor, as some courses are offered intermittently.

Education Minor (non-certification)

The minor in Education is designed for students who do not wish teacher certification but are pursuing a career path in a field where they may be working with school age children. Course requirements for the education minor are EDU 10000, EDU 11100, EDU 20200, EDU 30400, EDU 32000, EDU 34100, EDU 32100, EDU 30700, and nine credit hours of education electives.

Education Minor (K-12 certification)

The minor in education K-12 is designed for students who are working toward teacher certification. Course requirements for the education minor are EDU 10000, EDU 11100, EDU 20200, EDU 30400, EDU 30700, EDU 34100, EDU 32100, EDU 34300, EDU 38000, the K-12 Methods Course related to the certification area, and EDU 41000.

Education Minor (9-12 certification)

The minor in Education 9-12 is designed for students who are working toward teacher certification. Course requirements for the education minor are EDU 10000, EDU 11100, EDU 20200, EDU 30400, EDU 30700, EDU 34100, EDU 32100, EDU 34300, EDU 38000, the 9-12 Methods Course related to the certification area, and EDU 41000.

Bachelor of Arts in Educational Studies

An Educational Studies Degree is designed for those students who want to work in an educational field that does not require certification. Those students would meet the same admissions criteria and complete the same requirements as those admitted to the Teacher Education Program with the exception of student teaching and passage of the state-mandated exit assessment. This university degree does not serve as a license to teach.

DEPARTMENT OF HEALTH AND FITNESS SCIENCES (MR. RANDY BIGGERSTAFF, CHAIR)

The Department of Health and Fitness Sciences offers degrees in the following areas:

1. Bachelor of Science in Athletic Training
2. Bachelor of Science in Exercise Science
3. Bachelor of Science in Physical Education
4. Bachelor of Arts in Physical Education with Teaching certification K-12
5. Bachelor of Arts in Health with Teaching certification K-12
6. Bachelor of Arts in Physical Education with Teaching certification K-12 and Health K-12 Add-on

The department also offers minors in the following areas:

1. Health and Wellness
2. Sport and Fitness Management
3. Strength and Conditioning
4. Coaching

Athletic Training Program Description

Lindenwood University offers a Bachelor of Science in Athletic Training. This program is designed to prepare the athletic training students to succeed on the Board of Certification (BOC) certification examination and become Certified Athletic Trainers. The student must complete the required coursework and a minimum of 1210 contact hours with an approved clinical instructor, clinical instructor and/or a certified athletic trainer. During the contact hours, the student successfully completes the National Athletic Trainer's Association's Athletic Training Clinical Competencies and Proficiencies; the remaining contact

hours will be completed during field experiences in various athletic training settings.

The Athletic Training Education Program at Lindenwood University is a 3 year rigorous and intense program that places specific requirements and demands on the students enrolled in the program. Each student entering the program is required to have a physical examination performed prior to admittance. Lindenwood University's Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education, CAATE.

Bachelor of Science in Athletic Training (79 credit hours)

The Bachelor of Science in Athletic Training requires completion of the following courses: AT 29000, AT 29300, AT 29500, AT 30100, AT 30200, AT 30300, AT 39000, AT 39100, AT 39200, AT 39300, AT 39400, AT 39500, AT 42800, AT 42900, AT 30400, AT 43100, AT 43200, AT 43300, AT 39600, AT 43600, AT 39700, AT 43800, AT 43900, PE 16000, PE 20000, PE 31000, PE 31500, and PE 31600. Also required are CHM 10000, BIO 10000, BIO 12100, BIO 22700, BIO 22800, PSY 10000, MTH 14100, and one MTH elective numbered 12100 or higher. See Athletic Training advisor.

EXERCISE SCIENCE

PROGRAM DESCRIPTION (72 – 75 CREDITS)

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.

Prospective students must meet the minimum criteria listed below to be considered for admission to the program.

- An overall cumulative minimum GPA of 2.50.
- C or better on all prerequisites
- Admission to Lindenwood University
- Declared Exercise Science as a major

Other Requirements:

Students must be within 12 credit hours of graduation to register for internship and have completed EXS 410 prior to taking EXS 440 (Internship).

Graduation Requirement: Completion of EXS 440 and 2.50 overall GPA.

Bachelor of Science in Exercise Science

The degree requires BIO 12100, BIO 22700, BIO 22800, PE 16000, PE 22000, PE 30500, PE 31000, PE 32000, PE 35600, AT 29500, EXS 25000, EXS 26000, EXS 30000, EXS 32500, PE 31500, PE 31600, EXS 38500, EXS 39500, EXS 34000, EXS 41000, EXS 43000, EXS 44000.

Other required courses include BIO 10000, CHM 10000, and MTH 14100.

Bachelor of Arts in Health with Teaching Certification in K-12 (86 credit hours)

This degree requires the completion of PE 16000, PE 20000, PE 30000, PE 31000, PE 31500, SOC 31500, PSY 10000, PSY 22000, PSY 36500, BIO 22700, BIO 22800. The following Education courses are also required: EDU 10000, EDU 11100, EDU 21500, EDU 27500, EDU 20200, EDU 30400, EDU 30700, EDU32100, EDU 32500, EDU 34100, EDU 34300, EDU 38000, and EDU 41000. Also required are CHM 10000, BIO 10000, and one math elective (MTH 14100 recommended). See Health advisor.

Bachelor of Arts in Physical Education with Teaching K-12 and Health K-12 Add-on (149 credit hours)

For those students wishing to get a Health Certification Add-on, an additional 12 credit hours of coursework is required in conjunction with the physical education requirements above. The extra requirements are EDU 27500, PE 30000, PSY 22000, PSY 36500, and SOC 31500. An additional 13 credit hours must be chosen from PE 20000, (PE 20700 or BIO 22700), PE 31000, and PE 315000. See Physical Education advisor.

Bachelor of Science in Physical Education (78 credit hours)

The Bachelor of Science in Physical Education allows students to work in a non-traditional setting. Places of employment may be in community health, community fitness centers and health and wellness areas. This requires the following courses: PE 15000, PE 16000, PE 20000, PE 20300, PE 20700, PE 22000, PE 30000, PE 30500, PE 31000, PE 31500, PE 31800, PE 32000, PE 34900, PE 35600, PE 40000, and one Theory and Methods of Coaching course, EDU 32500, PSY 10000, one PSY course 20000 level and above. Additional course requirements are: BIO 10000, CHM 10000, and 2 math electives (MTH 12100 and MTH 14100 recommended). See Physical Education advisor.

Students must also complete 6 credit hours in Team or Lifetime Sports selected from the following list of courses:

(Team Sports)

PE 10000, PE 10100, PE 10200, PE 10300, PE 10400, PE 10500, PE 10600, PE 10700, PE 10800, PE 10900, PE 11000,

(Lifetime Sports)

PE 11200, PE 12000, PE 12100, PE 12200, PE 12600, PE 12700, PE 12900, PE 13000, PE 13100, PE 13200, PE 13300, PE 13400, PE 13500, PE 13600, PE 13700, PE 13800, PE 13900, PE 14000, PE 14100, PE 14200, PE 14300, PE 14400, PE 14500, PE 14800, PE 14900, PE 15100, PE 15200, PE 15300, PE 15400, PE 15500, PE 15600, PE 15700, PE15800, PE 15900, PE 16100, PE 17000, PE 17100, PE 17200, PE 17300, PE 20300, PE 24000, PE 26200, PE 31800.

Minors

Lindenwood University Health and Fitness Sciences Department also offers four minors: Strength and Conditioning, Health and Wellness, Sport and Fitness Management, and Coaching. The Strength and Conditioning minor has the components necessary to sit for the National Strength and Conditioning Association (NSCA) or American College of Sports Medicine (ACSM) certification exams in strength and conditioning. The student will also be eligible for a certification from Aerobic and Fitness Association of America (AFAA). Sport and Fitness Management Minor prepares students to enter the world of ownership or management in the healthcare system. Health and Wellness minor gains additional information for helping people cope with the sociological and psychological

areas of well-being. The coaching minor allows students to understand and practice all components of coaching.

Minor in Health and Wellness (31 credit hours)

Minor in Health and Wellness requires PE 20000, PE 30000, PSY 10000, PSY 22000, SOC 22000, plus 15 credit hours selected from PSY 20000, PSY 20800, PSY 30300, PSY 31200, PSY 33000, PSY 33200, PSY 33400, REL 22000, REL 30000, REL 30500, SOC 31500, SOC 31800, SW 24000, SW 28000.

Minor in Sport and Fitness Management (30 credit hours)

Minor in Sport and Fitness Management requires EXS 25000, EXS 30000, SPMGT 27020, SPMGT 47080, COM 30300, plus 15 credit hours of elective coursework selected from: EXS 33000, ACCT 21010, ECON 23010, MIS 24000, MGMT 26032, HRM 36510, HRM 36540, MRKT 35010, SPMGT37050, MGMT 26061, SPMGT 37060.

Minor in Strength and Conditioning (31 credit hours)

Minor in Strength and Conditioning requires 31 credit hours of coursework as follows: EXS 25000, EXS 26000, EXS 30000, EXS 33000, EXS 38500, EXS 45000, AT 29500 or PE 20400, PE 30500, PE 31800, PE 35600.

Minor in Coaching (30 credit hours)

Minor requirements are as follows: PE 16000, PE 20400 or AT 29000 and AT 29500, PE 31800, PE 32000, PE 34900, PE 35600. Also required are nine credit hours selected from PE 35000, PE 35100, PE 35200, PE 35300, PE 35400, PE 35500, PE 35700, PE 35800. An additional three credits are selected from PE 42050, PE 42051, PE 42052, PE 42053, PE 42054, PE 42055, PE 42056, PE 42057 or PE 42058.

SCHOOL OF FINE & PERFORMING ARTS

Program Description

Lindenwood University's School of Fine and Performing Arts offers the Bachelor of Arts and Bachelor of Fine Arts degree programs in a variety of areas including Art, Dance, Fashion Design, Music, Performing Arts, and Theatre. Specific details about each degree program can be found in the program description within each academic department.

All students who are B.F.A. candidates must present an exhibition of their work in their final semester. Students must receive prior faculty approval two months before their show regarding the content of their B.F.A. exhibition. No work will be hung without faculty approval. All students must surrender one work approved by the faculty in their final semester.

Programs are available for concentration in Art, Dance, Music, and Speech/Theatre Education. Contact the Education department about requirements concerning teacher certification.

Early Access to the M.A. or M.F.A. Program

With approval of the dean of fine & performing arts and the provost, students may take up to nine semester hours at the graduate level during their senior year. These hours will count toward the M.A. or M.F.A. degree, but not toward a bachelor's degree. A student must be enrolled in at least 12 semester hours of undergraduate classes each semester that he or she is taking master's degree credits under this option.

DEPARTMENT OF ART (MR. JOHN TROY, CHAIR)

The Department of Art offers degrees in the following programs:

1. Bachelor of Fine Arts in
 - a. Studio Art
 - b. Graphic Design
2. Bachelor of Arts in
 - a. Studio Art
 - b. Art History
 - c. Graphic Design

The department also offers minors in Studio Art, Art History, and Graphic Design. See each degree program for specific course requirements.

Bachelor of Fine Arts in Studio Art (60 credit hours)

The bachelor of fine arts in studio art requirements include ART 10600, ART 10800, ART 12000, ART 13000, ART 13600, ART 18100, ART 22200, ART 22400, ART 33000, ART 33100, ART 40000, and ART 46000. Also required are six credit hours from ART 33000 or ART 33100 (both courses are repeatable for credit); six credit hours of Art History selected from ART 35400, ART 35600, ART 35700, ART 35900, ART 36100, ART 36200, ART 36300, ART 36400, ART 36900, ART 37100, ART 38300, ART 38500; plus 12 credit hours of Studio Art electives selected from ART 20000, ART 24000, ART 25000, ART 30000, ART 30600, ART 30800, ART 31500, ART 32000, ART 33400, ART 34000, ART 35000.

Note: Duplication of course requirements is prohibited.

Bachelor of Fine Arts in Graphic Design (75 credit hours)

The bachelor of fine arts in graphic design requires the following courses: ART 10600, ART 10800, ART 12000, ART 13000, ART 13600, ART 18100 or ART 18101, ART 22200, ART 22400, ART 25000, ART 30600, ART 30800, ART 31000, ART 31500, ART 32200, ART 33000 or ART 33100, ART 36900, ART 40000, ART 41800, ART 41900, ART 46000, ART 46500, COM 23300, COM 33400, COM 33600, and COM 44300.

Bachelor of Arts in Studio Art (48 credit hours)

The bachelor of arts in studio art requires the following courses: ART 10600, ART 10800, ART 12000, ART 13000, ART 13600, ART 18100, ART 22200, ART 22400, ART 33100, ART 40000; plus three credit hours from ART 33000, ART 33100; six credit hours of Art History selected from ART 35400, ART 35600, ART 35700, ART 35900, ART 36100, ART 36200, ART 36300, ART 36400, ART 36900, ART 37100, ART 38300, ART 38500; nine credit hours of Studio Art electives selected from ART 20000, ART 24000, ART 25000, ART 30000, ART 30600, ART 30800, ART 31500, ART 32000, ART 33400, ART 34000, ART 35000. *Note: Duplication of course requirements is prohibited.*

Bachelor of Arts in Graphic Design (57 credit hours)

The bachelor of arts in graphic design requires the following courses: ART 10600, ART 10800, ART 12000, ART 13000, ART 13600, ART 22200, ART 22400, ART 25000, ART 30600, ART 30800, ART 31000, ART 32200, ART 33000 or ART 33100, ART 36900, ART 40000, ART 41800, ART 41900, COM 23300, COM 33400.

Bachelor of Arts in Art History (54 credit hours)

The bachelor of arts in art history requires the following courses: ART 10600, ART 22200, ART 22400, ART 40000; plus three credit hours selected from ART 10800, ART 12000, ART 13000, ART 18100; six credit hours of Art History pre-1800

selected from ART 35600, ART 35700, ART 35900, ART 38300; six credit hours of Art History post-1800 selected from ART 35400, ART 36100, ART 36200, ART 36300; 21 credit hours of Art History (any era) selected from ART 35400, ART 35600, ART 35700, ART 35900, ART 36100, ART 36200, ART 36300, ART 36400, ART 36900, ART 37100, ART 38300, ART 38500. Also required are six credit hours of Spanish, French, Chinese, Russian, or German to satisfy the General Education cross-cultural/foreign language requirement.

Note: Courses cannot count twice towards fulfilling degree requirements.

Minor in Art History (27 credit hours)

A minor in Art History requires (ART 10600 or ART 13000) and ART 22200, ART 22400; three credit hours of Art History pre-1800 selected from ART 35600, ART 35700, ART 38300; three credit hours of Art History post-1800 selected from ART 35400, ART 36100, ART 36200; and 12 credit hours of Art History (any era) selected from ART 35400, ART 35600, ART 35700, ART 35900, ART 36100, ART 36200, ART 36300, ART 36400, ART 36900, ART 37100, ART 38300. *Note: Courses cannot count twice towards fulfilling minor requirements.*

Minor in Graphic Design (27 credit hours)

A minor in graphic design requires ART 10600, ART 10800, ART 12000, ART 13000, ART 20500, ART 30600, ART 30800, ART 31000, COM 23300.

Minor in Studio Art (27 credit hours)

A minor in studio art requires ART 10600, ART 10800, ART 13000, ART 13600, ART 22200, ART 22400, ART 33100, three additional credit hours from ART 33000 or ART 33100; and three credit hours of Studio Art electives selected from ART 12000, ART 18100, ART 18101, ART 20000, ART 24000, ART 31500, ART 32000, and ART 33400.

DEPARTMENT OF DANCE (MS. JAN STRZELEC, CHAIR) PROGRAM DESCRIPTION

Lindenwood University offers the following degrees in dance: Bachelor of Arts in Dance and Bachelor of Arts in Arts Management-Dance. A minor in dance is also offered. The dance major focuses on three major areas: creative, technical, and historical/theoretical. The Arts Management degree also includes business and nonprofit curriculum elements. See each degree program for specific course requirements.

Both majors provide students with a varied range of course and performance opportunities designed to prepare each student for entry into his/her chosen career. Some career paths in dance include dance teacher/educator; dance therapist; dance historian/writer; dance critic; dance notator; dance administrator; dance technology specialist; dance company manager; and professional dancer in dance companies, musical theater, videos, and commercials.

Bachelor of Arts in Dance (51 credit hours)

The bachelor of arts in dance requires 51 credit hours of coursework. Specific course requirements are: three (3) hours of practicum from DAN 10300, DAN 20300, DAN 37500; nine (9) hours of ballet from DAN 32000, DAN 32100, DAN 32200, DAN 32300, DAN 42000, DAN 42100, DAN 42200, DAN 42300; nine (9) hours of jazz from DAN 30400, DAN 30500, DAN 30600, DAN 40400, DAN 40500, DAN 40600; six (6) hours of modern dance from DAN 30100, DAN 30200, DAN

40100, DAN 40200; and six (6) hours of tap from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, DAN 41200, DAN 30900, DAN 31000, DAN 37100, DAN 37200, DAN 47200, PE 31000. In addition, students must take DAN 11000 to satisfy the general education requirement in Fine Arts or one of the general education requirements in cross-cultural. Dance majors are also strongly encouraged to take TA 10500 as an elective class.

Bachelor of Arts in Arts Management—Dance (51 credit hours)

The bachelor of arts in arts management requires the following courses: RTAIL 15510, ACCT 21010, ECON 23010, MGMT 26032, MRKT 35010, MGMT 26061, NPA 30000, DAN 10100, DAN 11000, DAN 20400, DAN 22000, DAN 30100, DAN 30400, DAN 30900, DAN 37100, DAN 37200, and three hours of dance electives chosen from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 32000, DAN 40400, DAN 41100, DAN 41200, DAN 42000, DAN 42100. Advanced levels (30000-40000) of ballet, jazz, modern, and tap may be taken in place of DAN 10100, DAN 20400, DAN 22000.

Minor in Dance (27 credit hours)

A minor in dance requires the following courses: three hours of modern dance from DAN 20900, DAN 30100, DAN 30200, DAN 40100, DAN 40200; six hours of ballet from: DAN 22000, DAN 22100, DAN 31200, DAN 32000, DAN 32200, DAN 32300, DAN 42000, DAN 42100, DAN 42200, DAN 42300; six (6) hours of jazz from DAN 20400, DAN 20500, DAN 30400, DAN 30500, DAN 30600, DAN 40400, DAN 40500, DAN 40600; three (3) hours of tap from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, DAN 41200, (DAN 11000 or DAN 371), DAN 30900; and three (3) hour of dance practicum from DAN 10300, DAN 20300, or DAN 37500.

DEPARTMENT OF FASHION DESIGN (MS. FLORENCE DEWAN, CHAIR) PROGRAM DESCRIPTION

The Department of Fashion Design offers the following undergraduate degrees:

1. B.A. in Fashion Design
2. B.F.A. in Fashion Design

The department also offers a minor in Fashion Design.

Through this major, the department provides students with educational opportunities that will enable them to enter the professional world of fashion in a variety of areas, including design and manufacturing. Through studio and traditional courses, internships, and the use of state-of-the-art software, the graduate in fashion design is prepared to enter the competitive world of fashion or graduate school. All Fashion Design majors are expected to design and execute a collection of original designs in their senior year. In all cases, a proposal outlining the design concept for the senior collection must be submitted in writing and approved by the faculty sponsor one semester before the annual student fashion show.

Bachelor of Arts in Fashion Design (48 credit hours)

The bachelor of arts in fashion design requires the following courses: (FD 21200 or TA 21200), (FD 23000 or TA 23000), (FD 23500 or TA 23500), FD 26000, FD 30900, FD 3400, FD 35000, FD 38000, (FD 40500 or TA 40500), FD 45000, FD 49900, ART 12000, ART 13000, ART 31600, ART 33100, (ART 37100 or TA 37100).

Students must also take, ART 22200 History of Western Art to 1300 (3) (GE-FineArt/CrsClI) or ART 22400 History of Western Art from 1300 (3) (GE Fine Art/CrsClI) to fulfill a general education requirement in Fine Arts or to satisfy one cross-cultural course.

Bachelor of Fine Arts in Fashion Design (60 credit hours)

The bachelor of fine arts in fashion design requires the following courses: (FD 21200 or TA 21200), (FD 23000 or TA 23000), (FD 23500 or TA 23500), FD 26000, FD 30900, FD 3400, FD 35000, FD 35100, FD 38000, (FD 40500 or TA 40500), FD 45000, FD 46500, FD 49900, ART 12000, ART 13000, ART 31600, ART 33100, (ART 37100 or TA 37100,) and two courses from FD 35200, FD 36000, FD 37600, FD 46000, and RTAIL 15510.

Students must also take ART 22200 History of Western Art to 1300 (3) (GE-FineArt/CrsClI) or ART 22400 History of Western Art from 1300 (3) (GE Fine Art/CrsClI) to fulfill a general education requirement in Fine Arts or to satisfy one cross-cultural course.

Minor in Fashion Design (27 credit hours)

The minor in Fashion Design requires the following courses: (FD 21200 or TA 21200), (FD 2300 or TA 23000), (FD 23500 or TA 23500), FD 26000, FD 30900, ART 12000, ART 13000, ART 22200, (ART 37100 or TA 37100).

DEPARTMENT OF MUSIC (MR. JOE ALSOBROOK, CHAIR) PROGRAM DESCRIPTION

The Department of Music offers Bachelor of Arts degrees in Music, Music Business, and Music Performance. The Bachelor of Arts in Music degree is designed for students who wish to study a general music curriculum and pursue a broad liberal arts education. This degree program can be combined with a minor in Education to complete Missouri requirements for K-12 certification in Instrumental or Vocal/Choral music. The Bachelor of Arts in Music Business degree combines traditional music curricula with courses in business, management, marketing, promotion, communications, and non-profit administration. The degree culminates with an internship and also includes all requirements for a Minor in Business Administration. The Bachelor of Arts in Music Performance degree is designed for students who wish to extend and refine their performance skills and engage in a concentrated study of repertoire. The department also offers a minor in Music and a minor in Music Composition.

Bachelor of Arts in Music (49 credit hours)

The major in Music requires the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 22500, MUS 25000, MUS 35500, MUS 35600, MUS 35700, MUS 49000; six hours from MUS 10400-40400; six hours from MUS 10900-20900 or MUS 11000-21000; and fifteen hours of music electives numbered 300 or above. Students must also pass a Piano Proficiency Exam.

The music courses required for the major are not to be used to satisfy general education requirements. A total of one hundred twenty-eight hours are required for the Bachelor of Arts in Music degree.

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 the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 22100,

MUS 22200, MUS 22300, MUS 22400, MUS 22500, MUS 22600, MUS 25000, MUS 35500, MUS 35600, MUS 35700, MUS 36000, MUS 36500, MUS 38300, MUS 38400, MUS 49000; six hours from MUS 10400-40400; and four hours from MUS 10900-20900. Students must also pass a Piano Proficiency Exam. Adding a Vocal/Choral Endorsement to this program requires the following courses: two hours from MUS 11000 and/or MUS 21000, four hours from MUS 12400, 12500, and/or MUS 10400-40400, MUS 37000, MUS 37500, MUS 37900, and MUS 38500.

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 the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 22500, MUS 25000, MUS 35500, MUS 35600, MUS 35700, MUS 37000, MUS 37500, MUS 37900, MUS 38300, MUS 38500, MUS 49000; six hours from MUS 10400-40400; and six hours from MUS 11000-21000. Students must also pass a Piano Proficiency Exam. Adding an Instrumental Endorsement to this program requires the following courses: two hours from MUS 10900 and/or MUS 20900, two hours from MUS 10400-20400, MUS 22100, MUS 22200, MUS 22300, MUS 22400, MUS 22600, MUS 36000, MUS 36500, and MUS 38400.

The Minor in Education requires the following courses: EDU 11000, EDU 11100, EDU 20200, EDU 21500, EDU 30400, EDU 30700, EDU 32100, EDU 32300, EDU 33800, EDU 34100, EDU 34300, EDU 38000, and EDU 41000.

Upon acceptance into the Teacher Education Program, students may use MUS 35500 and MUS 35600 to satisfy the cross-cultural general education requirements and MUS 35700 to satisfy the fine arts general education requirement. A total of one hundred thirty-five hours are required for the Bachelor of Arts in Music degree with Minor in Education.

Bachelor of Arts in Music Performance-Instrumental (70 credit hours)

The major in Music Performance-Instrumental requires the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 22500, MUS 23100, MUS 25000, MUS 32000, MUS 33300, MUS 35500, MUS 35600, MUS 35700, MUS 39000, MUS 49000; eight hours from MUS 10400-20400 (major instrument); eight hours from MUS 30400-40400 (major instrument); sixteen hours from MUS 10900-20900 and/or MUS 11200-21200; and six hours of music electives numbered 30000 or above. Students must also pass a Piano Proficiency Exam.

Bachelor of Arts in Music Performance-Vocal (70 credit hours)

The major in Music Performance-Vocal requires the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 22500, MUS 23100, MUS 2500, MUS 32000, MUS 33300, MUS 35500, MUS 35600, MUS 35700, MUS 37600, MUS 37700, MUS 39000, MUS 49000; eight hours from MUS 10400-20400; eight hours from MUS 30400-40400; and sixteen hours from MUS 11000-21000 and/or MUS 11300-21300. Students must also pass a Piano Proficiency Exam.

Music Performance majors may use MUS 35500 and MUS 35600 to satisfy the cross-cultural general education requirements and MUS 35700 to satisfy the fine arts general education requirement. A total of one hundred twenty-eight hours are required for the Bachelor of Arts in Music Performance degree.

Bachelor of Arts in Music Business (89 credit hours)

The bachelor of arts in music business requires the following courses: MUS 10200, MUS 13100, MUS 13200, MUS 33000, MUS 49900; four hours from MUS 10400-40400; a combination of six credit hours from MUS 10900-20900 and MUS 11000-21000; and eight hours of music electives. Also required are: ACCT 21010, ACCT 21011, MIS 24000, FIN 32000, MGMT 36032, HRM 36510, MRKT 35010, ENTR 37510, MGMT 36061, MGMT 46050, MRKT 45060, COM 23300, COM 30300, NPA 10000, and NPA 30000 or NPA 37100. The required courses for the degree also include all requirements for a minor in Business Administration.

Music Business majors may use MTH 13100 or MTH 14100 to satisfy the math general education requirement, ECON 23010 to satisfy a social science general education requirement, MUS 35500 and MUS 35600 to satisfy the cross-cultural general education requirements, and MUS 35700 to satisfy the fine arts general education requirement. A total of one hundred twenty-eight hours are required for the Bachelor of Arts in Music Business degree with a minor in Business Administration.

Minor in Music (21 credit hours)

A minor in music requires the following courses: MUS 13100, MUS 13200, MUS 35500, MUS 35600, four hours of private lessons from MUS 10400-40400; and three hours from MUS 10900-20900 or MUS 11000-21000.

Minor in Music Composition (21 credit hours)

A minor in music composition requires the following courses: MUS 13100, MUS 13200, MUS 23100, MUS 33300, MUS 33600, MUS 33700, MUS 33800, and MUS 33900.

DEPARTMENT OF PERFORMING ARTS (MR. LARRY QUIGGINS, CHAIR) PROGRAM DESCRIPTION

The Department of Performing Arts offers both a Bachelor of Arts in Performing Arts and a minor in Performing Arts. The Bachelor of Arts in Performing Arts is an interdisciplinary major offered through the programs in Music, Dance, and Theatre. Because this program spans three disciplines, it is imperative that the student's electives be chosen from 30000-40000 level classes across the curriculum in order to comply with graduation requirements for upper division coursework.

Bachelor of Arts in Performing Arts (48 credit hours)

The bachelor of arts in performing arts requires the following courses: MUS 10000, TA 10100, TA 11100, (TA 20100 or TA 20400), TA 30400, TA 37000, DAN 10100 (may be waived based on student's experience or training); six hours of ballet selected from DAN 22000, DAN 22100, DAN 31200, DAN 32000, DAN 32200, DAN 32300, DAN 42000, DAN 42100, DAN 42200, DAN 42300; six hours of jazz selected from DAN 20400, DAN 20500, DAN 30400, DAN 30500, DAN 30600, DAN 40400, (DAN 40500 or DAN 40600); three hours of tap selected from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, DAN 41200; plus MUS 11400, MUS 12400 or private voice lessons (2 credit hours), MUS 12500 or private voice lessons (2 credit hours); and 3-4 hours of applied dance, music or theatre selected from DAN 10300, DAN 20300, DAN 30300, DAN 40300, MUS 11000, MUS 21000, MUS 31000, MUS 41000, TA 30100, TA 40100. Also a Senior Project must be chosen from DAN 47200 or TA 49900.

Minor in Performing Arts (27 credit hours)

The minor in Performing Arts requires the following courses: TA10100, TA 20600, TA 37000, DAN 37100; six (6) hours of electives in music or dance courses; and nine hours in the emphasis area. Course descriptions may be found in the Dance, Music, and Theatre sections of the catalog.

Students must also demonstrate piano proficiency. They may be required to take MUS 11400 and MUS 11500 to learn the piano skills required.

DEPARTMENT OF THEATRE (MR. LARRY QUIGGINS, CHAIR) PROGRAM DESCRIPTION

The Bachelor of Fine Arts degrees in Acting, Directing, Technical Theatre/Design, and Musical Theatre are designed to prepare students for entry into the professional theatre as an actor, director, technician, designer, or in management. In addition to the courses listed below for each degree, students are required to take TA 33600, Survey of Dramatic Literature, as one of the Literature classes in the general education core. Students in the B.F.A. programs are required to attend mandatory assessment meetings with the theatre faculty at the end of each semester. If a student's work is deemed to be deficient, he/she may be put on probationary status in the program or asked to consider another major with the opportunity to re-audition into the program the following semester or academic year. If necessary, it is recommended that full-time students pursuing the B.F.A. work no more than 15 hours per week in outside employment. Students must receive permission from the department to work on a non-departmental production in any capacity. The Department of Theatre offers the following Undergraduate degrees:

1. B.A. in Theatre
2. B.F.A. in Acting
3. B.F.A. in Directing
4. B.F.A. in Technical Theatre/Design
5. B.F.A. in Musical Theatre
6. B.A. in Arts Management-Theatre

A minor in Theatre is also offered.

Early Access to the M.A. or MFA Program

With approval of both the dean of Fine and Performing Arts and the provost, a student may take up to 9 semester hours at the graduate level during his/her senior year. These hours will count toward the M.A. or MFA degree, but not toward the bachelor's degree. A student must be enrolled in at least 12 semester hours of undergraduate classes each semester that he or she is taking master's degree credits under this option.

Bachelor of Arts in Theatre (48 credit hours)

The course requirements for the Bachelor of Arts in Theatre are: TA 10100, TA 11100, TA 11200, TA 20100, TA 20400, TA 21000, TA 21600, TA 30400, TA 30500, TA 30600, TA 37000, TA 48000 plus 12 hours of TA electives.

Successful progress is measured as having a grade of "C" or better in all major coursework.

Bachelor of Fine Arts in Acting (65 credit hours)

The bachelor of fine arts in acting requires the following courses: TA 10100, TA 11100, TA 20100, TA 20400, TA 21000, TA 21600, TA 30400, TA 30600, TA 37000, TA 48000, TA 49900; 12 credit hours of Acting Studios: TA 30100-(repeatable for credit), TA 40100-(repeatable for credit); and one (1) hour from TA 10000, TA 20000, TA 30000, TA 40000. Also required

are: COM 15400, COM 35400; DAN 10100, DAN 20400, DAN 20500, MUS 12400, and MUS 12500.

Bachelor of Fine Arts in Directing (62 credit hours)

The bachelor in fine arts in directing requires the following courses: TA 10100, TA 11100, TA 11200, TA 20100, TA 20700, TA 21000, TA 30400, TA 30500, TA 30600, TA 33500, TA 35000, TA 37000, TA 48000, TA 49900; six credit hours in TA 40600; and two credit hours from: TA 10000, TA 20000, TA 30000, TA 40000. Also required are (ART 22200 or ART 22400); COM 15400, COM 35400; MUS 16500.

Bachelor of Fine Arts in Technical Theatre/Design (60 credit hours)

The bachelor in fine arts in technical theatre/design requires the following courses: TA 10100, TA 11100, TA 11200, TA 20700, TA 21000, TA 30400, TA 30500, TA 30600, TA 37000, TA 40400, TA 40700, TA 40800, TA 48000, TA 49900; two credit hours from TA 10000, TA 20000, TA 30000, TA 40000. Also required are ART 10600, ART 10800, ART 12000, ART 13000, (ART 22200 or ART 22400), COM 35100

Bachelor of Fine Arts in Musical Theatre (60 credit hours)

The bachelor of fine arts in musical theatre requires the following courses: six credit hours of Ballet selected from DAN 22000, DAN 22100, DAN 31200, DAN 32000, DAN 32200, DAN 32300, DAN 42000, DAN 42100, DAN 42200, DAN 42300; six credit hours of Tap selected from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, DAN 41200; six credit hours Jazz selected from DAN 30400, DAN 30500, DAN 30600, DAN 40400, DAN 40500, DAN 40600; eight credit hours Private Voice selected from MUS 10400, MUS 20400, MUS 30400, MUS 40400; one credit hour choral ensemble selected from MUS 11000, MUS 21000, MUS 31000, MUS 41000, MUS 11300, MUS 21300, MUS 31300, MUS 41300. Also required are TA 10100, TA 11100, TA 20100, TA 21600, TA 30400, TA 37000, TA 48000, TA 49900; nine credit hours in TA 30300 (repeatable for credit); and two credit hours from TA 10000, TA 20000, TA 30000, TA 40000.

Students pursuing the B.F.A. in Musical Theatre should be able to enter the intermediate levels of jazz and tap dance. If students are not at these levels, they may have to take additional coursework at the 10000 or 20000 level to gain appropriate skills for the upper level classes.

Bachelor of Arts in Arts Management (54 credit hours)

Required courses are MIS 14000, ACCT 21010, ECON 23010, MGMT 26032, ENTR 37510, MRKT 35010, MGMT 26061, ART 21000, (ART 22200 OR ART 22400), ART 36400, DAN 11000, DAN 37100, MUS 10000, MUS 33000, NPA 30000, TA 11700, TA 33600, and TA 37000.

Bachelor of Arts in Arts Management–Theatre (51 credit Hours)

The bachelor of arts in arts management-theatre requires the following courses: TA 10100, TA 11100, TA 21000, TA 30400, TA 30600; and 15 credit hours of theatre electives from the following: TA 20100, TA 20400, TA 20700, TA 20900, TA 21600, TA 30100, TA 30300, TA 30500, TA 31700, TA 33500, TA 33600, TA 35000, TA 37000, TA 40100, TA 40400, TA 40500, TA 40600, TA 40700, TA 40800, TA 40900, TA 43000, (TA 46500 or TA 48000). Also required are RTAIL 15510, ACCT 21010, ECON 23010, MGMT 26032, MRKT 35010, MGMT 26061, and NPA 30000.

Minor in Theatre (27 credit Hours)

The minor in theatre requires TA 10100, TA 11100, TA 20100, TA 20400, TA 21600, TA 30400, TA 37000; and six hours of electives in Theatre from the following: TA 11200, TA 20700, TA 20900, TA 30100, TA 30300, TA 30500, TA 31700, TA 33500, TA 33600, TA 35000, TA 40100, TA 40400, TA 40500, TA 40600, TA 40700, TA 40800, TA 40900, TA 43000, TA 46500, TA 48000.

SCHOOL OF HUMAN SERVICES

The School of Human Services offers degrees in the following areas:

1. Christian Ministry Studies
2. Criminal Justice
3. Fire and Paramedic Science
4. Nonprofit Administration
5. Social Work

In conjunction with Washington University, a program in Military Science that leads to an appointment as a commissioned officer in the United States Army is also offered.

Minors are also offered in Christian Ministry Studies, Criminal Justice, Military Science, Nonprofit Administration, Social Welfare.

DEPARTMENT OF CHRISTIAN MINISTRY STUDIES (MR. LUKE BOBO, CHAIR) PROGRAM DESCRIPTION

Students in Christian Ministries Studies program earn a Bachelor of Arts Degree. This program is designed for students who sense or desire to explore a call to Christian Ministry to serve in a church, parachurch, civil or military chaplaincy, denominational setting or faith based organization. It is also beneficial for students who want a thorough knowledge of the Bible, theology, and practical ministry training as preparation for seminary or graduate study. Students must include an emphasis area as part of the degree. Six emphasis areas are available:

1. Missions and Social Justice - The B.A. degree in Christian Ministry Studies with an emphasis in Mission and Social Justice prepares students for service in Christian mission work through denominational or parachurch mission sending organizations. It is also beneficial for students wanting a thorough knowledge of the Bible, theology and practical ministry training in preparation for graduate school or seminary training.
2. Nonprofit Administration - The B.A. degree in Christian Ministry Studies with an emphasis in Nonprofit Administration prepares students for service in parachurch or other nonprofit organizations that require or would benefit from a practical Christian theological education or management and leadership skills for a faith-based human services organization. It is also appropriate for students attending seminary or graduate school with the ultimate goal of service in the nonprofit field. Nonprofits include mission sending organizations, campus ministries, and a great variety of Christian based and faith-based human and community services. Where additional preparation in the nonprofit field is required, students are encouraged to major in CMS in the emphasis of their choice and minor in NPA.
3. Pastoral Ministry - The B.A. degree in Christian Ministry Studies with an emphasis in Pastoral Ministry prepares the student for service in the role of pastor or associate pastor in a local church setting or in parachurch or denominational

positions requiring skills and expertise commonly associated with pastoral ministries.

4. **Recreational Leadership** - The B.A. degree in Christian Ministry Studies with an emphasis in Recreational Leadership prepares students for service in recreation related fields requiring or benefiting from a practical theological education or a faith based orientation. Denominational and non-denominational (parachurch) recreation ministries include campus ministries, local church recreation directors, and most notably, camping and retreat ministries. There are also faith-based nonprofit organizations operating summer camps, sports leagues, and other recreational activities for youth, troubled children, and senior citizens. This concentration is appropriate for future camp managers and directors or recreation directors in local churches or faith-based organizations. It is also appropriate for students attending seminary with the ultimate goal of service in recreation related ministries.
5. **Worship Arts** - The B.A. degree in Christian Ministry Studies with an emphasis in Worship Arts prepares students for service primarily in the local church as worship leader or where understanding of traditional and contemporary worship styles and methods is required. It is also beneficial for students preparing for graduate school or seminary who desire the added worship emphasis.
6. **Youth Ministry** - The B.A. degree in Christian Ministry Studies with an emphasis in Youth Ministry prepares the student for service in the role of Youth Pastor (or student minister) in a local church setting or in parachurch or denominational positions requiring skills and expertise commonly associated with youth ministry.

The major requirements for each emphasis are given below.

Bachelor of Arts in Christian Ministry Studies with Missions and Social Justice Emphasis (58 credit hours)

Course requirements are CMS 10000, CMS 10100, CMS 11000, CMS 11500, CMS 12000, CMS 25100, CMS 30100, CMS 31000, (CMS 33300 or CMS 34000), CMS 47000, (REL 10000 or REL 15000); REL 20200, REL 21000, REL 21100, REL 30000, REL 32500. Also required are 12 credit hours from the following: CMS 22100, CMS 30500, CMS 31100, CMS 31200, CMS 31500, CMS 32100, CMS 35100, CMS 38000, REL 10000- (if not taken as a required course), REL 15000-(if not taken as a required course), ANT 11200, NPA 36000, ACCT 21010, MGMT 26032, and MRKT 35010.

Bachelor of Arts in Christian Ministry Studies with Nonprofit Administration Emphasis (58 credit hours)

Course requirements are CMS 10000, CMS 12000, CMS 25100, CMS 30100, (CMS 33000 or CMS 34000), CMS 35100, NPA 38000, NPA 30000, NPA 35000, NPA 35100, (REL 10000 or REL 15000), REL 20200, REL 21000, REL 21100, REL 30000 and REL 32500. Twelve credit hours must be taken from the following: CMS 10100, CMS 11000, CMS 11500, CMS 20100, CMS 22100, CMS 30200, CMS 30500, CMS 31100, CMS 31200, CMS 31500, CMS 33000, CMS 34000, CMS 35000, CMS 38000, RLS 20200, NPA 30300, NPA 36000, (REL 10000-[if not taken as a required course] or REL 15000-[if not taken as a required course]) and REL 38000.

Bachelor of Arts in Christian Ministry Studies with Recreation Leadership Emphasis (58 credit hours)

Course requirements are CMS 10000, CMS 12000, CMS 25100, CMS 30100, CMS 30500, CMS 31000; (REL 10000 or

REL 15000), REL 20200, REL 21000, REL 21100, REL 30000, REL 32500; REC 15700, REC 10200, REC 20600 and REC 38100. Students must also complete six credit hours from each of the following groups:

Group One consists of REC 28600, REC 28700, REC 28900, REC 30500, REC 31000, REC 39000, REC 41000, REC 36200.

Group Two consists of CMS 10100, CMS 11000, CMS 20100, CMS 22100, CMS 30200, CMS 31100, CMS 31200, CMS 31500, CMS 33000, CMS 34000, CMS 35100, (CMS 38000 or REL 38000).

Bachelor of Arts in Christian Ministry Studies with Pastoral Ministry Emphasis (58 credit hours)

Degree requirements are CMS 10000, CMS 10100, CMS 11500, CMS 12000, CMS 25100, CMS 30100, CMS 30600, CMS 30700, CMS 31000, (CMS 33000 or CMS 34000), CMS 46000, (REL 10000 or REL 15000) , REL 20200, REL 21000, REL 21100, REL 30000, REL 32500. Also required are nine credit hours chosen from CMS 11000, CMS 22100, CMS 30500, CMS 31100, CMS 31200, CMS 31500, CMS 32100, CMS 33000, CMS 34000, CMS 35100, CMS 38000, NPA 36000, ACCT 21010, MGMT 26032, MRKT 35010, REL 10000-(if not taken as a required course or REL 15000-(if not taken as a required course).

Bachelor of Arts in Christian Ministry Studies with Worship Arts Emphasis (58 credit hours)

Course requirements are CMS 10000, CMS 10100, CMS 11500, CMS 12000, CMS 25100, CMS 30100, CMS 31000, (CMS 33000 or CMS 34000), CMS 38000 Worship in the Family of God, CMS38000 Contemporary Worship, CMS 46200, REL 10000 or REL 15000, REL 20200, REL 21000, REL 21100, REL 30000 and REL 32500. Also required are nine credit hours from the following: CMS 11000, CMS 22100, CMS 30500, CMS 31100, CMS 31200, CMS 31500, CMS 32100, CMS 33000, CMS 34000, CMS 35100, CMS 38000, (REL 10000-[if not taken as a required course] or REL 15000-[if not taken as a required course]), NPA 36000, ACCT 21010, MGMT 26032 and MRKT 35010 .

Bachelor of Arts in Christian Ministry Studies with Youth Ministry Emphasis (58 credit hours)

Course requirements are CMS 10000, CMS 12000, CMS 20100, CMS 25100, CMS 30100, CMS 30200, CMS 31000, CMS 35000, CMS 35100, CMS 46100, (REL 10000 or REL 15000), REL 20200, REL 21000, REL 21100, REL 30000 and REL 32500. Also required are 12 credit hours taken from the following: CMS 10100, CMS 11000, CMS 11500, CMS 22100, CMS 30500, CMS 31100, CMS 31200, CMS 31500, CMS 32100, CMS 33000, CMS 34000, CMS 34800, CMS 38000, NPA 36000, (REL 10000-[if not taken as a required course] or REL 15000-[if not taken as a required course]), ACCT 21010, MGMT 26032, and MRKT 35010.

Discipleship Institute

Non-degree seeking students may work toward a certificate in one of six areas of emphasis. Each emphasis includes 15 credit hours. This certificate is appropriate for church lay leadership, staff, or anyone seeking to build proficiency for service in the church or parachurch. Certificate credit may be upgraded later to academic credit at additional cost. Students taking six hours

or fewer do not need to be accepted by the University to take courses for certificate credit. Areas of emphasis include:

1. Theological Certification - CMS 11500, CMS 12000, CMS 22100, CMS 30100, CMS 32100
2. Youth Ministry Certification - CMS 12000, CMS 20100, CMS 30200, CMS 35000, CMS 34800, CMS 30500
3. Discipleship Training Certification - CMS 10100, CMS 11000, CMS 11500, CMS 12000, CMS 35000
4. Missions and Social Justice Certification - CMS 11000, CMS 12000, CMS 31000, CMS 35100, NPA 10000
5. Worship Ministry Certification- CMS 10100, CMS 12000, CMS 31000, two CMS 38000
6. Note: CMS 33000 and CMS 34000 may be repeated if different book is studied.

Contact the CMS Department Chair for more information.

Minor in Christian Ministry Studies (18 credit hours)

Requirements for the minor include CMS 10100, CMS 12000 and twelve elective credit hours taken from the following: CMS 11000, CMS 11500, CMS 20100, CMS 22100, CMS 25100, CMS 30100, CMS 30700, CMS 31000, CMS 31200, CMS 33000, CMS 34000, CMS 34800 and CMS 35000.

DEPARTMENT OF CRIMINAL JUSTICE (DR. PERNELL WITHERSPOON, CHAIR) PROGRAM DESCRIPTION

The Criminal Justice degree prepares students to enter the work force with a generalist degree or with a specified emphasis area in Criminal Justice. The Department of Criminal Justice offers the B.A. degree along with emphasis areas:

1. B.A. in Criminal Justice (No Emphasis Area)
2. B.A. in Criminal Justice, Legal Studies
3. B.A. in Criminal Justice, Corrections/Juvenile
4. B.A. in Criminal Justice, Corrections/Probation and Parole
5. B.A. in Criminal Justice, Law Enforcement
6. B.A. in Criminal Justice, Law Enforcement with Police Academy Option

Entering a criminal justice degree program will provide veterans with the knowledge, skills, and values that are instilled in their training while serving in the U.S. military. Leadership, integrity, respect for diversity, critical thinking, effective communication skills, and a concern for the welfare of others are core values in the criminal justice profession, and many veterans will readily identify with our professional goals of serving people through employment with police, courts, corrections, and other services provided in the field. Veterans will be able to develop their skills in providing a wide range of services. Upon completion of the criminal justice degree, veterans will be prepared for roles in the community. Becoming a criminal justice major following military service is a great career choice and many of the skills learned in the service will apply.

The department also offers a minor in Criminal Justice.

All of the above degrees require the completion of the Criminal Justice core courses listed below. Majors with no emphasis area must complete the Criminal Justice elective courses shown below. Students who are completing the B.A. in Criminal Justice with an emphasis area must complete the indicated courses listed within the particular area of emphasis

Bachelor of Arts in Criminal Justice (45-51 credit hours)

Core Requirements (33 credit hours)

All students seeking the bachelor of arts degree in Criminal Justice must successfully complete the following core courses: CJ 10100, CJ 21000, CJ 30000, CJ 30100, CJ 30500, CJ 31000,

CJ 31100, CJ 31500, CJ 32000, CJ 33100 and CJ 44000.

Criminal Justice Major Electives (12 credit hours)

Students seeking the Criminal Justice degree without an emphasis area must complete the CJ core requirements and 12 credit hours of electives selected from the following: ACCT 21010, MGMT 26032, CHM 31100, CJ 22500, CJ 24000, CJ 32100, CJ 34000, PHL 21400, PSY 20800, PSY 30300, PS 36000, SOC 22000, SOC 31500, SOC 31800, SOC 32200, SW 10000 and SW 24000.

Corrections/Juvenile Emphasis (18 credit hours)

Students seeking the Criminal Justice degree with an emphasis in Corrections/Juvenile are required to complete the CJ core requirements and 18 credit hours from the following: CJ 20500, CJ 22500, CJ 45000, NPA 10000, PSY 20800, PSY 30300, PSY 31300, SOC 21400, SOC 22000, SOC 31500, SW 11000, SW 24000, SW 28000 and SW 30000.

Corrections/Probation and Parole Emphasis (18 credit hours)

Students seeking the Criminal Justice degree with an emphasis in Corrections/Probation and Parole are required to complete the CJ core requirements and 18 credit hours from the following: CJ 20500, CJ 22500, CJ 24000, CJ 34000, CJ 45000, NPA 35000, PS 30100, PSY 30300, SOC 31500, SW 11000, SW 24000 and SW 28000.

Law Enforcement Emphasis (18 credit hours)

Students seeking the Criminal Justice degree with an emphasis in Law Enforcement are required to complete the CJ core requirements and 18 credit hours from the following: ART 18100, MIS 14000, CJ 22500, CJ 24000, CJ 32100, CJ 34000, CJ 45000, FLS 10100, FLS 10200, PHL 21500, PSY 30300, SOC 31500, SOC 32200, SW 24000 and SW 28000.

Law Enforcement Emphasis with Police Academy Option (18 credit hours)

Students seeking the Criminal Justice degree with an emphasis in Law Enforcement with Police Academy Option are required to complete the CJ core-requirements and the following: CJ 46000 (15 credit hours, permission required) and three credit hours from ART 18100, MIS 14000, CJ 22500, CJ 24000, CJ 32100, CJ 34000, CJ 45000, FLS 10100, FLS 10200, PHL 21500, PSY 30300, SOC 31500, SOC 32200, SW 24000 and SW 28000.

Legal Studies Emphasis (18 credit hours)

Students seeking the Criminal Justice degree with an emphasis in Legal Studies are required to complete the CJ core requirements and 18 credit hours of coursework from the following: MGMT 26061, MGMT 36062, CJ 22500, CJ 24000, CJ 32100, CJ 34000, CJ 45000, PHL 21500, PS 15600, PS 30100, PS 31100, PS 36000 and PSY 23100.

Minor In Criminal Justice (24 credit hours)

Students may earn a Criminal Justice minor by completing the following courses: CJ 10100, CJ 21000, CJ 31000, CJ 31500 and twelve credit hours from the following: CJ 30000, CJ 30100, CJ 30500, CJ 31100, CJ 32000, CJ 33100, and CJ 34000.

**DEPARTMENT OF FIRE AND PARAMEDIC SCIENCE
(DR. JULIE TURNER, CHAIR)
PROGRAM DESCRIPTION**

The Fire and Paramedic Science (FPS) degree program at Lindenwood University is designed to prepare students for a career as a Paramedic and/or a career as a fire fighter. The two cores of this B.S. program are para-medicine technology and management and leadership skills. Students seeking to major in Fire and Paramedic Science will complete between 39 and 48 credit hours in directed studies in paramedic technology (depending upon whether the student already has an EMT-B license) plus a minimum of 10-12 credit hours of specific general education science courses listed below. In addition each student will complete 18 credit hours in Firefighting and/or Nonprofit Administration courses as part of the core curriculum. St. Charles Fire Academy (FPS 37000) is available to students as an elective (requires a lab fee).

Paramedic training course semesters run longer than regular LU semesters: EMT-Basic is 19 weeks; fall semester 18 weeks; spring semester is 20 weeks; and summer semester is 15 weeks.

Additional non-academic requirements include obtaining CPR certification from either the St. Charles County Ambulance District, American Heart Association CPR course, or the Red Cross Pro CPR course prior to start of the EMT B or P courses. Students must also pass a criminal background check, a drug screening, and a physical examination indicating ability to meet the functional job requirements for a paramedic or firefighter and have the appropriate immunizations.

This degree program also requires that each student obtain a grade of "C" or better in science courses, paramedic core requirements, and fire academy courses in order to obtain the B.S. degree.

The Fire and Paramedic Science Program is an excellent choice for veterans. For those who have become familiar with aiding others in crisis situations, a career choice of firefighting and/or paramedic technology may be an easy transition to the next career.

**Bachelor of Science in Fire and Paramedic Science
(66 credit hours)**

The degree requires 66 credit hours of coursework. The core requirements for this degree include FPS 30000, FPS 31000, FPS 33000, FPS 33500, FPS 34000, FPS 34100, FPS 35000, FPS 40000, FPS 41000, FPS 45000, FPS 45100, FPS 45200, and FPS 46000. The student must also choose eighteen (18) credit hours from the following: NPA 30300, NPA 35000, NPA 35100, NPA 36000, NPA 38500, NPA 49900, FPS32000, FPS36000 or FPS39300 or FPS 37000 plus 9 credits from FPS 36000 or NPA 35000, NPA 30300, NPA 36000, NPA 38500, and NPA 49900..

Majors must also complete the following courses to fulfill their general education science and mathematics course requirements: BIO 10000, CHM 10000 or CHM 10100, PE 20700 (may substitute BIO 10700 with permission of the department chair) and two mathematics courses numbered 12100 or higher.

Certificate of Paramedic Technology

A student can receive a Certificate of Paramedic Technology upon completion of the 39-48 (credit hours) core requirements listed above in lieu of a full Fire and Paramedic Science degree.

**DEPARTMENT OF MILITARY SCIENCE (ROTC)
(MR. PAUL CORBIN, CHAIR)
PROGRAM DESCRIPTION**

Lindenwood University has an agreement with Washington University that makes the Army ROTC Basic courses available to qualified Lindenwood students. This program enables students to earn appointment as commissioned officers in the United States Army. Students interested in pursuing this opportunity should consult with the Lindenwood ROTC advisor. Required courses include MS 10100, MS 10200, MS 20100, MS 20200, MS 30100, MS 30200, MS 40100 and MS 40200.

Minor in Military Science (21 credit hours)

A minor in Military Science may be earned by completion of 21 hours of coursework from the following: MS 30100, MS 30200, MS 40100, MS 40200, plus nine credit hours from MS 10100, MS 10200, MS 20100, MS 20200, HIS 20700, HIS 21400, HIS 33800, RLS 11300 and RLS 12500.

SMP/ROTC: Simultaneous Membership Program/Reserve Officer Training Corps

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.

**DEPARTMENT OF NONPROFIT ADMINISTRATION
(DR. JULIE TURNER, CHAIR)
PROGRAM DESCRIPTION**

The Nonprofit Administration (NPA) degree program at Lindenwood University is designed to prepare students for leadership positions in youth, social, and community nonprofit organizations. The baccalaureate program is intended to serve a broad spectrum of career paths. Therefore, the major core combines a focus on nonprofit organizations with selected concentrations in a number of different practice settings. Students seeking the major in Nonprofit Administration will complete 40 credit hours of directed studies in nonprofit leadership and management (included in the core and elective curriculum listed below) and will select an area of emphasis to complete the major core. Students seeking the major in Nonprofit Administration must complete one of the following Areas of Emphasis.

1. Business Management Emphasis
2. Christian Ministry Studies Emphasis
3. Communications Emphasis
4. Education Emphasis
5. Fine Arts Emphasis
6. Fire Science Emphasis
7. Recreational Leadership
8. Social Services Emphasis.

Those seeking certification with Nonprofit Leadership Alliance must also complete NPA 28900, Nonprofit Leadership Alliance Institute.

The Nonprofit Administration Program will provide veterans with the knowledge, skills, and values that are instilled in their training while serving in the U.S. military. Leadership, integrity, respect for diversity, critical thinking, effective communication skills and a concern for the wellbeing of others are core values

of this program. Veterans will be able to develop their skills in a wide range of services. Upon completion of the Nonprofit Administration degree program, veterans will be prepared for leadership roles in the organizations they choose to serve.

Early Access to the M.A. Program in Nonprofit Administration

With approval from the Dean of Human Services and the Provost, students may take up to nine semester hours at the graduate level during their senior year. These hours will count toward the M.A. degree in Nonprofit Administration but not toward the bachelor's degree. A student must be enrolled in at least 12 credit hours of undergraduate classes each semester that he or she is taking M.A. credits under this option.

Nonprofit Leadership Alliance

Through its 85 affiliated campus programs, 22 affiliated national nonprofit agencies, and 14 collaborating professional agencies, Nonprofit Leadership Alliance recruits, educates, and places competent professionals in careers with nonprofit youth and human service agencies. Students who complete this nationally recognized "Certificate in Nonprofit Management and Leadership" from the Nonprofit Leadership Alliance are highly regarded candidates for employment with national and local nonprofits as well as for opportunities in the public and private sectors. This certification is open to all students. Students in the Nonprofit Administration degree program may earn this National Certification by adhering to the NPA program guidelines and by attending one Nonprofit Leadership Alliance Management Institute (NPA 28900). It is highly recommended that each student in the NPA Program seek this certification. Interested students should contact the Director of the Nonprofit Leadership Alliance Program to make application.

Nonprofit Administration Core Requirements (28 credit hours)

The following courses constitute the core requirements for all Nonprofit Administration majors: NPA 10000, NPA 20100 (only one credit hour can be used toward core requirements), NPA 30000, NPA 30300, NPA 35000, NPA 35100, NPA 36000, NPA 45000, NPA 49900; SW 10000, plus 12 elective credit hours from the following : NPA 19300, NPA 19400, (1-3 credit hours), NPA 28900, NPA 29300, NPA 29500 (can be taken up to four times with only one credit for elective requirements), NPA 30200, NPA 37100 (pre-requisite: ENG 17000), NPA 38500, NPA 39100, NPA 45100 and NPA 49300.

In addition to the NPA core course, students seeking a major in Nonprofit Administration must complete one of the following areas of emphasis:

Business Management Emphasis (18 credit hours)

Business Management Emphasis course requirements are MIS 14000, ACCT 21010, MGMT 26032, MRKT 35010, SPMGT37050, MRKT 45060 or NPA 38500.

Christian Ministry Studies Emphasis (21 credit hours)

Christian Ministry Studies Emphasis course requirements are CMS 10100, CMS 12000, plus 15 credit hours from the following: CMS 11000, CMS 20100, CMS 25100, CMS 30500, CMS 30700, CMS 34800 and CMS 35000.

Communications Emphasis (18 credit hours)

Communications Emphasis course requirements are COM

13000, COM 13500, COM 15100, COM 15400, COM 30500 and COM 32700.

Education Emphasis (18 credit hours)

Education Emphasis course requirements are EDU 10000, EDU 20200, EDU 30400, EDU 31700, (EDU 32100 or EDU 32200) and EDU 35900.

Fine Arts Emphasis (18 credit hours)

Fine Arts Emphasis course requirements are ART 12000, ART 21000, DAN 10100, TA 11100, TA 11700 and COM 10500.

Fire Science Emphasis (18-23 credit hours)

Fire Science Emphasis course requirements are FPS 30000 OR FPS 37000 plus 9 credits from FPS 32000, FPS 36000, FPS 39300, NPA 19300, NPA 29300, NPA 30200, NPA 37100, NPA 38500, NPA 392100, NPA 45100, and NPA 49300.

Recreation Leadership Emphasis (18 credit hours)

Recreation Leadership Emphasis course requirements are REC 10200, REC 31000, REC 36200, plus nine hours from the following: REC 12600, REC 15700, REC 22000, REC 30500, REC 38100, REC 41000 and NPA 38500.

Social Services Emphasis (18 credit hours)

Social Services Emphasis course requirements are SOC 22000, CJ 10100, CJ 31500, NPA 38500, PE 30000, or EXS 10000, SW 10000, SW 24000 and SW 30000 or SW 24000.

Minor in Nonprofit Administration (24 credit hours)

Course requirements for the Minor in Nonprofit Administration are NPA 10000, NPA 30300, NPA 35000, NPA 36000, plus 12 credit hours selected from CJ 10111, REC 10200, NPA 30000, NPA 35100, NPA 38500, NPA 45000, NPA 49900, SW 10000, and SW 28000.

DEPARTMENT OF SOCIAL WORK (MS. DEBRA JOHNSON, CHAIR) PROGRAM DESCRIPTION

The Department of Social Work at Lindenwood University offers a Bachelor's Degree 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, macro levels).

Entering a social work degree program will provide veterans with the knowledge, skills and values that are instilled in their training while serving in the U.S. military. Leadership, integrity, respect for diversity, critical thinking, effective communication skills, and a concern for the welfare of others are core values in the social work profession, and many veterans will readily identify with our professional goals of serving marginalized populations in need of social services. Whether it is working with youth, adults or senior citizens, social workers provide support, resource development and guidance for vulnerable people. Veterans will be able to develop their skills in providing a wide range of services. Upon completion of the social work

degree, veterans will be prepared to serve. Becoming a social worker following military service is a great career choice.

The Social Work Program does not grant academic credit for life experience or previous work experience.

The Social Work Program is accredited by the Council on Social Work Education (CSWE). Formal admission to the Social Work Program is required to enroll in courses in the practice sequence: SW 31000, SW 31100, SW 41200, and the Field Practicum: SW 45000. Students are formally admitted to the major in Social Work after having completed 45 credit hours of course work and completion of an application procedure available at the Social Work Program Manager's office.

Students intending to become fully admitted into the Social Work Major should contact the Social Work Program Manager to obtain complete information regarding admission to the program.

Bachelor of Social Work (64 credit hours)

The Bachelor's degree in social work requires the following courses: SW 10000, SW 11000, SW 12000, SW 24000, SW 28000, SW 31000, SW 31100, SW 32000, SW 32500, SW 38100, SW 39900, SW 41200, SW 42100, and SW 45000. Also required are (ECON 23010 or ECON 33030), BIO 10700, MTH 14100, PSY 10000, PS 15500 or PS 15600 and SOC 10200.

Minor in Social Welfare (21 credit hours)

A minor in Social Welfare requires 21 credit hours of coursework including SW 11000, SW 24000, SW 32000; (PS 15500 or PS 15600); (ECON 23010 or ECON 33030), and six additional hours in any other Social Work (SW) courses.

SCHOOL OF HUMANITIES

DEPARTMENT OF ENGLISH (DR. KYLE GLOVER, CHAIR) PROGRAM DESCRIPTIONS

The Department of English at Lindenwood University offers a Bachelor of Arts degree in English with a Literature Emphasis and a Bachelor of Arts degree in English with a Creative Writing Emphasis.

The department offers minors in Creating Writing and Literature. It also offers a Writing Certificate.

Bachelor of Arts in English: Literature Emphasis (42 credit hours)

The B.A. in English prepares students 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 an emphasis in Literature must complete both the General Education and Foreign Language requirements listed below and 42 credit hours of coursework through the Department of English. Required courses in the emphasis are ENG 30200, ENG 30500, ENG 30600, ENG 33300, ENG 33700, ENG 34700, ENG 40400, and ENG 45400. Majors also must complete at least three credit hours from each of the following four groups:

Group A - ENG 33200, ENG 33800.

Group B - ENG 33900, ENG 34100.

Group C - ENG 30900, ENG 34200, ENG 34300.

Group D - ENG 31000, ENG 33500, ENG 35100.

Majors must also complete six credit hours of English electives numbered 20000 and above.

All English majors are required to take ENG 20100 and ENG 20200 to fulfill their general education literature requirements.

All English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University's Intermediate II level. Students who have experience in a foreign language before they enroll at Lindenwood may have their proficiency tested by the Foreign Language Department to determine which courses, if any, they must take to fulfill the requirement.

Bachelor of Arts in English: Creative Writing Emphasis (37 credit hours)

The B.A. in English prepares students 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 an emphasis in Creating Writing must complete both the General Education and Foreign Language requirements listed below and 37 credit hours of coursework. Required courses in the emphasis are ENG 21100, ENG 21200, ENG 31100, ENG 35800, ENG 47000; plus nine credit hours selected from ENG 29100, ENG 29200, ENG 30200, ENG 32300, ENG 34000, ENG 39100, ENG 45400; COM 30500, COM 30700, COM 45000; plus three credit hours selected from ENG 31000, ENG 33500, ENG 35100; and 12 credit hours of literature electives selected from ENG 20000, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 28000, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33700, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 34700, ENG 35100, ENG 38000, and ENG 45400.

All English majors are required to take ENG 20100 and ENG 20200 to fulfill their general education literature requirements.

All English majors must demonstrate proficiency in one foreign language equivalent to Lindenwood University's Intermediate II level. Students who have experience in a foreign language before they enroll at Lindenwood may have their proficiency tested by the Foreign Language Department to determine which courses, if any, they must take to fulfill the requirement.

For Students Seeking Teacher Certification

To fulfill the academic requirements to be certified to teach English at the secondary level (grades 9-12), students must complete a major in English with a Literature Emphasis, ENG 37200, a minor in Secondary Education (9-12), and EDU 33400. ENG 21100 is encouraged as an elective. See Minor in Secondary Education (9-12) in the Education section of this catalog.

Note: The major in English with a Creative Writing Emphasis does NOT fulfill the teacher certification requirement.

Minor in English Literature (21 credit hours)

A minor in English Literature requires the following courses ENG 33700, (ENG 30500 or ENG 30600), ENG 33300, and 12 credit hours of English electives chosen in consultation with an advisor from the English faculty from the following list: ENG 20100, ENG 20200, ENG 21600, ENG 23500, ENG 23600,

ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 28000, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33500, ENG 33700, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 34700, ENG 38000, ENG 30200, ENG 30400, ENG 37200, and ENG 45400.

NOTE: At least 6 of these 12 elective hours must be literature courses.

Minor in Creative Writing (21 credit hours)

A minor in Creative Writing requires 21 credit hours of coursework. Required courses include ENG 21100, ENG 21200, ENG 31100, and 12 credit hours of 30000-level English electives chosen from the following list of courses: ENG 30200, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33700, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 34700, ENG 38000, ENG 37200, ENG 40400, and ENG 45400..

Writing Certificate

A student in any major may obtain a Writing Certificate by completing 12 credit hours of writing courses beyond basic composition. Required courses for the certificate are ENG 21200, ENG 30200, plus an additional six credit hours from among the following courses: ENG 21100, ENG 31100, ENG 34000, COM 30300, COM 30400, COM 30700, COM 39100, and NPA 37100.

DEPARTMENT OF ENGLISH PREPAREDNESS (MS. SARA MARLER-RAYFIELD, CHAIR) PROGRAM DESCRIPTION

To best serve the needs of the undergraduate international student community, the English Preparedness Program (EPP) provides both English as a Second Language (ESL) instruction and academic advising to undergraduate international students.

Upon arrival, all international students, regardless of their TOEFL scores, undergo on-site English language evaluation to assess classroom readiness and to assure appropriate placement in English classes. Based on the English language evaluation scores, a student may (1) enter directly into General Education courses, (2) enroll in a combination of EPP courses and General Education courses, or (3) enroll in only in EPP courses until the student's language proficiency is such that he or she is prepared to enter General Education courses. Note that no international student's schedule will be confirmed until he or she has taken the English language placement exam. Students arriving after the placement exam has been administered must contact the EPP Coordinator for information regarding immediate placement testing.

Non-native English speaking students' placement into English courses depends on the students' placement test scores, writing samples, 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. Students who are placed in only EPP courses should not take any additional coursework other than the Freshman Experience course. Students who are placed into a combination of EPP and General Education or other introductory coursework should take no more than 15 semester hours of coursework. All students who are enrolled in EPP courses will be advised by EPP faculty until they are prepared to be assigned to a content area advisor.

Students whose placement exam scores indicate an 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 second language learner issues. (Students whose English proficiency is assessed to be native-like will be recommended for placement in ENG 15000).

Students who place into EPP courses are promoted through the EPP curriculum based on exit exam scores, portfolio reviews, or professor recommendations. To address questions of placement, faculty advisors may check a student's English placement exam score by looking on the faculty (J) drive, in the EnglishPreparednessProgram folder, in the appropriate semester folder.

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

EPP 10000, EPP 10100, EPP 10500, EPP 10600, and EPP 12000

These courses count toward the student's 128 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 ENG 15000. This course counts toward the student's 128 credit hour requirement for graduation, but does not fulfill the English General Education requirement and is counted as an elective.

EPP 15000

(equivalent to ENG 15000, with attention to ESL issues) This course counts toward the student's 128 credit hour requirement for graduation and fulfills the General Education Composition I (ENG 15000) requirement. This course is equivalent to (not a prerequisite for) ENG 15000. Students receiving a "C" or better in this course are eligible to take ENG 17000.

DEPARTMENT OF FOREIGN LANGUAGES (DR. NANCY DURBIN, CHAIR) PROGRAM DESCRIPTIONS

Lindenwood University's Department of Foreign Languages offers a

1. B.A. in French
2. B.A. in Spanish.

The department also offers three minors

1. Minor in French
2. Minor in Spanish, Lindenwood University Campus
3. Minor in Spanish, Costa Rica Campus

The department also offers courses in the German, Russian, and Chinese languages.

All students majoring in French or Spanish will be required to complete some portion of their degree off campus. French majors must complete 16 hours of elective courses at the campus in Caen, France. Spanish majors will be required to complete 15 credit hours in Costa Rica.

All students majoring in French or Spanish must complete all courses with a "C" or better to have the course count towards the major or minor. Majors in Spanish must maintain a B average or better in Spanish courses.

All students participating in the semester abroad programs administered through the Department of Foreign Languages are required to have a minimum GPA of 2.0 and the approval of the

faculty member administering the program.

All students seeking a major or minor in French or Spanish must first demonstrate language proficiency beyond the Intermediate French II/Spanish II (FLF 20200/FLS 20200) level before they are allowed to continue in the major or /minor. Proficiency can be demonstrated either through successful completion of proficiency examination, by successful completion of FLF 20200 or FLS 20200 (including all of its prerequisite courses), or by determination of the Language Faculty. In all cases, proficiency must be properly documented.

Bachelor of Arts in French (37 credit hours)

The bachelor of arts in French provides students the education and training necessary to meet the certification qualifications to teach French in the State of Missouri as well as the content and experience in the language, culture, and literature necessary for graduate study and to work in a wide variety of other-than-academic fields such as government, arts/media/entertainment, industry and commerce, travel and tourism, interpretation or translation, educational (aside from teaching) and other social occupations, and health services, as well as the unexpected professional opportunities that sometimes arise.

A major in French requires a minimum of 37 credit hours of coursework beyond the Intermediate French II (FLF 20200) level or equivalent proficiency.

Degree requirements to be taken at the St. Charles campus are FLF 31100, FLF31200, FLF 33700, FLF 35000, and FLF 35100, plus six credit hours from the following list: FLF 40000, FLF 41000, FLF 41100, FLF 41200, FLF 41300, and FLF 41400.

Majors must also complete 16 hours of elective coursework at the Caen, France campus. To fulfill this requirement, students may select courses from the following list: FLF 10300, FLF 10400, FLF 10700, FLF 12000, FLF 20300, FLF 20400, FLF 20700, FLF 22000, FLF 30300, FLF 30400, FLF 30600, FLF 30700, FLF 30800, and FLF 30900.

For Students Seeking Teacher Certification

To fulfill the academic requirements to be eligible to be certified to teach French, students must complete a major in French, a minor in Education (K-12), and EDU 33200. See Minor in Education (K-12) in the Education section of this catalog.

Minor in French (18 credit hours)

A minor in French requires 18 hours beyond the Intermediate French II (FLF 20200) level. Coursework includes the following: FLF 31100, FLF 31200, FLF 33700, FLF 35000, FLF 35100, and one literature seminar selected from FLF 38000, FLF 40000, FLF 41000, FLF 41100, FLF 41200, FLF 41300, and FLF 41400.

Spanish Language Program

Bachelor of Arts in Spanish (39 credit hours)

The bachelor of arts in Spanish provides students the education and training necessary for students to meet the certification qualifications to teach Spanish in the State of Missouri as well as the content and experience in the language, culture, and literature necessary for graduate study and to work in a wide variety of other-than-academic fields such as government, arts/media/entertainment, industry and commerce, travel and tourism, interpretation or translation, educational (aside from teaching) and other social occupations, and health services, as well as the unexpected professional opportunities that sometimes arise.

A major in Spanish requires 39 credit hours of coursework

beyond the Intermediate Spanish II (FLS 20200) level or equivalent proficiency. Of these 39 credit hours, 15 will be taken in Costa Rica. Degree requirements are as follows:

Courses to be taken at the St. Charles campus are FLS 31100, FLS 31200, FLS 33500, FLS 33600, FLS 35000, FLS 35100, and two of the following: FLS 40000, FLS 41200, FLS 41300, FLS 41500, FLS 41600, FLS 41800 or FLS 42100.

Courses to be taken at the Costa Rica campus are FLS 31300, FLS 31400, and FLS 33700, and six credit hours of courses selected from FLS 36000, FLS 36100, FLS 36200, and FLS 36300.

All of the 30000- and 40000- level culture and literature courses are conducted in Spanish.

For Students Seeking Teacher Certification

To fulfill the academic requirements to be eligible to be certified to teach Spanish, students must complete a major in Spanish, a minor in Education (K-12), and EDU 33200. See Minor in Education (K-12) in the Education section of this catalog.

Minor in Spanish, Lindenwood University Campus (21 credit hours)

This minor in Spanish requires 21 credit hours beyond the Intermediate Spanish II (FLS 20200) level or equivalent proficiency. Required coursework includes FLS 31100, FLS 31200, FLS 33500, FLS 33600, FLS 35000, FLS 35100, and three credit hours chosen from FLS 40000, FLS 41300, FLS 41500, FLS41600, FLS 41800, and FLS 42100.

Minor in Spanish, Costa Rica Campus (30 credit hours)

This minor in Spanish requires 30 credit hours beyond the Intermediate Spanish II (FLS 20200) level or equivalent proficiency, including nine credit hours selected from (FLS 31100, FLS 31200, FLS 31300, and FLS 31400), FLS 33500, FLS 33600, FLS 33700, FLS 35000, FLS 35100, and six credit hours selected from FLS 36000, FLS 36100, FLS 36200, and FLS 36300.

GENERAL STUDIES PROGRAM (DR. MEREDITH MARSH) PROGRAM DESCRIPTION

Bachelor of Arts in General Studies (36 Credit Hours)

To prepare for rapid changes in American and world cultures, the General Studies program is designed to give the student the necessary tools of critical thinking, perspective, and adaptability. The major allows a student to study a broad range of courses in the Liberal Arts and Humanities, as well as the student's specific areas of interest.

Students must complete all the general education courses required of all students. The major in General Studies requires students to complete 36 hours of electives beyond the normal GE requirements. Any course listed in the LU General Education Handbook will satisfy this 36 hours elective requirement.

All elective courses MUST be different from those courses taken to satisfy GE requirements. For example, students are required to complete two literature courses for general education and two additional literature courses for the general studies degree. For clarification purposes, students must complete three hours of History (HIS) courses, three hours of Religion (REL)

course, and six hours of language courses to fulfill their General Education requirements. General Studies core requirements are

English Composition (six credit hours): ENG 15000 or EPP 15000 and ENG 17000.

Communications (three credit hours): COM 10500 or COM 11000 or SW 11000.

Humanities (six credit hours): Six credit hours of literature courses selected from ENG 20100, ENG 20200, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 32200, ENG 33300, ENG 33500, ENG 33800, ENG 33900, ENG 34100, ENG 34200, ENG 34300, ENG 35100, ENG 38000, and TA 33600.

Religion (nine credit hours): Nine credit hours of Religion courses selected from REL 15000, REL 20100, REL 20200, REL 21000, REL 21100, REL 22200, REL 23000, REL 28000, REL 28100, REL 30000, REL 31000, REL 30500, REL 31800, REL 32000, REL 32500, REL 33000, REL 38000, or REL 38100.

Fine Arts (three credit hours): Three credit hours of Fine Arts courses selected from ART 10600, ART 13000, ART 13600, ART 18100, ART 21000, ART 22200, ART 22400, ART 24000, DAN 10100, DAN 11000, DAN 20400, DAN 37100, MUS 14000, MUS 15000, MUS 16500, MUS 33000, MUS 33500, TA 10100, TA 11700, TA 31700, and TA 33500.

History and Government (12 credit hours): HIS 10000, HIS 10500, HIS 10600, HIS 15500, HIS 21500, HIS 21600, or HIS 22100.

Foreign Language (six credit hours): Six credit hours of language courses selected from the following pairs of courses: (FLC 10100 and FLC10200), (FLF 10100 and FLF 10200), (FLG 10100 and FLG 10200), or (FLS 10100 and FLS 10200).

Social Science (six credit hours): Six credit hours of Social Science courses from different disciplines selected from ANT 11200, ANT 12200, ECON 23010, ECON 23020, CJ 20000, GEO 28200, PSY 10000, PSY 10100, REC 20600, SOC 10200, SOC 21400, SOC 22000, SOC 24000, SW 24000, and SW 28000.

Natural Sciences (seven credit hours): Seven credit hours of Natural Science courses selected from different discipline areas and at least one having a lab.

Biology Area: *BIO 10000, BIO 10600, BIO 10700, BIO 11000, *BIO 11200, BIO 12100, or *BIO 25100

Earth Science Area: *ESC 11000, *(ESC 11000 and ESC 11100), or *(ESC 13000 and ESC 13100)

Physical Science Area: *CHM 10000, CHM 10100, CHM 10500, CHM 11100, CHM 23000, *(CHM 23100 and CHM 24100), *(PHY 11000 and PHY 11200), *PHY 25100, or *PHY 30100.

Note: Courses marked with an asterisk have a lab component.

Mathematics (three credit hours): Three credit hours of Mathematics courses selected from MTH 12100, MTH 13100, MTH 14100, MTH 15100, MTH 15200, MTH 17000, MTH 24100, MTH 27100, and MTH 27200.

An additional 36 credit hours of coursework is required. To fulfill this requirement, students select additional General Education courses. Courses required beyond the general education classes must come from the nine categories listed below: (*Note: No duplication of course work is allowed*)

1. Three credit hours of computer/computer applications courses selected from RTAIL 15510, MIS 24000, or CSC 10000.

2. Six credit hours of literature courses (in addition to the six hours taken for general education) selected from ENG 20100, ENG 20100, ENG 21600, ENG 23500, ENG 23600, ENG 24500, ENG 25000, ENG 25600, ENG 27600, ENG 27800, ENG 30500, ENG 30600, ENG 30900, ENG 31000, ENG 33200, ENG 33300, ENG 33500, ENG 33800, ENG 34100, ENG 34200, ENG 35100, ENG 38000, TA 33500, and TA 33600.

3. Three credit hours of political science courses selected from PS 15500 or PS 15600.

4. Six credit hours of cross cultural courses selected from ANT 11200, ANT 21000, ANT 30000, ANT 31700, ANT 32400, ANT 33400, ART 22200, ART 22400, ART 35400, ART 35600, ART 35700, ART 36100, ART 36200, ART 38300, ECON 330350, INTL 48070, CJ 22500, COM 37000, DAN 11000, DAN 37100, ENG 20100, ENG 20200, ENG 21600, ENG 24500, ENG 25000, ENG 27800, ENG 33500, GEO 20100, GEO 20700, GEO 28100, HIS 20500, HIS 22000, HIS 28200, HIS 38200, MUS 35500, MUS 35600, MUS 35700, PHL 31800, PS 30000, PS 35000, REL 15000, REL 23000, REL 28100, REL, 310, REL 31800, REL 38100, SOC 31800, TA 33500, TA 33600, and TA 37000.

5. Three credit hours of social science courses selected from ANT 11200, ANT 12200, ECON 23010, ECON 23020, CJ 10111, GEO 28200, PSY 10000, PSY 10100, REC 20600, SOC 10200, SOC 21400, SOC 22000, SOC 24000, SW 24000, and SW 28000.

6. Six credit hours of fine & performing arts courses selected from ART 10000, ART 13600, ART 18100, ART 21000, ART 22200, ART 22400, ART 24000, DAN 10100, DAN 11000, DAN 20400, DAN 37100, MUS 14000, MUS 15000, MUS 16500, MUS 33000, MUS 33500, MUS 35500, MUS 35600, TA 10500, TA 11700, TA 31700, TA 33500, TA 33600, and TA 37000.

7. Six credit hours of philosophy courses selected from PHL 10200, PHL 15000, PHL 19000, PHL 21400, PHL 21500, PHL 24000, PHL 26500, PHL 30500, PHL 31100, PHL 31200, PHL 31300, PHL 32500, PHL 28000, PHL 38000, and PS 30500.

8. Three credit hours of written or oral communications courses selected from COM 10500, COM 11000, COM 30300, ENG 21100, ENG 21200, ENG 30200, and SW 10000.

9. Three credit hours of economics courses selected from ECON 23010 and ECON 23020.

Note: No course can count as both a GE required course and as an Elective Course for the major in General Education.

**DEPARTMENT OF HISTORY AND GEOGRAPHY
(DR. JEFFREY SMITH, CHAIR)
PROGRAM DESCRIPTION**

The Department of History and Geography offers a Bachelor of Arts in History and minors in History and Social Studies.

Geography

Currently Lindenwood University does not offer a degree in Geography. Courses in this area are in support of other degree programs.

History

Bachelor of Arts in History (42 credit hours)

A bachelor of arts in history provides the knowledge and skills that successful students need to prepare them for teaching at the high school level, attending graduate school especially in history or law, or pursuing a career in public history such as working in archives, museums, or historical sites. Their skills and knowledge also make them educated individuals ready to work at any career requiring literate persons.

The Bachelor of Arts in History requires the following courses: (HIS 2150 or HIS 10500), (HIS 2160 or HIS 10600), HIS 20000, HIS 20300, HIS 22300, (HIS 20500 or HIS 22000), HIS 30100, HIS 30200, (HIS35000, HIS45000, or EDU41000), and HIS 40000; six credit hours of European History courses selected from HIS 32900, HIS 33000, HIS 33200, HIS 33600, HIS 33800, and HIS 35500, and nine credit hours (six of which must be at or above the 30000 level) of United States History courses selected from HIS 20700, HIS 21400, HIS 23200, HIS 30800, HIS 30900, HIS 31000, HIS 31200, HIS 31400, HIS 31500, HIS 31600, HIS 31700, HIS 31800, HIS 32000, and HIS32100.

It is recommended that history majors take HIS 22100, HIS 21500, and HIS 21600 to fulfill the general education World History and the United States survey history major requirements.

Students must take GEO 20100, GEO 20200, GEO 20700, or GEO 30100. It will fulfill a cross cultural general education requirement.

Students must take HIS 15500 or PS 15500 to fulfill the general education US History/Government requirement and they must take ECON 23010 or HIS 31400 to fulfill one of the Social Science requirements.

If students take HIS 31400 for economics credit they cannot count it as a history (HIS) elective.

For Students Seeking Teacher Certification

To fulfill the academic requirements to be eligible to be certified to teach Social Science at the secondary (grades 9-12) level 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 (9-12), and EDU 33500. See Minor in Secondary Education (9-12) in the Education section of this catalog.

Minor in History (18 credit hours)

A minor in history requires the following courses: HIS 10000 or HIS 22100, HIS 20000, six credit hours in American History coursework selected from HIS 10500 or HIS 21500; HIS 10600 or HIS 21600; HIS 20700; HIS 21400; HIS 23200; HIS 30800; HIS 30900; HIS 31000; HIS 31200; HIS 31400; HIS 31500; HIS31600; HIS 31700; HIS31800; HIS 32000; and HIS32100; and six credit hours in European, Asian, or Latin American History coursework selected from HIS 20500, HIS 20900, HIS

22000, HIS 22300, HIS 26100, HIS 30100, HIS 30200, HIS 32900, HIS 33000, HIS 33200, HIS 33600, HIS 33800, and HIS 35500.

Minor in Social Studies (18 credit hours)

A minor in social studies requires the following courses: ANT 11200, (GEO 20100 or GEO 20200), PS 15600, PSY 10000, SOC 10200, and three credit hours of course work chosen from ANT 21000, ANT 30000, ANT 31700, ANT 33400, ECON 33035, ECON 33060, SOC 31800, or SOC 32000. This minor is recommended for students majoring in history who are seeking to be certified to teach social studies at the secondary level. See a history professor about this minor.

**DEPARTMENT OF INTERNATIONAL STUDIES
(DR. RYAN GUFFEY, CHAIR)
PROGRAM DESCRIPTION**

The Department of International Studies offers the Bachelor of Arts in International Studies with three separate emphasis areas. The degrees with their emphasis areas are

1. International Studies, International Relations
2. International Studies, Cross Cultural Asian Studies
3. International Studies, Cross Cultural European Studies

No minor is currently offered.

The International Studies program prepares students for a diversity of careers in today's global community. A student may elect to follow one of two tracks in International Studies:

1. International Relations
2. Cross-Cultural

The Cross Cultural track is further divided into two emphasis areas. One is Asian studies and the other is European studies. All International Studies majors, regardless of track, must complete a core group of courses that exposes them to a wide range of topics. The core group of courses consists of the following: ANT 11200, ECON 23020, ECON 23030, GEO 20100, PS 35000, REL 15000, and IS 40000 (senior tutorial); plus 12 credit hours in a single Foreign Language. (International students may take 12 hours in other courses to satisfy this requirement. Other students may test out of this requirement.)

Note: There is an International Business major; see the description under School of Business & Entrepreneurship).

Bachelor of Arts in International Studies, International Relations (45 credit hours)

The bachelor of arts degree in international studies is designed for those who wish to increase their understanding of global issues in order to pursue future graduate study, to prepare for international/government employment, or to work in the fields of consulting, business, banking, teaching, or international journalism. The curriculum is multidisciplinary and utilizes material from the fields of political science, international relations, anthropology, religion, history, geography, economics, sociology, law, and management.

The bachelor of arts in international studies, International Relations requires completion of the core coursework plus an additional 12 credit hours of course work. The courses to be completed are ANT 30000, INTL 38000, HIS 35500, and PS 30000.

Bachelor of Arts in International Studies, Cross-Cultural Asian Studies (45 credit hours)

The bachelor of arts degree in international studies is designed for those who wish to increase their understanding of global

issues in order to pursue future graduate study, to prepare for international/government employment, or to work in the fields of consulting, business, banking, teaching, or international journalism. The curriculum is multidisciplinary and utilizes material from the fields of political science, international relations, anthropology, religion, history, geography, economics, sociology, law, and management.

The major in international studies, cross-cultural asian studies consists of the 33 credit hours of core coursework listed above plus an additional 12 hours consisting of HIS 20500, PHL 31800, REL 23000, and ART 36400.

Bachelor of Arts in International Studies, Cross-Cultural European Studies (45 credit hours)

The bachelor of arts degree in international studies is designed for those who wish to increase their understanding of global issues in order to pursue future graduate study, to prepare for international/government employment, or to work in the fields of consulting, business, banking, teaching, or international journalism. The curriculum is multidisciplinary and utilizes material from the fields of political science, international relations, anthropology, religion, history, geography, economics, sociology, law, and management.

The major in international studies, cross-cultural european studies consists of the 33 credit hours of core coursework listed above plus 12 credit hours of coursework selected from the following list: ART 35400, ART 36100, ART 36200, FLF 33700, FLS 33500, HIS 30100, HIS 30200, HIS 33000, HIS 33200, or HIS 35500.

DEPARTMENT OF PHILOSOPHY (DR. DAVID BROWN, CHAIR) PROGRAM DESCRIPTION

The Department of Philosophy offers a bachelor of arts degree in philosophy with a traditional emphasis and with an interdisciplinary emphasis. It also offers minors in Philosophy, History of Ideas, Social and Political Philosophy, and Philosophy of Religion. Course requirements for each program are listed below.

Bachelor of Arts in Philosophy, Traditional Emphasis (36 credit hours)

The bachelor of arts in philosophy requires the following courses (PHL 21400 or PHL 25000), PHL 21600, PHL 31100, PHL 31200, PHL 31300, PHL 49300, and one of the following: PHL 26500, PHL 34500, PHL 35500, or PHL 36500. Also required are 15 credit hours of elective coursework selected from PHL 10200, PHL 15000, PHL 18000, PHL 18100, PHL 18200, PHL 19000, PHL 21500, PHL 24000, PHL 28000, PHL 28100, PHL 28200, PHL 30500, PHL 31800, PHL 32500, PHL 34000, PHL 35000, PHL 38000, PHL 38100, PHL 38200, PHL 39000, and PHL 48000.

Bachelor of Arts in Philosophy, Interdisciplinary Emphasis (36 credit hours)

The bachelor of arts in philosophy requires the following courses: (PHL 21500 or PHL 21600), PHL 31100, PHL 31200, (PHL 31300 or HIS 33000), and PHL 49300. It also requires (PHL 21400 or PHL 25000) and (PHL 26500, PHL 32500, PHL 34500, PHL 35500, or PHL 36500). Also required are 9 hours from PHL 10200, PHL 15000, PHL 18000, PHL 19000, PHL 21500, PHL 24000, PHL 28000, PHL 30500, PHL 31800, PHL 32500, PHL 34000, PHL 35000, PHL 38000, PHL 39000, and PHL 48000. An additional 6 hours are required from ANT

31700, ANT 34200, ART 21000, ART 22200, ART 22400, ECON 23020, ECON 33030, ECON 33055, ECON 43035, BIO 46400, ENG 33800, ENG 33900, ENG 34300, ENG 34500, ENG 35000, ENG 35600, HIS 31400, HIS 31500, HIS 31600, HIS 32900, HIS 33000, HIS 33200, HIS 33600, HIS 33800, PS 30000, PS 31100, PS 35000, PS 36000, PSY 30900, PSY 33400, REL 23000, REL 28000, REL 31000, REL 32000, REL 32500, SCI 21200.

Minor in Philosophy (18 credit hours)

A minor in philosophy requires nine credit hours of philosophy core courses selected from PHL 21400, PHL 21600, PHL 25000, PHL 26500, PHL 31100, PHL 31200, PHL 31300, PHL 34500, PHL 35500, PHL 36500, and PHL 49300 and nine additional credit hours of courses selected from the following: PHL 10200, PHL 15000, PHL 18000, PHL 18100, PHL 18200, PHL 19000, PHL 21400, PHL 21500, PHL 21600, PHL 24000, PHL 25000, PHL 26500, PHL 28000, PHL 28100, PHL 28200, PHL 30500, PHL 31100, PHL 31800, PHL 32500, PHL 34000, PHL 34500, PHL 35000, PHL 35500, PHL 36500, PHL 38000, PHL 38100, PHL 38200, PHL 39000, PHL 48000, and PHL 49300. *No duplication of coursework is allowed.*

Minor in the History of Ideas (21 credit hours)

A minor in the history of ideas requires 12 core hours and nine hours in an area of emphasis. The core hours must include PHL 31100, (HIS 33000 or PHL 31300), and six credit hours selected from ECON 33060, HIS 31600, HIS 32900, HIS 33200, PHL 31200, (PHL 28000, PHL 28100, PHL 28200, PHL 38000, PHL 38100, or PHL 38200), PHL 31800, and (HIS 33000 or PHL 31300 - if either course was not used above). Students must select one emphasis area from which all of the remaining nine hours must come.

The area of emphasis and its courses are listed below:

Science Emphasis: ANT 32400, BIO 46400, PHL 26500, PSY 30900, SCI 21200, SOC 32000, PHL 36500, and REL 30000.

Art and Literature Emphasis: ART 21000, ART 22200, ART 22400, ENG 33800, ENG 33900, ENG 34300, ENG 34500, ENG 35000, ENG 35600, PHL 28000, PHL 28100, and PHL 28200.

Philosophy and Religion Emphasis: PHL 21400, PHL 25000, PHL 30500, PHL 34500, PHL 35000, PHL 35500, REL 28000, REL 28100, REL 28200, REL 31000, REL 32000, and REL 32500.

Minor in Social and Political Philosophy (18 credit hours)

A minor in social and political philosophy requires 18 credit hours. The core courses are (PHL 21400 or PHL 25000), PHL 30500, PHL 35000, and PHL 39000. The remaining six credit hours must be selected from one of the same emphasis areas listed below:

Business/Economic Emphasis: ECON 23020, ECON 33030, ECON 33055, and ECON 33060.

History Emphasis: HIS 31400, HIS 31500, HIS 32900, HIS 33000, HIS 33200, HIS 33600, and HIS 33800.

Political Science Emphasis: PS 30000, PS 31100, PS 35000, and PS 36000.

Social Science Emphasis: ANT 31700, ANT 32400, PSY 33400 SOC 32000, and SOC 32400.

Minor in Philosophy of Religion (21 credit hours)

The Department of Philosophy, in conjunction with the Department of Religion, offers a minor in Philosophy of Religion. The Philosophy of Religion minor requires PHL 32500, nine credit hours of philosophy courses selected from PHL 31100, PHL 31200, PHL 31300, PHL 31800, (PHL 26500 or PHL 365000), PHL 34500, and PHL 35500; and nine credit hours of religion courses selected from REL 23000, REL 30000, REL 31000, and REL 32000.

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION (DR. JOSEPH CERNIK, CHAIR) PROGRAM DESCRIPTION

The Department of Political Science and Public Administration offers bachelor of arts degrees in both political science and public administration. Both degrees require the completion of 33 credit hours of coursework. The department also offers minors in each area, both of which require completion of 18 credit hours of coursework.

Bachelor of Arts in Political Science (33 credit hours)

Courses focus on using intensive reading and writing to help prepare students for law school and graduate school. Traditionally, it is assumed that this major introduces students to governments and political processes. While that is true, more is covered, particularly when students are introduced to methods used to study this discipline, some of which includes the use of statistics.

The major requires completion of the following courses: (PS 15500 or HIS 15500), PS 15600, PS 30000, PHL 30500, PS 47500, PS 31500, and 15 credit hours of elective courses chosen from any of the available Political Science (PS) courses or the following courses: HIS 31600, HIS 33000, HIS 33200, HIS 33800, PHL 31300, PHL 35000, PHL 39000, FIN 32013, and INTL 48020.

Students must take MTH 14100 (Basic Statistics) to fulfill the general education math requirement.

Bachelor of Arts in Public Administration (33 credit hours)

The major requires completion of the following courses: (PS 15500 or HIS 15500), PS 15600, PS 31500, PS 33500, PS 47500, ACCT 21010, FIN 32013, plus 9 credit hours of coursework selected from ECON 33020, ECON 33025, ECON 33030, ECON 33035, ECON 33050, FIN 32000, INTL 48020, MGMT 26032, HRM 36510, HRM 36520, HRM 36540, MGMT 26061, ECON 33055, ACCT 41060, INTL 48040, COM 34500, HIS 31400, HIS 31600, PS 30100, PS 30700, PS 31100, PS 32500, PS 32700, PS 34500, PS 36000, PS 36500, PS 36700, PS 39500, and PS 45000.

Students must take MTH 14100 (Basic Statistics) to fulfill the general education math requirement.

Minor in Political Science (18 credit hours)

The minor in Political Science requires the following courses: (PS 15500 or HIS 15500), PS 15600, PS 30000, PS 30500 plus six credit hours of coursework chosen from any of the available Political Science (PS) courses.

Minor in Public Administration (18 credit hours)

The minor in Public Administration requires a minimum of 18 credit hours of coursework. Course requirements are (PS 15500

or HIS 15500), PS 15600, FIN 32013, MGMT 33500, plus six credit hours of coursework chosen from ACCT 21010, ECON 33020, ECON 33025, ECON 33030, ECON 33035, ECON 33050, FIN 32000, INTL 48020, MGMT 26032, HRM 36510, HRM 36520, HRM 36540, MGMT 26061, ECON 33055, ACCT 41060, INTL 48040, PS 47500, HIS 31400, HIS 31600, PS 30100, PS 30700, PS 31100, PS 31500, PS 34500, PS 36000, PS 36500, PS 36700, PS 39500, and PS 45000.

Pre-Law

Students who desire to attend law school can major in any undergraduate discipline. Law schools are interested in students who have a sound and broad general education. They are seeking students who have become proficient at basic skills such as reading comprehension, critical thinking, writing competence, and oral communication. The following classes are recommended for students desiring to enter law school: ACCT 21010, ECON 23020, ECON 23030, ECON 23010, MGMT 26061, MGMT 26061, MGMT 46063, COM 10500, COM 11000, ENG 30200, PHL 21500, PHL 35000, PS 15500, PS 30700, PS 31100, PS 36000, PS 45000, SOC 31800, SOC 32100, and SW 10000.

Note that Political Science, Public Administration, and Business Administration majors can easily complete many of these classes along with their general education (GE) and respective degree requirements without exceeding the minimum 128 credit hours needed for graduation. Completion of these courses does not entitle the student to any type of minor, emphasis, or certificate.

DEPARTMENT OF RELIGION (DR. MICHAEL MASON, CHAIR) PROGRAM DESCRIPTION

The Department of Religion offers a bachelor of arts degree in religion as well as a minor in religion and a minor in the philosophy of religion. Through this department, Lindenwood students have the opportunity to study religion from a non-sectarian, academic point of view. The goal of the study of religion is not to promote or undermine religion or any particular religious tradition; an academic approach to religion aims to understand critically the power, prevalence, and relevance of religion in many cultures and aspects of life. The religion program may be used as a basis for graduate work in academic study and research, as preparation for religious training, or as background and support for other business and professional careers.

Bachelor of Arts in Religion (36 credit hours)

The bachelor of arts in religion requires a core of 12 credit hours and 24 credit hours of REL courses or the equivalent. The core is made up of the following courses: REL 15000, REL 20100, REL 32500, and REL 40000. Majors must also complete 24 more credit hours selected from REL 20200, REL 21000, REL 21100, REL 22200, REL 23000, REL 28000, REL 28100, REL 28200, REL 30000, REL 30500, REL 31000, REL 31800, REL 32000, REL 33000, REL 38000, REL 38100, and REL 38200.

Minor in Religion (18 credit hours)

A minor in religion requires REL 15000, REL 20100, REL 32500, and nine credit hours chosen from REL 20200, REL 21000, REL 21100, REL 22200, REL 23000, REL 28000, REL 28100, REL 28200, REL 30000, REL 30500, REL 31000, REL 31800, REL 32000, REL 33000, REL 38000, REL 38100, and REL 38200.

Minor in Philosophy of Religion (21 credit hours)

The Department of Religion, in conjunction with the Department of Philosophy, offers a minor in philosophy of religion. The Philosophy of Religion minor requires REL 32500, nine credit hours of philosophy courses selected from PHL 31100, PHL 31200, PHL 31300, PHL 31800, (PHL 26500 or PHL 365000), PHL 34500, and PHL 35500, and nine credit hours of Religion courses selected from REL 20100, REL 20200, REL 30000, REL 31000, and REL 32000.

SCHOOL OF SCIENCES

DEPARTMENT OF ANTHROPOLOGY / SOCIOLOGY (DR. RAYMOND SCUPIN, CHAIR) PROGRAM DESCRIPTION

Anthropology Program Description

The Department of Anthropology/Sociology offers degrees in both Anthropology and Sociology. The Department of Anthropology and Sociology offers a bachelor of arts in anthropology with two different emphases: cultural anthropology and archaeology. Students must choose one of the two emphases. A minor in Anthropology is also offered.

A degree in anthropology will provide students with the skills necessary to find a job in Archaeology or continue their studies in graduate school. Anthropology majors will gain a broad, global perspective on both the past and the present. The courses within this program will prepare students for a broad range of careers in archaeology, cultural resource management, and/or anthropology, in such diverse job settings as the academic world, cultural and historical institutions, museums, consulting engineering/environmental companies, international studies, parks and forestry services, multinational corporations, local, state, tribal, and federal government, law, international journalism, international economic development, humanitarian services, teaching, or consulting.

Bachelor of Arts in Anthropology

The bachelor of arts degree in anthropology requires the core courses of: ANT 11200, ANT 13000, ANT 21000, ANT 22500, ANT 32000, SOC 32000, ANT 46000, SOC 10200, and MTH 14100. In addition, students will choose one of the two following areas of emphasis to complete the major requirements.

Cultural Anthropology Emphasis (50 credit hours)

The bachelor of arts in anthropology with an emphasis in Cultural Anthropology requires the following courses in addition to the core courses: PSY 10000, ANT 30000, ANT 32400, ANT 31800, PSY 30400, PSY 30600 plus 9 hours selected from the following courses: ANT 30800, ANT 31700, ANT 33400, ANT 40500, ANT 45000, PHL 19000, PHL 26500, PHL 31300, PHL 31800, REL 23000, REL 31800, SOC 21400, SOC 24000, SOC 32100, or SOC 32400.

Archaeology Emphasis (50 credit hours)

The bachelor of arts in anthropology with an emphasis in Archaeology requires the following courses in addition to the core courses: ANT 30800, ANT 35000, and ANT 40500. Students will also choose 9 hours from the Methodology Focus courses and 6 hours from the Research Focus courses.

Methodology Focus

ANT 40800, ANT 45000, ART 12000, ART 18100, ART 18101, ART 30600, ESC 20000, MTH 24100

Research Focus

ART 35700, AST 20200, AST 26500, ENG 30400, HIS 20300, HIS 22300, HIS 30800, SOC 24000, ANT 31800.

Minor in Anthropology (18 credit hours)

The minor in Anthropology requires 18 credit hours selected from the following courses: ANT 11200, ANT 13000, ANT 21000, ANT 22500, ANT 30000, ANT 30800, ANT 31700, ANT 31800, ANT 32000, ANT 32400, ANT 33400, ANT 35000, ANT 40500, ANT 45000, SOC 31800, or SOC 32000.

Sociology Program Description

Lindenwood University offers a bachelor of arts degree in sociology through the School of Sciences. The purpose of this degree is to provide 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.

The department also offers a minor in Sociology. Students should consult with the faculty if they want to pursue a minor in Sociology.

Bachelor of Arts in Sociology (42 credit hours)

The bachelor of arts in sociology requires the following courses: ANT 11200, SOC 10200, SOC 32000, MTH 14100, PSY 10000, PSY 30400, PSY 30600, plus one SOC course above the 10000-level. In addition, 18 credit hours of Sociology and Anthropology electives must be selected from SOC 21400, SOC 22000, SOC 31500, SOC 31800, SOC 32100, SOC 32200, SOC 32400, SOC 34000, ANT 13000, ANT 21000, ANT 30000, ANT 31700, and ANT 32400.

Minor in Sociology (18 credit hours)

The minor in sociology requires a total of 18 credit hours. Students must take SOC 10200 plus 15 additional credit hours of coursework selected from the following: SOC 21400, SOC 22000, SOC 24000, SOC 31500, SOC 31800, SOC 32000, SOC 32100, SOC 32200, SOC 34000, SOC 39000, SOC 40000, SOC 45000, and ANT 11200.

DEPARTMENT OF BIOLOGY (DR. MARILYN ABBOTT, CHAIR) PROGRAM DESCRIPTION

The Department of Biological and Earth Sciences offers several different degrees in biology to prepare students for a variety of interesting and fulfilling career opportunities. Many students who elect to major in biology are interested in pursuing careers in health care, such as physician, dentist, physicians' assistant, clinical laboratory scientist, and many others. For these students, the B.S. in Biology is the best degree choice. It is also the best preparation for students who plan to pursue graduate studies in biology and related fields.

Students who plan to enter the workforce immediately after earning a bachelor's degree often pursue the B. A. in Biology. These graduates find employment in testing and research labs in a variety of industry and academic settings. For students interested in the biology of the natural world, the B.A. in Environmental Biology is an excellent choice. This degree program prepares students for careers in natural resource management,

environmental protection, and habitat restoration.

Many students choose a biology major because they plan to teach at the high-school level. For those students, the Department of Biological and Earth Sciences offers two different curricula. The B.A. in Biology with Certification in Secondary Education prepares students to teach high school biology, while the B.A. in Biology with Unified Science Certification prepares students to teach both biology and chemistry at the high school level. The Department of Biological and Earth Sciences offers the following degrees:

1. Bachelor of Arts in Biology
2. Bachelor of Arts in Biology with Unified Science Certification
3. Bachelor of Arts in Biology with Secondary Education Certification
4. Bachelor of Arts in Environmental Biology
5. Bachelor of Science in Biology

A minor in Biology is also offered.

The B.S. degree in Biology may be used as a Pre-Professional program for students wishing to apply for medical, dental, optometry, pharmacy, or veterinary schools.

Bachelor of Arts in Biology 64 credit hours)

The Bachelor of Arts in Biology requirements are as follows: BIO 25100, BIO 25200, BIO 32000, BIO 32400, BIO 40400, BIO 40800, BIO 46400, BIO 46500, BIO 48500, BIO 48600, plus 10 credit hours of Biology electives selected from Biology courses number 20000 and above. Additional requirements are CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, MTH 15100, MTH 15200, MTH 24100.

Bachelor of Arts in Biology-Secondary Education Certification (102 credit hours)

In conjunction with the School of Education, a bachelor of arts in biology with Secondary Education Certification is offered for students wishing to pursue a career in secondary education. This degree requires 102 credit hours of coursework. The required science courses include BIO 25100, BIO 25200, BIO 22700, BIO 22800, , BIO 32000, BIO 40400, BIO 40800, BIO 46400, BIO 46500, BIO 48500, BIO 48600; CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200; PHY 25100, and (PHL 26500 or SCI 21200.) The required mathematics courses are: MTH 15100, MTH 15200, and MTH 24100.

The required education courses include EDU 10000, EDU 21500, EDU 20200, EDU 30400, EDU 30700, EDU 32100, EDU 33000, EDU 34100, EDU 34300, EDU 38000, and EDU 41000.

Bachelor of Arts in Biology with Unified Science Certification (114 credit hours)

In conjunction with the School of Education, a biology degree with a unified science endorsement is offered for those students who desire more flexibility in their secondary science education career. A total of 114 credit hours of coursework is required for the degree, including 38 credit hours in Biology, 35 credit hours in other areas of Math and Science, and 37 credit hours in Education courses.

The biology course requirements for the B.A. in Biology with a Unified Science certification include BIO 22700, BIO 22800, BIO 25100, BIO 25200, BIO 32000, BIO 40400, BIO 40800, BIO 46400, BIO 46500, BIO 48500, and BIO 48600.

Other required Math and Science courses include CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, ESC 10000, ESC 11000, ESC 11100, MTH 15100, MTH 15200,

MTH 24100, PHY 25100, PHY 25200, and (PHL 26500 or SCI 21200.)

Required Education Courses include EDU 10000, EDU 21500, EDU 20200, EDU 30400, EDU 30700, EDU 32100, EDU 33000, EDU 34100, EDU 34300, EDU 38000, and EDU 41000.

Bachelor of Arts in Environmental Biology (68 credit hours)

The Bachelor of arts in environmental biology requires the following courses: BIO 25100, BIO 25200, BIO 26300, BIO 32000, BIO 32400, BIO 36200, BIO 36600, BIO 40800, BIO 46400, BIO 46500, BIO 48500, BIO 48600. Other required courses include: CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, and either CHM 35500 or CHM 36100; ESC 10000 and ESC 20000; MTH 15100 and MTH 24100.

Bachelor of Science in Biology (76-77 credit hours)

The bachelor of science in biology requires the following courses: BIO 25100, BIO 25200, BIO 32000, BIO 32400, BIO 40400, BIO 40800, BIO 46400, BIO 46500, BIO 48500, BIO 48600, plus 10 credit hours of Biology electives selected from Biology courses number 20000 and above. The following courses are also required: CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 36100, CHM 36200, MTH 24100 and either (MTH 27100 and MTH 27200) or (MTH 17000 and PHY 25100 and PHY 25200.)

Minor in Biology (36-38 credit hours)

The minor in Biology requires the following courses: BIO 25100, BIO 25200, BIO 40400, BIO 40800, (BIO 46500 or BIO 46400), plus one Biology elective numbered 30000 or above. Additional requirements are CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, and MTH 24100.

EARTH SCIENCES PROGRAM (DR. EDWARD PERANTONI, CHAIR) PROGRAM DESCRIPTION

Currently Lindenwood University does not offer either a major or minor in Earth Sciences. The curriculum in Earth Sciences is designed to meet the following needs: 1) requirements for secondary science teachers, when demand for science educators is at an all time high; 2) additional flexibility in meeting the general education science requirements for all undergraduates; 3) an opportunity for undergraduates who desire it to earn the Unified Science Certificate; and 4) new opportunities for undergraduates interested in environmental biology and environmental science.

Natural Sciences Program Program Description

Natural Science courses (SCI) are offered as interdisciplinary courses in the Schools of Sciences and Humanities. No major is offered.

Pre-Chiropractic Program Program Description

Lindenwood University offers a 3+3 degree program in association with Logan College of Chiropractic. Essentially, students follow the Lindenwood curriculum for a B.S. degree in Biology. If the student is accepted into Logan College after the third year at Lindenwood, he or she will transfer to Logan for the fourth year. After completing the first year of study at

Logan, the student will earn the B.S. degree in Biology from Lindenwood University. Two additional years of study at Logan College are required to earn the Doctor of Chiropractic degree. 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-Professional Studies In Health Sciences Program

At Lindenwood, Pre-Professional Studies in the Health Sciences include Pre-Medicine, Pre-Nursing, Pre-Veterinary Medicine, Pre-Dentistry, and Pre-Optometry programs, all of which are designed to specifically meet the course requirements and prepare students to take the mandatory entrance exams. More than ever before, health professions schools are placing the value on personal characteristics, including intellectual curiosity and a sense of altruism in the selection of successful applicants. Nevertheless, performance on the entrance exams, cumulative undergraduate GPA, Science and Math GPA along with experience (work related or voluntary) in the desired field are still important criteria in obtaining admission into the desired health profession. Some factors which bear serious consideration by the student prior to his/her decision to enter any of the pre-professional studies are personal motivation, realistic assessment of the demands of clinical training and practice, and working with the ill and infirm.

Students should also realize that admission into the health professions schools is highly competitive. With regard to undergraduate curriculum, specific course requirements may vary among medical/ veterinary/ dental/optometry schools, but all schools realize the value of a broad education, with demonstrated ability in the sciences, well-developed verbal and written communication skills, and a background in the humanities and social sciences. To perform above the national norms, students should finish certain courses before appearing for the entrance exam in their chosen profession.

Students should also check the coursework-related information on specific schools in the Admissions Requirements books which are published annually in the various disciplines by the professional associations.

Pre-Medicine / Pre-Dentistry / Pre-Optometry / Pre-Veterinary Medicine Programs

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:

1. General Chemistry with lab 2 semesters
2. General Biology with lab 2 semesters
3. Physics 2 semesters
4. Organic Chemistry 2 semesters
5. English 2 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-Nursing Program

Lindenwood University has an articulation agreement with Barnes-Jewish College of Nursing (BJCoN) in St. Louis. Students pursue a two year course of study at Lindenwood and then transfer to BJCoN for two years of work leading to the BSN degree. The following courses are to be taken by Lindenwood students who intend to participate in this program: BIO 10000, BIO 12100, BIO 22700, BIO 22800, BIO 23000, CHM 10000, ENG 15000, ENG 17000, MTH 14100, MTH 15100, PSY 10000, PSY 20500, SOC 10200, plus 6 additional courses to be selected from areas specified in the articulation agreement. A similar schedule of coursework will prepare students to enter other BSN programs as well. Students interested in participating in the Pre-Nursing program should meet with a Pre-Nursing advisor before planning their first semester schedule.

DEPARTMENT OF CHEMISTRY (DR. RICARDO DELGADO, CHAIR) PROGRAM DESCRIPTION

Careers

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 chemical industry either in 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 that wish to extend their education should choose to pursue one of the Bachelors of Science degrees which are more appropriately suited for graduate work in chemistry and biochemistry. The Bachelor of Science with Concentration in Biochemistry is well suited as a Pre-Health Science degree offering a number of the chemistry, math, and biology courses required by these 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 health care administration.

Typical Coursework

Majors in chemistry are required to complete significant coursework in math, chemistry, and physics as well as biology for the biochemistry concentration. Typically the major requires that the student participate in at least one lab course per semester with many semesters where 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.

Program Descriptions

The Department of Chemistry offers the following degree plans:

1. Bachelor of Arts in Chemistry

2. Bachelor of Arts in Chemistry with a concentration in Forensics
3. Bachelor of Science in Chemistry
4. Bachelor of Science in Chemistry with concentration in Biochemistry

In conjunction with the School of Education, the Department of Chemistry offers the following degree plans for those students wishing to pursue a career in secondary education:

1. Bachelor of Arts in Chemistry with Unified Science Certification
2. Bachelor of Arts in Chemistry with certification in Education
3. Bachelor of Science in Chemistry with certification in Education

A minor in Chemistry is also offered.

Bachelor of Arts in Chemistry (51-52 credit hours)

The bachelor of arts in chemistry requires CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 35500, CHM 36100, CHM 36200, (CHM 45500 or CHM 47100), CHM 48500, and plus three credit hours of chemistry electives at the 30000 or higher level. Additional required courses include MTH 24100, MTH 27100, MTH 27200, and either (PHY 25100 and PHY 25200) or (PHY 30100 and PHY 30200). (Note that an additional course of BIO or ESC is required to fulfill Gen. Ed. Requirements.)

Bachelor of Arts in Chemistry with a Concentration in Forensics (79 credit hours)

The bachelor of arts in chemistry with concentration in forensics requires CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 31100, CHM 35500, CHM 36100, CHM 36200, CHM 45500, CHM 48000 (3 credits), CHM 48500, BIO 22700, BIO 22800, BIO 25100, MTH 17000, MTH 24100, PHY 25100, PHY 25200, ART 18100, CJ 10100, CJ 21000, CJ 30100, CJ 31000, and CJ 33100.

Bachelor of Science in Chemistry (78 credit hours)

The bachelor of science in chemistry requires CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 30000, CHM 35500, CHM 36100, CHM 36200, CHM 45500, CHM 44000, CHM 42100, CHM 47100, CHM 47200, CHM 47300, CHM 48500, and three credit hours of CHM 48900. Additional required courses include BIO 25100, MTH 24100, MTH 27100, MTH 27200, MTH 30300; PHY 30100, and PHY 30200.

Bachelor of Science in Chemistry with Concentration in Biochemistry (73 credit hours)

The bachelor of science in chemistry with concentration in biochemistry requires CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 30000, CHM 35500, CHM 36100, CHM 36200, CHM 45500, CHM 42100, CHM 42200, CHM 47100, and CHM 48500. Required courses in Biology are BIO 25100, BIO 25200, and BIO 40400. Other required courses include MTH 24100, MTH 27100, MTH 27200, and either (PHY 25100 and PHY 25200) or (PHY 30100 and PHY 30200.)

Bachelor of Arts in Chemistry with Unified Science Endorsement (113 credit hours)

Bachelor of arts in chemistry with a unified science endorsement requires CHM 11100, CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 35500, CHM

36100, CHM 36200, CHM 47100, and CHM 48500. Required Biology courses include BIO 25100, BIO 25200, BIO 36200. Other required courses include MTH 24100, MTH 27100, MTH 27200, either (PHY 25100 or PHY 25200) or (PHY 30100 and PHY 30200), ESC 10000, ESC 11000, and either PHL 26500 or SCI 21200. See the Education section of this catalog for required EDU courses.

Bachelor of Arts in Chemistry Certification in Education (95 credit hours)

The chemistry course requirements for the bachelor of arts in chemistry certification in education are CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 35500, CHM 36100, CHM 36200, (CHM 45500 or CHM 47100) with an additional 3 credit CHM course at the 30000 level or higher, CHM 48500. Other required courses include MTH 13400, MTH 24100, MTH 27100, MTH 27200, and either (PHY 25100 and PHY 25200) or (PHY 30100 and PHY 30200). See the Education section of this catalog for required EDU courses.

Bachelor of Science in Chemistry Certification in Education (110 credit hours)

The Chemistry course requirements for the Bachelor of Science in Chemistry Certification in Education are CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 30000, CHM 35500, CHM 36100, CHM 36200, CHM 45500, CHM 40100, CHM 47100, CHM 47200, CHM 47300, CHM 48500, plus 3 credits of CHM elective at the 30000 or higher level. Other required courses include MTH 13400, MTH 24100, MTH 27100, MTH 27200, MTH 30300, PHY 30100, and PHY 30200. See the Education section of this catalog for required EDU courses.

Minor in Chemistry (22 credit hours)

The minor in Chemistry requires the following courses: CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, CHM 35500, CHM 36100, plus 3 credit hours of Chemistry electives at or above the 30000 level.

DEPARTMENT OF COMPUTER SCIENCE (MS. RENEE VAN DYKE, CHAIR) PROGRAM DESCRIPTION

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. Your career can be part of this new age with four years of concentrated study at Lindenwood University. The Department of Computer Science offers the following degrees:

1. B.A. in Computer Science
2. B.S. in Computer Science
3. B.S. in Computer Information Systems

The department also offers a minor in Computer Science. The Bachelor of Science degree in Computer Science is

intended for those 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 degree in Computer Science is intended for those 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 Science degree in Computer Information Systems is intended for those 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.

Each major requires a grade of "C" or better in each prerequisite course required for the degree and a minimum GPA of 2.00 in all courses required for the major. 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:

1. have complete CSC 25500 with a "C" or better
2. have a minimum 2.8 grade point average
3. currently have a good academic standing status with the university
4. receive the recommendation of the Computer Science Faculty

For further information students should contact their academic advisor.

Bachelor of Arts in Computer Science (57 credit hours)

Required courses are CSC 10000, CSC14400, CSC 24400 , CSC 25500, CSC 30500, CSC 34400, CSC 36000, CSC 40300, CSC 40600, CSC 43000 and three credit hours of Computer Science electives numbered 30000 or above. Also required are MTH 24100, MTH 27100, MTH 27200, MTH 28500, and PHY 30100. Majors may also elect to take COM 33400, or MIS 34060, or MIS 44020 as elective courses.

Bachelor of Science in Computer Science (67 credit hours)

Required courses are CSC 10000, CSC 14400, CSC 24400, CSC 25500, CSC 30500, CSC 34400, CSC 36000, CSC 40300, CSC 40600, CSC 43000, and six credit hours of Computer Science electives numbered 30000 or above. Also required are MTH 22100, MTH 27100, MTH 27200, MTH 28500, MTH 31500, PHY 30100, and PHY 30200. Majors may also elect to take COM 33400, or MIS 34060, or MIS 44020 as elective courses.

Bachelor of Science in Computer Information Systems (57 credit hours)

Course requirements are CSC 10000, CSC 14400, CSC 24400, CSC 30500, CSC 34400, CSC 43000, CSC 44700, and fifteen credit hours of CSC electives numbered 25000 or higher. Also required are MTH 13100, MTH 14100; ACCT 21010, ACCT 21011, ECON 23010. MGMT 26032, and HRM 36500. Majors may also elect to take COM 33400, or MIS 34060, or MIS 44020 as elective courses.

Minor in Computer Science (23 credit hours)

The minor in Computer Science requires the following courses: CSC 10000, CSC 14400, CSC 24400, CSC 36000, and nine hours of elective selected from CSC 25500 and any Computer Science course numbered 30000 or above.

DEPARTMENT OF MATHEMATICS AND PHYSICS (DR. WOJCIECH GOLIK, CHAIR) PROGRAM DESCRIPTION

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 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 the optimal information, and understand spatial and temporal relationships.

The Bachelor of Science in Mathematics and Bachelor of Arts in Mathematics prepare students for graduate studies in Mathematics, Bioinformatics, Operations Research and Management Science. Other options include jobs at large corporations as operations research personnel, computing researchers (with a computer science minor), and statisticians. The Bachelor of Arts in Mathematics with Secondary Education Certification prepares students for a teaching career in high schools. The Bachelor of Arts in Mathematics with Emphasis in Actuarial Studies is 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. A Minor in Engineering Physics is pursued by Mathematics and Computer Science majors. 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 their 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.

The Department of Mathematics and Physics offers the following degrees:

1. B.A. in Mathematics
2. B.A. in Mathematics with Actuarial Studies Emphasis
3. B.A. in Mathematics with Secondary Certification
4. B.S. in Mathematics
5. B.S. in Mathematics with Actuarial Studies Emphasis

The department offers minors in Mathematics and Engineering Physics. It also sponsors the Pre-Engineering program at Lindenwood University.

Each major requires a grade of C or better in each course required for any of the above degrees. A student majoring in Mathematics may participate in a dual degree program in Engineering. See the Pre-Engineering section of this catalog for more information.

Mathematics Program

Bachelor of Arts in Mathematics (47 credit hours)

The bachelor of arts in mathematics requires the completion of the following courses: MTH 24100, MTH 27100, MTH 27200, MTH 28500, MTH 30300, MTH 31100, MTH 31500, MTH 32000, CSC 10000, CSC 14400, PHY 30100, plus 6 credit hours of mathematic courses at the 30000 level or above.

Bachelor of Arts in Mathematics with Actuarial Studies Emphasis (59 credit hours)

The bachelor of arts in mathematics with actuarial studies Emphasis requires the completion of the following courses: MTH 24100, MTH 27100, MTH 27200, MTH 28000, MTH 28500, MTH 30300, MTH 31100, MTH 31500, MTH 34100, MTH 34200, MTH 39000, CSC 10000, CSC 14400, PHY 30100. Students must also complete the following BA courses: ACCT 21010, ECON 23020, and ECON 23030.

Bachelor of Arts in Mathematics with Secondary Certification (86 credit hours)

The bachelor of arts in mathematics with secondary certification requires the completion of 47 credit hours of coursework in mathematics, computer science and physics. Required courses consist of MTH 24100, MTH 27100, MTH 27200, MTH 28500, MTH 30300, MTH 31100, MTH 31500, MTH 32000, MTH 33000, CSC 10000, CSC 14400, PHY 30100, plus 3 credit hours of mathematics courses at the 30000 level or above. In addition, students must complete 37-39 credit hours of educational courses. The following Education courses must be completed: EDU 10000, EDU 20200, EDU 30400, EDU 30700, EDU 32100, EDU 33100, EDU 34100, EDU 34300, EDU 38000, and EDU41000.

Bachelor of Science in Mathematics (61 credit hours)

The bachelor of science in mathematics requires the completion of 61 credit hours of coursework in mathematics, computer science, and physics. Course requirements are: MTH 241, MTH 27100, MTH 27200, MTH 28500, MTH 30300, MTH 31100, MTH 31500, MTH 32000, MTH 37000, CSC 10000, CSC 14400, CSC 18400, PHY 30100, PHY 30200, plus 9 credit hours of mathematics courses at the 30000 level or above.

Minor in Mathematics (24 credit hours)

The minor requires completion of the following courses MTH 27100, MTH 27200, MTH 28500, MTH 30300, MTH 31500, plus an additional 3 credit hours of mathematics at the 30000 level or above.

Physics Program Program Description

Courses in Physics are offered in the School of Science in support of majors in other academic programs. No major is offered at this time. However, a minor in Engineering Physics is offered that requires the completion 37 credit hours of coursework.

Minor in Engineering Physics (37 credit hours)

The minor in Engineering Physics requires completion of the following courses: PHY 30100, PHY 30200, PHY 30300, EGR 33100, EGR 36100, EGR 36200, MTH 27100, MTH 27200, MTH 30300.

Pre-Engineering Program Program Description

The Department of Mathematics and Physics also offers programs in pre-engineering, such that students can take the first two or three years of their 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 his or her 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 target engineering 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. It should also be noted that any student intending to finish at Lindenwood in the given number of years must be prepared to take Calculus I during the first semester.

Transfer/Articulation Agreements

Lindenwood University has Transfer/Articulation agreements in place with Engineering programs at the following universities: University of Missouri-Columbia, University of Missouri- Rolla, University of Missouri-St. Louis, and Washington University. Students should meet with a Lindenwood Liaison Officer for Engineering to discuss the specific requirements for each transfer university. Students participating in the Pre-Engineering program at Lindenwood should complete the following core courses: MTH 27100, MTH 27200, MTH 30300, MTH 31100, PHY 30100, PHY 30200, CSC 10000, CSC 14400, CSC 18400, CHM 23000, CHM 23100, CHM 23200, CHM 24100, CHM 24200, EGR 25100, EGR 33100, EGR 33200, EGR 36100, and EGR 36200.

DEPARTMENT OF PSYCHOLOGY (DR. CHRISTOPHER SCRIBNER, CHAIR) PROGRAM DESCRIPTION

The bachelor or arts in psychology is a general liberal arts degree that prepares graduates for lifelong learning. Features of the major include exposure to and practice in problem-solving skills, critical thinking skills, information-gathering and synthesis skills, interpersonal and intrapersonal skills, and skills in research and statistical reasoning. The field's knowledge base regarding human behavior is pertinent to virtually all careers that entail dealing 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. Psychology majors sometimes 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 Arts in Psychology and a minor in Psychology. Course requirements are given below.

Bachelor of Arts in Psychology (45 credit hours)

The bachelor of arts degree in psychology requires the core coursework of PSY 10000, PSY 30300, PSY 30400, PSY 30600, PSY 43200, BIO 10700, and MTH 14100. In addition, students must choose two courses (six credit hours) from each of the following four subject areas.

Clinical Psychology: PSY 22000, PSY 30900, PSY 31100, PSY 32400, PSY 34100, PSY 36500, PSY 41200;

Experimental Psychology: PSY 32500, PSY 33000, PSY 33100, PSY 33200, PSY 33400;

Developmental Psychology: PSY 20500, PSY 20800, PSY 21000, PSY 31200, PSY 31300

General Psychology: PSY 23100, PSY 23500, PSY 29000, PSY 39000, PSY 40400, PSY 42000, PSY 45000.

Minor in Psychology (21 credit hours)

The minor in psychology requires the completion of the following courses: PSY 10000, PSY 30300; MTH 14100, three credit hours of clinical psychology, three credit hours of experimental psychology, three credit hours of developmental psychology, and three credit hours of general psychology.

COURSE DESCRIPTIONS

(NOTE: Courses are listed alphabetically by course ID)

Courses that can fulfill General Education requirements include a designation in their course descriptions indicating the GE category the course can fulfill. The list of such designations and their meaning are listed in the table below.	
GE-Eng – Satisfies the GE English Composition requirement	GE-CrsClc – Satisfies the GE Cross Cultural requirement
GE-Comm – Satisfies the GE Communications requirement	GE-ForLang – Satisfies the GE Foreign Language requirement
GE-Lit – Satisfies the GE English Literature requirement.	GE-SocSci – Satisfies the GE Social Science requirement
GE-Phil-Rel – Satisfies the GE Philosophy/Religion requirement	GE-BioSci – Satisfies the GE Biological Science requirement
GE-Fine Art – Satisfies the GE Fine Art requirement.	GE-EarthSci – Satisfies the GE Earth Science requirement
GE-AmGovHis – Satisfies the GE American Government/History requirement	GE-PhysSci – Satisfies the GE Physical Science requirement
GE-WHis – Satisfies the GE World History requirement	GE-Math – Satisfies the GE Mathematics requirement
NOTE: Some courses can fulfill two different GE Requirements. However no student can use a single course can fulfill two different requirements.	

ACCOUNTING

ACCT 11090 Special Topics in Accounting (3) This course explores unique accounting topics and is designed to enhance the accounting education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ACCT 21010 Principles of Financial Accounting (3) This course introduces students to the accounting information framework used by organizations to collect, maintain, and report financial information. Special emphasis will be given to transaction analysis and the resulting effect on the accounting equation. Offered every semester. Prerequisite: Sophomore standing and a grade of C or better in MTH 14100 or MTH 13100 or higher.

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. Topics include discussions about different cost accumulation systems, cost management systems, activity-based costing and management, and planning and control. Offered every semester. Prerequisite: a C or better in ACCT 21010.

ACCT 21090 Special Topics in Accounting (3) This course explores unique accounting topics and is designed to enhance the accounting education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ACCT 31012 Accounting Cycle Analysis (3) This course focuses on the technical aspects of the accounting cycle. Students will process transactions utilizing both a manual accounting system and a popular electronic software package. All aspects of the

accounting cycle will be addressed including transaction entry, financial statement presentation, and closing entries. The course is intended for accounting majors or anyone wanting a thorough understanding of the accounting cycle. Prerequisites: a C or better in ACCT 21010 and MIS 24000.

ACCT 31020 Financial Accounting and Reporting I (3) This course examines the development, application, and importance of accounting standards, principles, and conventions, including US GAAP and IFRS variances. Problems of balance sheet valuations and their impact upon income statements for receivables, inventory, and assets will be covered in detail. Offered every semester. Prerequisite: a C or better in ACCT 21011.

ACCT 31021 Financial Accounting and Reporting II (3) This course is a continuation of ACCT 31020 and will focus on financial instruments and liabilities. Effects of judgment and opinion on the “fairness” of statement presentation will be studied. Offered every semester. Prerequisite: a C or better in ACCT 31020.

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 will include the use of modeling to determine value-added activities within an organization, the identification of risks and corresponding controls developed by an organization, and the design of an integrated relational database to support the information processes of the organization. Lab fee may be required. Offered every semester. Prerequisites: a C or better in ACCT 21011 and MIS 24000.

ACCT 31090 Special Topics in Accounting (3) This course explores unique accounting topics and is designed to enhance the accounting education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ACCT 31091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

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. Offered every semester. Prerequisite: a C or better in ACCT 31021.

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. Offered every semester. Prerequisite: a C or better in ACCT 21011.

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: a C or better in ACCT 21011.

ACCT 41050 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. Offered every semester. Prerequisites: a C or better in ACCT 21011 and FIN 32000.

ACCT 41055 Income Tax-Corporate (3) Analysis of the Federal Tax Code as it relates to corporations, partnerships, estates, and trusts will be discussed. Prerequisite: a C or better in ACCT 41050.

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. Offered fall semester only. Prerequisite: a C or better in ACCT 31020.

ACCT 41070 Financial Statement Analysis (3) This course explores profitability and risk analysis based on economic characteristics of a firm's business, the strategy a firm uses to compete in its industry, and an understanding of financial statements. Case studies are utilized to apply the tool of financial statement analysis to real companies in a variety of industries. Offered spring semester only. Prerequisite: a grade of C or better in ACCT 31020 or FIN 32000.

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. Professional standards, Generally Accepted Auditing Standards, legal liabilities of auditors, and specific auditing techniques will be explored. Offered every semester. Prerequisite: a C or better in ACCT 31021.

ACCT 41090 Special Topics in Accounting (3) This course explores unique accounting topics and is designed to enhance the accounting education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ACCT 41091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

ACCT 41095 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

ALL-COLLEGE

See page 86 of this catalog for the course descriptions of all COL courses.

AMERICAN STUDIES

See page 75 of this catalog for the course description of all AST courses.

ANTHROPOLOGY

ANT 11200 Cultural Anthropology (3) (GE-SocSci/CrsClnt) Students are introduced to the various fields within anthropology with a focus on the study of different forms of societies. The course includes such topics as culture, language, and the impact of globalization on societies. Course offered every semester.

ANT 13000 Biological Anthropology (3) (GE-BioSci) This course provides an introduction to the anthropological sub-field of Biological Anthropology. Students will learn about the biological evolution of humans and current human variation through fossil and genetic studies of primate and human populations. Forensic Anthropology will be introduced in terms of its implications for modern day social and political events. An introduction to the archaeology of early human cultures of the world is included. Course offered Spring semester only.

ANT 21000 Native North American Indians (3) (GE-CrsClnt) This course offers a broad survey of the archaeology, traditional cultures, and the current conditions and perceptions of the Native American Indian populations of North America. Course offered Fall semester only. Prerequisite: ANT 11200 or SOC 10200 or HIS 10500.

ANT 22500 Introduction to Archaeology (4) In this course, students will be introduced to the anthropological sub-field of Archaeology. The course includes components on the history

and development of archaeology, theoretical underpinnings of archaeology, current and applied archaeology, cultural resource management, public education, job prospects, and a practical, hands-on, field experience in survey and excavation. Students will attend lectures during the first months of the semester and then participate in an actual field survey and limited excavation project on certain weekends in the last month (requires significant physical activity in the outdoors). Offered Spring semester only. Prerequisite: ANT 11200. Lab fee.

ANT 30000 Focus on Modern Asia (3) (GE-CrsClc) An anthropological survey of the demographic, economic, social, political, and cultural conditions in Southwest, South, East, and Southeast Asia. Course offered Fall semester only. Prerequisite: HIS 10000 and either ANT 11200 or SOC 10200 and JR standing.

ANT 30800 Archaeological Field School (6) This course offers the opportunity to gain intensive training in archaeological field methods including: excavation, site survey, mapping, map reading, artifact collection, and interpretation. The course will meet Monday through Friday, all day, and potentially require living away from campus for 4 or 6 weeks, depending upon the archaeological project being undertaken. This course is often a requirement for graduate programs specializing in archaeology and/or for jobs in the cultural resource management field. Lab and additional fees are required. Course offered intermittently. Prerequisites: ANT 11200 and ANT 22500.

ANT 31700 Social and Cultural Change (3) (GE-CrsClc) An anthropological perspective of the prehistoric, historical, and contemporary global cultural changes in societies throughout the world. Course offered intermittently. Prerequisite: HIS 10000 and either ANT 11200 or SOC 10200 and JR standing.

ANT 31800 Race and Ethnicity: A Global Perspective (3) (GE-CrsClc) This course focuses on patterns of race and ethnic relations throughout the world. Selected issues in contemporary race and ethnic relations in American society are examined. Cross Listed with SOC 31800. Course offered every semester. Prerequisite: ANT 11200 or SOC 10200 and JR standing.

ANT 32400 The Anthropology of Religion (3) (GE-CrsClc) This course is an introduction to the anthropological studies of religions throughout the world. The course begins with an introduction to how anthropologists define and study religion. The course presents the ethnographic research by cultural anthropologists on indigenous religions including shamanism, witchcraft, along with the current trends within the Great World religions including Judaism, Catholicism, Protestantism, Islam, Hinduism, Buddhism, and the New Age traditions. Course offered Spring semester of odd numbered years. Prerequisites: ANT 11200 or SOC 10200 or REL 15000 and JR standing.

ANT 33400 Islamic Societies (3) (GE-CrsClc) This course is an introduction to Islamic societies of the Middle East, South, and Southeast Asia. The course will introduce the history and the current trends of the Islamic world. Course offered intermittently. Prerequisite: HIS 10000 and either ANT 11200, SOC 10200 or REL 15000 and JR standing.

ANT 35000 Introduction to Cultural Resource Management (3) The field of Cultural Resource Management (CRM) employs the majority of archaeologists in the United States. Job prospects in this field are significantly higher than other areas

of employment in anthropology. The CRM field also employs historians, architectural historians, folklorists, ethnographers, soil specialists, GIS technicians, writers, and graphic artists, among others. This course introduces students from many disciplines to this field. It will cover the advent of CRM, legal aspects of compliance work, interaction and ethical considerations with clients, basic archaeological survey and field techniques, project budgets, project management, project review, and CRM job prospects. While the focus of this course is archaeological, students from other disciplines will find many applications. Course offered intermittently. Prerequisites: ANT 11200 and ANT 22500

ANT 40500 Historical Archaeology (3) This course introduces students to the sub-discipline of Historical Archaeology. This course explores recent theoretical, methodological, and thematic developments in historical archaeology in North America. Topics concern the time period of approximately 1500 through 1900 and the material culture of Euro-Americans in North America. Students will examine how historical archaeologists use artifacts, historical documents, and other historical evidence in interpreting the recent past, and how historical archaeology uses material culture and historical documentation to study recent populations and issues such as class, gender, and ethnic identities. Course offered intermittently. Prerequisites: ANT 11200 and ANT 22500.

ANT 42000 Sociocultural Theory (3) This course is an introduction to the history and current developments in anthropological and sociological theory. The emphasis is on European and American theorists who had a strong impact on contemporary anthropology and sociology. Cross Listed with SOC 42000. Course offered in Spring semester of even numbered years. Prerequisite: ANT 11200 or SOC 10200 and JR standing.

ANT 45000 Internship in Anthropology (3-9) Students will do an internship with an anthropological focus. Course offered intermittently. Prerequisite: ANT 11200, ANT 22500, ANT 31800 and JR standing.

ANT 46000 Anthropological Capstone: Careers in Anthropology (1) Required of all Anthropology majors, this course is taken in the student's senior year. Students will be offered the opportunity to explore and learn about the many sub-disciplines of anthropology and focus on the requirements of possible career paths. A specific sub-discipline shall be chosen to write a prospectus paper about a possible career. Course offered intermittently. Prerequisites: ANT 42000 and permission of the dean.

ART

ART 10000 Fundamentals of Drawing and Design (3) (GE-FineArt) This general education course is specifically designed for non-Art majors and focuses on the skills required for communicating through 2-dimensional images. Drawing issues such as Space, Linear Perspective, Value, Texture and Scale are investigated along with Design issues including Unity, Emphasis, Balance, Repetition, and Shape. Demonstration of skills will be accomplished in and out of class through drawings and other studio projects. Offered every semester.

ART 10600 Two-Dimensional (2-D) Design (3) An introductory course in the elements of design applied to a two-dimensional surface. The course will address the variables of these elements

as applied to a flat surface. The student will learn how these variables can positively affect the dynamics of these surfaces. Offered every semester.

ART 10800 Color Theory (3) This course is a study of the properties of color and the optical effects in perception. The application of color theory through design problems using various media will be studied. Studio fee may be assessed. Offered every semester.

ART 12000 Introduction to Graphic Design (3) This course familiarizes students with the fundamentals of graphic design. It emphasizes the design process; developing an idea from thumbnail sketch, through tight roughs, to a comprehensive design. Focuses on the importance of presentation, industry standards and professional tools and techniques. Students will be introduced to software applications that are used in the visual communications industry. Lab fee required. Offered every semester.

ART 13000 Introduction to Drawing (3) This is an introductory course to drawing in varied media. Problems in rendering objects, perspective, space, and light are presented. Varied media and techniques of drawing are introduced. The course will be offered for art and non art majors. Sketchbook required. Offered every semester.

ART 13600 Three-Dimensional (3-D) Design (3) (GE-FineArt) This course offers an exploration of three dimensional space and design. Problems in the additive and subtractive processes will be concerned with open and closed space, mass, and volume. Basic fabrication skills will be covered. Sketchbooks required. Lab fee may apply. Offered every semester. Prerequisite: ART 10600.

ART 18100 Introduction to Photography (3) (GE-FineArt) This course introduces the student to photography. The course will include a hands-on component on producing and printing black and white photographs. Basic camera and composition skills will be covered. Other aspects of the course will include a discussion of photography as a profession, an historical overview, materials and techniques. Students will need to buy film and photographic paper. Studio fee. A 35mm SLR camera or digital camera is required depending upon the course emphasis stated in the schedule. Offered every semester.

ART 18101 Introduction to Digital Photography (3) (GE-FineArt) This course introduces the student to digital photography and Adobe Photoshop. The class will include hands on approach to producing and printing digital images. Basic camera and composition skills will be covered. Other aspects will include a historical overview, software options and techniques. Students will need a digital camera of at least 6 mp and a flash drive. Studio fee. Offered every semester.

ART 20000 Introduction to Painting (3) This is an introductory course to painting using varied media. Problems in composition, rendering of forms, color, and the techniques of painting will be studied. Offered every semester. Prerequisite: ART 13000.

ART 21000 Concepts in Visual Arts (3) (GE-FineArt) A course for non-art majors, this class presents a study of selected works in the visual arts by exploring the role of art in society with an emphasis on the creation and interpretation of works of art in media by examining style, aesthetics, social function, and the

expression of cultural values. Students will explore the creative process via studio projects. Offered every semester.

ART 22200 History of Western Art to 1300 (3) (GE-FineArt/CrsClnt) This course is an historical survey of Western art and architecture from Prehistoric times to the end of the Middle Ages in 1300 with an emphasis on the relationship between art, society, culture, religion, and politics. Major works of art and architecture will be discussed from the Ancient Near East, Egypt, Greece-Rome, and finally the Middle Ages. This course is open to all students. It is required for every art major. Offered every semester.

ART 22400 History of Western Art from 1300 (3) (GE Fine Art/CrsClnt) This course is an historical survey of Western art and architecture from the Renaissance to the present with an emphasis on the relationship between art, society, culture, religion, and politics. Major works of art and architecture will be discussed as a survey of major artistic movements from the fourteenth to the late twentieth century across Europe and America. This course is open to all students. It is required for every art major. Offered every semester.

ART 24000 Introduction to Ceramics (3) (GE-FineArt) This course serves as an introductory investigation of clay as a medium for creating functional and sculptural forms. Techniques are taught in hand building, glazing, and firing. Other aspects of this course will include a discussion of the historical aspects of ceramics, materials, and basic glaze chemistry. The student will become familiar with historical and contemporary ceramics through lectures, exhibits, and visual aids. This course is designed for art and non-art majors. Studio fee required. Offered every semester.

ART 25000 Typography (3) Typography is the visualization of spoken language. Through lectures, demonstrations, and studio projects, students are introduced to all aspects of typography. Student exercises include type as image and the relationship between visual and verbal language, the expressive characteristics of letterforms, and type design classifications. Course covers type terminology, typographic grids, hierarchy, typographic design, and history. Offered every semester. Prerequisites: ART 10600, ART 12000. Lab fee required.

ART 30000 Painting (3) This course instructs in painting in varied media with instruction and criticism appropriate to the need and level of the individual student. Repeatable for credit Offered every semester. Prerequisites: ART 13000, ART 20000 or permission of the dean.

ART 30600 Digital Imaging (3) This course covers the creation 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. Lab fee required. Offered every semester. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000.

ART 30800 Digital Illustration (3) This computer-based 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 builds 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. Offered every semester. Lab fee required. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000.

ART 31000 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 be covered 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; building self contained high and low resolution files. Offered every semester. Lab fee required. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000.

ART 31500 Printmaking (3) A study of the principles and processes of four types of printmaking will be covered: Relief, Lithography, Silkscreen, and Intaglio. Sketchbook required. Repeatable for credit. Studio fee. Offered Spring semester only. Prerequisite: ART 10600, ART 13000 or permission of dean.

ART 31600 Fashion Drawing (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 miniportfolio. Offered Spring semester only. Prerequisite: ART 13000 and ART 33100.

ART 32000 Sculpture (3) Sculpture in various media with instruction and criticism appropriate to the need and level of the individual student will be covered in this class. Sketchbooks required. Repeatable for credit. Studio fee required. Offered every semester. Prerequisites: ART 13000, ART 13600, or permission of dean.

ART 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. Students will 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. Offered every semester. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000, ART 30600. Lab fee required.

ART 33000 Drawing (3) Drawing in various media with instruction and criticism appropriate to the need and level of the individual student will be covered in this class. Repeatable for credit. Offered every semester. Prerequisite: ART 13000 or permission of dean.

ART 33100 Figure Drawing (3) This course deals with the study of drawing techniques and their application to the human form. Varied media and concepts will be introduced while studying the human figure. Repeatable for credit. Studio fee required. Offered every semester. Prerequisite: ART 13000 or permission of dean.

ART 33400 Fibers (3) Form, color, and surface design will be explored by means of basic fiber techniques as well as new innovative approaches to fiber. Skills in designing and making low relief three dimensional objects, dyeing and weaving will be explored. Studio fee may apply. Prerequisite: ART 10600 or permission of dean.

ART 34000 Ceramics (3) This class will explore using clay as a three-dimensional medium. Class projects are both functional and sculptural in nature, allowing the student to perfect skills in wheel throwing, hand building, kiln firing, and more advanced glaze formulation. Repeatable for credit. Studio fee required. Offered every semester. Prerequisites: ART 13600, ART 24000, or permission of dean.

ART 35000 Advanced Photography (3) This is an advanced course in the exploration of photographic techniques and principles. Students will explore more advanced techniques including nontraditional photographic techniques, the Zone system for 35mm, toning and bleaching prints, lighting and electronic flash. Emphasis will be placed on the development of individual printing style. Repeatable for credit. Students are required to have a 35mm SLR camera with flash, photographic paper, and film. Studio fee will apply. Offered Spring semester only. Prerequisite: ART 18100.

ART 35400 Nineteenth Century Art (3) (GE-CrsClt) Students will study Neoclassicism, Romanticism, Realism, Impressionism, and Post Impressionism in Europe in the 19th century. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 35600 Baroque Art (3) (GE-CrsClt) This survey course deals with the development of painting, sculpture, and architecture in 17th and 18th century Europe. Emphasis on Bernini, Caravaggio, Rubens, Rembrandt, and Velazquez. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 35700 Ancient Art (3) (GE-CrsClt) This survey course covers the art and architecture of the Ancient Near East, Egypt, the Aegean, Greece, and Rome. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 35900 American Art (3) This course is a study of American painting, sculpture, and architecture from the Colonial period to 1900. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 36100 Twentieth Century Art/Modern (3) (GE-CrsClt) The development of European and American Art from prior to the start of the twentieth century through the second world war will be studied. Stylistic movements such as Fauvism, Symbolism, Expressionism, Realism, Dada, and Surrealism through Abstract Expressionism are examined. Offered Fall semester only. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 36200 Twentieth Century Art/Contemporary (3) (GE-CrsClt) This courses is a study of modern European and American Art from the second world war through the Post-Modern era. The development of contemporary art and the contributions made since Abstract Expressionism in the visual arts and architecture are examined. Offered Spring semester only. Prerequisite: Art 22200 and ART 22400 or permission of dean.

ART 36300 Women Artists (3) (GECrsClIt) This is a survey course of women artists from the medieval period to the present. Images of women in art from the prehistoric period to the present will also be examined. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 36400 Non-Western Art (3) (GE-CrsClIt) This course offers a survey of the major artistic developments in world cultures other than the Greco-Roman-European tradition. Course material may focus on a specific culture, i.e. China, Japan, when identified as a subtitle. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 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. Offered intermittently. Prerequisites: ART 22200 and ART 22400 or permission of dean.

ART 37100 History of Costume in Fashion (3) This course is structured as an overview of the history of Western dress. Not open to students with credit in TA 31700. Offered intermittently. Prerequisites: ART 22200 and ART 22400 or permission of dean.

ART 38300 Renaissance Art (3) (GE-CrsClIt) This course is a study of painting, sculpture, and architecture of the Renaissance in Italy from 1300 to 1600. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 38500 Gallery Management (3) This course offers an experiential and hands on approach to learning about galleries and exhibitions. Students are expected to spend time outside of class for gallery walks and exhibition installations. Topics covered include: networking, art venues, legal issues, press releases, documentation, cover letters, reviews, etc. Offered intermittently.

ART 38600 Special Topics (1-3) This is a course designed to offer a variety of topics in art history, studio art, and design. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 38700 Special Topics (1-3) (GE Crs CH) This is a course designed to offer a variety of topics in art history, studio art, and design. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisite: ART 22200 and ART 22400 or permission of dean.

ART 40000 Senior Seminar (3) This capstone course is designed to help the student position him/herself in the path of an art career through an acquired awareness of his/her own creative direction. Verbal and written articulation of related artistic theories and ideas is the primary focus. Career related topics such as exhibition design and presentation, artwork documentation, resume and self-promotion development, legal and financial basics, etc. are interspersed with theory. Students must enroll in this course during the Fall semester of their senior year. Offered Fall semester only. Prerequisite: Senior Status.

ART 41800 Graphic Design Portfolio (3) This portfolio development course prepares graphic design seniors for entering the workforce. Coursework covers the advanced use of design applications to create professional, portfolio-worthy artwork. Student portfolios will showcase a unique style and demonstrate overall conceptual abilities and technical competencies. Professional design practices will be stressed. Studio fee will apply. Offered fall semester. Lab fee required. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000, ART 30600, ART 30800, ART 31000, COM 23300, COM 33400.

ART 41900 Graphic Design Studio (3) This course is a continuation of ART 41800. In addition to preparing the traditional and digital portfolios, students will be exposed to the legal and business issues affecting graphic designers today. Design topics such as freelancing, pricing, estimating, invoicing and copyright will be examined. Case studies and role-playing will be used to strengthen professional conduct and introduce best practices. An emphasis will be placed on the designer-client relationship. Offered spring semester. Lab fee required. Prerequisites: ART 10600, ART 10800, ART 12000, ART 25000, ART 30600, ART 30800, ART 31000, COM 23300, COM 33400, and ART 41800.

ART 46000 Exhibition (3) Students working toward the B.F.A. must enroll in this class during the term in which they mount their exhibition and complete their thesis. Offered every semester. Prerequisites: senior standing and ART 40000, or permission of dean.

ART 46500 Art Internship (3-6) This internship offers supervised work experience for the advanced student which requires the application of principles, skills and strategies within the discipline. May be repeated with departmental permission. Offered every semester. Prerequisite: junior or senior standing, Major GPA at least 3.0 or permission of dean.

AMERICAN STUDIES

AST 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. Lab fee required. This course offered every semester.

AST 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 one's understanding of frontier life and provide cooking skills to further enjoyment of the outdoors. Lab fee required. This course offered every semester.

AST 12300 Blacksmithing (1) This lecture and lab course introduces students to the life time activity of history and techniques of blacksmithing. Students will learn basic steps in safely operating a forge and producing simple objects from iron. Lab fee required. This course offered every semester.

AST 18600, 18700, 18800 Special Topics (1-3) These courses offer concentrated studies of specific topics within the field of American Studies. These are repeatable courses. Lab fee may be required. These courses are offered intermittently.

AST 20100 The American Promise (3) The course is a study of the American dream, American values, and the American experience as portrayed in essays, short stories, poems, plays, and films. The course directs students in examining a culturally diverse American society: goals Americans should try to achieve; assumptions about Americans; what happens when the dream is unfulfilled; what is the nature of the students' own dreams; and how can students attain their dreams. Selected readings will be from early colonial to present day American literature. Student written work will consist both of critical and creative writing. This course offered Fall semester.

AST 20200 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 HIS 23300. This course offered Spring semester.

AST 20300 Fundamentals of Interpretation (3) This course will introduce the 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. Students will be given the option to become a certified interpretive guide. This course offered every semester.

AST 21200 History of American Sports (3) This course will offer a survey of American sports history from the 19th century to the present. The class examines the origins of the major sports in the United States as well as a number of more minor ones. The class also examines the role of sports in American culture and society. Not open to students with credit in HIS 23200. This course offered Spring semester.

AST 23000 Immigrants to America (3) This course examines the various periods of immigration and the assimilation processes in the US, such as structural, external, internal and creative assimilation as well as issues of dominant cultures using immigration history/theory and social and cultural history. Questions investigated will include the following: When did some of the post-colonial immigrants arrive and why did they come? Did they come for religious, political, or social reasons? Where did many of these immigrant groups settle? What problems did they face as new non-English speaking people? How did they keep their groups cohesive and retain some of their cultural traditions while assimilating into our culture. This course offered intermittently.

AST 26500 Artists of the American West (3) This course will consist of a survey of painters associated with the concept of the frontier; images of the Noble Savage; Manifest Destiny; and expedition artists, from the late 1700's to present. This course offered intermittently.

AST 28610, 28620, 28630 Special Topics (1-3) These courses offer concentrated studies of specific topics within the field of American Studies. These are repeatable courses. Lab fee may be required. These courses offered intermittently.

AST 38101 Cowboy Poetry (1) Students will study the culture and voice of the most prevalent of American myths: the Cowboy. Films, recordings, and handouts will serve as springboards for discussing, writing, and performing cowboy poetry. This course offered intermittently.

AST 38102 Tall Tales of the American West (1) Students will study the tradition of tall tales of the American West. Films, recordings, handouts, and readings from the text will serve as springboards for discussing, writing, and performing storytelling. This course offered intermittently.

AST 38103 American Nature Writing (3) Students will study the strategies of nature writing. Students will cull a descriptive style and vocabulary from seasoned nature writers and visit sites to provoke or stimulate subject matter. The class members will discuss the importance of the genre and hone their own skills as they delve into the natural mysteries of the pristine areas such as the Boone Campus, Creve Coeur Lake, the Katie Trail, and other possible local areas. This course is especially attractive to those who wish to elevate their perceptions and become one with nature, away from the noise, hubbub, and restrictions of a traditional classroom. This course offered intermittently.

AST 38600, 38700, 38800 Special Topics (1-3) These courses offer concentrated studies of specific topics within the field of American Studies. These are repeatable courses. Lab fee may be required. These courses offered intermittently.

AST 40000 Senior Seminar (3) This seminar offers supervised work experience for the senior major and gives an opportunity to explore applications in the field of study. Under department supervision, students will develop a project and explore primary and secondary research. This course offered intermittently. Prerequisite: Instructor Permission.

ATHLETIC TRAINING

AT 22100 Medical Terminology (3) This course is designed to educate the student in medical terminology in preparation for a career in the health care 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. This course is offered in J-Term.

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. This course is offered in J-Term.

AT 29000 Introduction to Athletic Training Lab (1) This course is designed to develop taping skills of both upper and lower extremity, and introduce students to first aid and basic wound care, splinting and bandaging, crutch fitting and therapeutic modalities. Taken with AT 29500. Lab fee applies. This course is offered in every semester.

AT 29300 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. Lab fee required. This course is offered in every semester.

AT 29500 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. NOT OPEN TO STUDENTS WITH CREDIT IN PE 20400. This course is offered in every semester.

AT 29800 Special Topics in Athletic Training (1-3) This course is designed for interest in specific subjects related to athletic training. Lab fee may be required. This course is offered in every semester. Prerequisites: permission of dean.

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 39000. This course is offered every spring semester. Prerequisite: BIO 22800, PE 31000, PE 31500, PE 31600.

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 39100. This course is offered in the fall. Prerequisite: Acceptance into Athletic Training Education Program.

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 all be covered. Taken in conjunction with AT 39200. This course is offered in the spring. Prerequisite: AT 30200, AT 39100.

AT 30400 Therapeutic Modalities (3) This class includes a 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 39600. This course is offered in the spring. Prerequisite: AT 30200, AT 39100.

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. This course is offered in J-term. Pre-requisites: 2 sciences, sophomore standing.

AT 39000 Therapeutic Exercise & Rehabilitation of Athletic Injuries Lab (1) 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. Lab fee required. This course is offered every spring .

AT 39100 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. Lab fee required. This course is offered in the fall.

AT 39200 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. Lab fee required. This course is offered in the spring.

AT 39300 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 an Approved Clinical Instructor. Lab fee required. This course is offered in the fall. Prerequisites: Good academic and clinical standing within the Athletic Training Education Program. Completion of AT 29000, AT 29300, AT 29500 and PE 16000 with a C or better.

AT 39400 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 an Approved Clinical Instructor. Lab fee required. This course is offered in the spring. Prerequisites: Good academic and clinical standing within the Athletic Training Education Program. Completion of AT 30200, AT 39100, and AT 39300 with a C or better.

AT 39500 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 an Approved Clinical Instructor. Lab fee required. This course is offered in the fall. Prerequisites: Good academic standing within the Athletic Training Education Program. Completion of AT 30300, AT 39200, & AT 39400 with a C or better.

AT 39600 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. This course is offered in the spring. Prerequisites: AT 30200, AT 39100. Lab fee required.

AT 39700 Football Experience (1) This course will provide the athletic training student with the clinical education and background needed to administer an athletic training program and appropriate coverage for a collegiate football team, as well as various other athletic events. Students will be required to complete a season-long internship with the university football team in completion of this course. Classroom discussion topics will include calculating inventory, developing a product supply order, record keeping, pre-competition physical examinations, appropriate medical coverage of events, prophylactic bracing/wrapping/padding, injury evaluations, modalities, and rehabilitation programs. Lab fee required. This course is offered in the fall. Prerequisites: AT 30200, AT 30300, AT 39100, AT 39200, junior standing.

AT 39800 Special Topics in Athletic Training (1-3) This course is designed for interest in specific subjects related to athletic training. Lab fee may be required. This course is offered in every semester. Prerequisites: permission of dean.

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 in the areas therapeutic modalities. Students must demonstrate the ability to select the appropriate modality for medical conditions commonly seen in the field of athletic training and understand the healing phase and its influence on modality selection, as well as indications, contraindications, and precautions for all 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 an Approved Clinical Instructor. Lab fee required. This course is offered in the spring. Prerequisites: Good academic standing within the Athletic Training Education Program. Completion of AT 30400, AT 39600, AT 39500, BIO 22700 with a C or better.

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 competency and proficiency in the areas therapeutic exercise and various aspects of rehabilitation, such as program design, implementation, and progression. Students must also demonstrate proficiency in the use of therapeutic rehabilitation tools, such as measurement tools and exercise equipment. 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 an Approved Clinical Instructor. Lab fee required. This course is offered in the fall. Prerequisites: Good academic and clinical standing within the Athletic Training Education Program. Completion of PE 31500, AT 42800, AT 30100, and AT 39000 with a C or better.

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. This course is offered every spring. Prerequisite: senior standing.

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. This course is offered in the fall. Prerequisites: Junior Standing.

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. This course is taken in conjunction with AT 43600. This course is offered in the spring. Prerequisites: AT 30300, AT 39200, junior standing.

AT 43600 Pathology of Non-Orthopedic Injuries & Illnesses Lab (1) This course is designed to provide the students with the necessary skills to conduct a thorough general medical examination. Focus will be placed on collecting an adequate history, understanding the need for specific observations, performing necessary palpations, and properly utilizing diagnostic tools such as an otoscope, ophthalmoscope, stethoscope, blood glucose meters, peak flow meters, urinalysis strips, reflex hammers, and various other pieces of equipment. Students will research other types of diagnostic testing not typically performed within the athletic training environment such as various types of radiology, tissue samples, cultures, blood tests, and endoscopic tools and will understand conditions in which these tests may be indicated. Students will also be exposed to mock practicals to evaluate their skills on developing a differential diagnosis. This course is taken in conjunction with AT 43300. Lab fee required. This course is offered in the spring. Prerequisites: AT 30300, AT 39200, junior standing.

AT 43800 Senior Seminar (1) Students will discuss their experiences received during their internships provided in their Athletic Training Integrating Experiences. Students will also be responsible for input into the case studies the other students present. This course is taken in conjunction with AT 42900, AT 43900. This course is offered each spring. Prerequisite: senior standing.

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 non-traditional. This course

is taken in conjunction with AT 42900, AT 43800. Lab fee required. This course offered each spring. Prerequisite: senior standing and AT 42900.

AT 39800 Special Topics in Athletic Training (1-3) This course is designed for interest in specific subjects related to athletic training. Lab fee may be required. This course is offered in every semester. Prerequisites: permission of dean.

BIOLOGY

BIO 10000 Concepts in Biology (4) (GE-BioSci) 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. Lab fee required. Course offered every semester.

BIO 10600 Modern Topics in Biology (3) (GE-BioSci) This course is designed for non-majors. Topics of current interest in biological research are discussed by students and faculty. Various areas of biology will be selected on a rotational basis. Course offered intermittently.

BIO 10700 Human Biology (3) (GE-BioSci) This course studies human physiological and anatomical systems as they apply to health, disease, and social interactions. Course offered every semester.

BIO 11000 Principles in Biology (3) (GE-BioSci) This course examines mechanisms of evolution, cellular biology, genetics, and ecology with emphasis on scientific methods, historical developments, current applications, and ethical issues. Course offered intermittently.

BIO 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. Lab fee required. Course offered intermittently.

BIO 11200 Environmental Biology (4) (GE-BioSci) 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. Lab fee required. Course offered every semester.

BIO 11400 Principles of Environmental Biology (3) (GE-BioSci) 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. Course offered intermittently.

BIO 11500 Environmental Biology Laboratory (1) (GE-BioSci) This course must be taken concurrently with BIO 11400. The course includes hands-on activities in both field and classroom settings that complement the topics covered in BIO 11400. Lab fee required. Course offered intermittently.

BIO 12100 Nutrition (3) (GE-BioSci) 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. Course offered every semester.

BIO 22700 Human Anatomy and Physiology I (4) (GE-BioSci) This course is a study of structure and function in the human body, including the following systems: integumentary, skeletal, muscle, endocrine, nervous, and sensory. Lab fee required. Course offered every semester. Prerequisite: CHM 10000 or CHM 23000 and BIO 10000 or BIO 25100.

BIO 22800 Human Anatomy and Physiology II (4) This course is a study of structure and function in the human body, including the following systems: respiratory, cardiovascular, excretory, digestive, reproductive, and immune. Lab fee required. Course offered every semester. Prerequisite: CHM 10000 or CHM 23000, BIO 10000 or BIO 25100, and C or better in BIO 22700.

BIO 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. Lab fee required. Course offered every Fall semester. Prerequisites: BIO 10000 or BIO 25100 & CHM 10000 or CHM 23000.

BIO 25100 General Biology I (4) (GE-BioSci) This course is the first biology course for majors, introducing: biological molecules, cell structure/ function, Mendelian and molecular genetics. Lab activities reinforce lecture concepts, introduce techniques, and model modern scientific inquiry. Lab fee required. Course offered every semester. Prerequisite: C or better in CHM 23000.

BIO 25200 General Biology II (4) (GE-BioSci) This course is a continuation of BIO 25100 General Biology I with a study of basic biological principles related to the diversity of living organisms and their environment. Topics covered will include evolution, taxonomy, and morphology; life cycles; ecological relationships among the prokaryotes, protists, fungi, plants, and animals. Lab fee required. Course offered every semester. Prerequisite: C or better in BIO 25100.

BIO 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. Course offered intermittently. Prerequisite: BIO 25200.

BIO 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. Course offered every Spring semester. Prerequisite: C or better in CHM 23200 and BIO 40400, and permission of the instructor and the dean.

BIO 30600 Modern Topics in Biology (3) This class is offered with BIO 10600 and requires additional research focus on one topic to be submitted as a paper. Course offered intermittently. Prerequisite: BIO 25200.

BIO 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. Lab fee required. Course offered every Spring semester. Prerequisite: C or better in BIO 25100 and BIO 25200.

BIO 32400 Animal Biology (4) This course is a general introduction to the form, function and biodiversity of animals, emphasizing major animal phyla and classes, their evolution, systematics, structure and function, life history, behavior, ecology and conservation. Lab fee required. Course offered every Fall semester. Prerequisites: C or better in BIO 25100 and BIO 25200.

BIO 32900 Human Physiology (4) This course is an intensive study of the function and interactions of the systems of the human body and will also discuss common disease mechanisms in humans. Lab fee required. Course offered intermittently. Prerequisite: BIO 25200 and CHM 23200.

BIO 33000 Comparative Vertebrate Anatomy and Physiology (4) This course is a study of the structure and function of vertebrate organ systems from an evolutionary perspective. Lab fee required. Course offered intermittently. Prerequisite: BIO 32400.

BIO 33200 Plant Physiology (4) This course is an in-depth examination of plant growth and development, including plant cells, biochemistry, development, and environmental physiology. Lab fee required. Course offered intermittently. Prerequisite: BIO 32000 and CHM 23200.

BIO 34300 Invertebrate Zoology (4) A lecture and laboratory study of invertebrate animals, this course emphasizes natural history, ecology, behavior, anatomy, physiology, and phylogenetic relationships of the taxa. Lab fee required. Course offered intermittently. Prerequisite: BIO 32400.

BIO 34500 Identification and Taxonomy of the Local Flora (3) This survey course examines the local flora with an emphasis on flowering plant taxonomy and includes field trips, lecture, and laboratory experience. Lab fee required. Course offered intermittently. Prerequisite: BIO 32000.

BIO 35100 Field Studies in Taxonomy (3-5) Students in this course will study taxon of their choice. Work will include collection, identification, and preservation techniques. Lab fee required. Course offered intermittently. Prerequisite: BIO 32000 & BIO 32400.

BIO 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 health care. Laboratory activities will illustrate the procedures used in the isolation and identification of microbes, as well as the principles of asepsis and disinfection. Lab fee required. Course offered intermittently. Prerequisite: BIO 25200 and CHM 23200.

BIO 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. Lab fee required. Course offered intermittently.

Prerequisite: BIO 25200.

BIO 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. Lab fee required. Course offered every Fall semester odd numbered years. Prerequisite: BIO 25200.

BIO 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. Lab fee required. Course offered intermittently. Prerequisite: BIO 25200 and MTH 24100.

BIO 37000 Wetlands Ecology (4) This course is the study of wetland ecology, including functional and scale attribute, classification, restoration, conservation, and management. Students will learn identification of wetland plants and delineation techniques. Lab fee required. Course offered intermittently. Prerequisite: BIO 32000.

BIO 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. Course offered alternate Fall semesters. Cross-listed with CHM 38500. Prerequisites: C or better in BIO 25100 and CHM 36100.

BIO 40000 Field Research (1-6) May be repeated. Course offered intermittently. Prerequisite: BIO 36600 and permission of the instructor and the dean.

BIO 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. Lab fee required. Course offered every Spring semester. Prerequisites: C or better in BIO 25100, BIO 25200, and CHM 23200.

BIO 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. Lab fee required. Course offered every Fall semester. Prerequisite: MTH 24100 & either BIO 40400 or BIO 32000.

BIO 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. Course offered intermittently. Prerequisite: BIO 40400.

BIO 41700 Molecular Biology (4) This course covers the fundamental roles of nucleic acids and proteins, the molecular basis of the genetic code, and gene expression with special emphasis on current recombinant DNA and RNA technology. Laboratory experiments will focus on using plasmid vector systems to clone bacterial genes. Lab fee required. Course offered intermittently. Prerequisites: C or better in BIO 40800 & CHM 36200.

BIO 42200 Biochemistry: Metabolism (4) This course will focus on understanding metabolic pathways and provide an in-depth examination of cellular energetic, enzyme mechanism and regulation, and metabolic disease. Methods for elucidating metabolic pathways and an introduction to literature in this field will also be covered. The laboratory portion of this course will combine molecular biology techniques and computer techniques for studying these topics. Cross-listed with CHM 42200. Lab fee required. Course offered every Spring semester of odd numbered years. Prerequisites: C or better in BIO 40400 and CHM 36200.

BIO 42600 Developmental Biology (4) This course examines general principles of animal development, including embryology, molecular phenomena of development, and the relationship between development and evolution. Lab fee required. Course offered intermittently. Prerequisites: BIO 40400 & BIO 32400.

BIO 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. Course offered every Spring semester. Prerequisite: BIO 40800 and senior standing

BIO 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. Lab fee required. Course offered intermittently. Prerequisite: MTH 24100 & BIO 32000 or 32400.

BIO 48000 Independent Research (1-6) May be repeated. Course offered every semester. Prerequisite: Permission of the instructor and the dean.

BIO 48500 Biology Seminar (1) Required for all biology majors. Course offered every Fall semester. Prerequisite: 30 credit hours of Biology course work and senior status.

BIO 48600 Senior Synthesis (2) This is the capstone course for Biology majors. Students will assimilate information from prior coursework through a focus on contemporary research literature in biology. The course also includes an examination of career options for biology graduates. Course offered every Spring semester. Prerequisite: BIO 48500.

CHEMISTRY

CHM 10000 Concepts in Chemistry (4) (GE-PhysSci) 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. Lab fee required. Course offered every semester.

CHM 10100 The World of Chemistry (3) (GE-PhysSci) 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. Course offered intermittently.

CHM 10500 Chemistry in Society (3) (GE-PhysSci) 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. Course offered intermittently.

CHM 11100 Environmental Science (3) (GE-PhysSci) 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. Course offered intermittently.

CHM 23000 General Chemistry 1 (3) (GE-PhysSci) 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. Course offered every semester. Prerequisite: Math placement test in MTH 15100 or higher.

CHM 23100 General Chemistry 2 (3) (GE-PhysSci) 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. Course offered every semester. Prerequisite: Grade of C or better in both CHM 23000 and MTH 15100 or higher.

CHM 23200 General Chemistry 3 (3) (GE-PhysSci) 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. Course offered every semester. Prerequisite: Grade of C or better in both CHM 23100 and MTH 15100 or higher.

CHM 24100 General Chemistry 2 Laboratory (1) (GE-PhysSci) 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. Lab fee required. Course offered every semester. Co-requisite: Must be taken concurrently with CHM 23100.

CHM 24200 General Chemistry 3 Laboratory (1) (GE-PhysSci) 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. Lab fee required. Course offered every semester. Co-requisite: Must be taken concurrently with CHM 23200.

CHM 30000 Introduction to Chemical Literature (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. Course offered intermittently. CHM 35500, CHM 36100, and C or better in ENG 17000.

CHM 30100 Industrial Chemistry (3) This course is an examination of the principles of chemistry as applied to the manufacture of large quantities of chemicals. Topics will include material and energy balances, flow charts, environmental concerns, and the importance of patents in industry. Course offered intermittently. Prerequisite: C or better in CHM 23200.

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. Course offered in Spring semester only. Prerequisite: Grade C or better in CHM 23200 or CHM 36100.

CHM 35500 Analytical Chemistry (4) This course is the study of different quantitative and quantitative analytical techniques such as gravimetric, volumetric, and selective precipitation methods of analysis. Laboratory work is included. Lab fee required. Course offered in Fall semester only. Prerequisite: Grade C or better in CHM 23200 and MTH 24100.

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. Lab fee required. Course offered in Fall semester only. Prerequisite: C or better in CHM 23100.

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. Lab fee required. Course offered in Spring semester only. Prerequisite: Grade of C or better in CHM 36100

CHM 38200 Chemical Equilibria (3) This course is the study of chemical systems in equilibrium and the use of equilibrium constants of several types in calculating the extent to which reactions occur. Course offered intermittently. Prerequisites: C or better in CHM 23200 and permission of the instructor and the dean.

CHM 38300 Spectroscopy and Molecular Structure (3) This course offers an examination of physical and chemical principles involved in the various types of spectroscopy and the use of spectroscopy to determine the structure of molecules. Emphasis is given to nuclear magnetic resonance and infrared absorption spectroscopy, but ultraviolet absorption and mass spectroscopy also are considered. No lab. Course offered intermittently. Prerequisite: CHM 36200.

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. Course offered alternate Fall semesters. Cross-listed with BIO 38500. Prerequisites: C or better in BIO 25100 and CHM 36100.

CHM 40200 Inorganic Chemistry of Transition Elements (3) The chemistry of transition metals, emphasizing the unusual bonding

properties, stereochemistry, and relationship to reactivity will be investigated. The study includes organo-metallics, catalysis, and biologically important coordination compounds. Course offered intermittently. Prerequisite: CHM 36200 and junior standing.

CHM 40300 Coordination Chemistry (2) This is a laboratory course covering modern coordination chemistry. The central theme is inorganic coordination chemistry, with emphasis on a variety of common analytical instrumental techniques that are fundamental in the characterization of inorganic compounds. Lab fee required. Course offered intermittently. To be taken concurrently with CHM 40100 or CHM 40200.

CHM42100 Biochemistry: Structure and Mechanism (4) This course examines macromolecular structure and function, applying chemical principles to understanding protein function, enzyme mechanism, and chemical understanding of the processes of transcription and translation. The laboratory portion of this course will introduce biochemistry procedures used to purify proteins and measure enzyme activity. Lab fee required. Course offered in Fall Semester only. Prerequisites: C or better in BIO 25100 and CHM 36200.

CHM 42200/BIO 42200 Biochemistry: Metabolism (4) This course focuses on understanding metabolic pathways and provides an in-depth examination of cellular energetics, regulation, and metabolic disease. Methods for elucidating metabolic pathways and an introduction to literature in this field will also be covered. The laboratory portion of this course will combine molecular biology techniques and computer techniques for studying these topics. Lab fee required. Course offered in Spring of odd numbered years. Prerequisites: C or better in CHM 36200 and BIO 40400.

CHM 44000 Inorganic Chemistry (4) The chemistry of non transition elements including non-metals and noble gases, 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. Lab fee required Course offered in Fall semester of even numbered years. Prerequisite: CHM 36200 and 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. Laboratory work included. Course offered intermittently. Prerequisite: C or better in CHM 35500 and CHM 36100.

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. Course offered in Spring semester. Prerequisites: CHM 36100, MTH 27200, and PHY 30100 (or PHY 25100).

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. Cross-listed with PHY 30300 Course offered in Fall semester. Prerequisites: MTH 27200 and C or better in either CHM 47100 or PHY 30100.

CHM 47300 Physical Chemistry Lab (2) This course is a laboratory course focusing on data acquisition and statistical analysis of thermodynamic and kinetic data. Lab fee required. Course offered intermittently. Prerequisite: CHM 47100.

CHM 47400 Chemical Dynamics (3) This course is the study of both the empirical and the theoretical treatment of chemical reaction rates and the mechanisms that can be devised from them, plus specific treatment of gaseous and atomic reactions, reactions in solution, and very rapid reactions. Course offered intermittently. Prerequisites: CHM 36100, 47100, and MTH 27200.

CHM 48000 Chemistry Internship (1-6) This course offers a practical laboratory experience in a commercial, university, or forensics laboratory. The course may be repeated for credit, not to exceed 9 credit hours total. Course offered intermittently. Prerequisites: Junior chemistry standing and permission of department chair and the dean.

CHM 48500 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. Course offered in Spring semester only. Prerequisite: Junior status and permission of the instructor and the dean.

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. Prerequisites: CHM 30000 and permission of instructor and dean. Lab fee.

CHINESE

See page 110 of this catalog for the course descriptions of all FLC courses.

CHRISTIAN MINISTRY STUDIES

See page 84 of this catalog for the course descriptions of all CMS courses.

CRIMINAL JUSTICE

CJ 10100 Criminology (3) (GE-SocSci) 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 an objective point of view. This course is offered every semester.

CJ 14000 Special Topics in Criminal Justice (1-3) This course deals with a specialized topic in criminal justice at an introductory level. This course is offered intermittently.

CJ 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. This course is offered every semester.

CJ 21000 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. This course is offered every semester.

CJ 22500 Comparative Criminal Justice Systems (3) (GE-CrsClt)

This course provides an opportunity for students to learn about key criminal justice systems around the world. It is an excellent cross-cultural opportunity for students to visit two to three countries. One goal of comparative studies is to extend a student's knowledge of people and cultures beyond his or her own group. Students are able to compare the American legal system with the countries visited. A comparative view of legal systems around the world allows us to understand better the dimensions of our own system. Lab fee required. This course is offered in J-term. Prerequisites: Permission of dean.

CJ 24000 Special Topics in Criminal Justice (1-3) This course deals with a specialized topic in 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, cyber crimes, 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. Lab fee may be required. This course is offered intermittently.

CJ 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. Prerequisites: CJ 10100 and CJ 21000. This course is offered every semester.

CJ 30100 Criminal Procedure (3) This course offers the study of the law as it relates to arrest, search, and seizure with emphasis on present controlling legal decisions and historical development, philosophy, and problems underlying these decisions. This course is offered every semester. Prerequisites: CJ 10100 and CJ 21000.

CJ 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. This course is offered every semester. Prerequisites: CJ 10100 and CJ 21000.

CJ 31000 Criminal Law (3) This course is the analysis of the purposes and sources of the criminal law and will include an examination of the preliminary crimes of solicitation, conspiracy, and attempt. The specific elements of crimes against the person and crimes against property are addressed. A consideration of defenses to criminal liability is also undertaken. This course is offered every semester. Prerequisites: CJ 10100 and CJ 21000.

CJ 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. This course is offered every semester. Prerequisite: CJ 10100 and CJ 21000.

CJ 31500 Victimology (3) This course is an examination of the scientific study of victimization, including the relationships between victims and offenders, the interactions between victims and the criminal justice system and the connections between victims and other societal groups and institutions such as the media, businesses, and social movements. This course is offered every semester. Pre-requisites: CJ 10100 and CJ 21000 or permission of dean.

CJ 32000 Race, Crime, and Punishment (3) A comparative study of racial differences in offending patterns is the crux of this course which will focus on the overrepresentation 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 course. This course is offered every semester. Prerequisites: CJ 10100 and CJ 21000 or permission of dean.

CJ 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. This course is offered intermittently. Prerequisite: CJ 10100 and CJ 21000.

CJ 33100 Criminal Investigation (3) Each investigation is unique. Investigators need not have superhuman reasoning ability. They must, however, proceed in an orderly, systematic way, gathering facts to analyze and evaluate. This course will allow students, via a multidisciplinary format, to attempt to solve a violent crime through the application of forensic tools and methodologies. Applications include: CAD crime-scene sketches, computer-generated composites, blood-splatter analysis, Forensic Entomology, Forensic Anthropology, Forensic Odontology, and crime scene contamination. This course is offered every semester. Prerequisites: CJ 10100 and CJ 21000.

CJ 34000 Special Topics in Criminal Justice (3) This course will deal with a specialized topic in 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 systems, the history of criminal justice, cyber crimes, ethics in criminal justice, crime scene investigations, gangs, organized crime, quantitative and qualitative research methods, 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. This course may be repeated for additional credits if a different topic is offered. Lab fee may be required. This course is offered intermittently. Prerequisite: 12 credit hours in Criminal Justice Core courses or permission of dean.

CJ 44000 Senior Seminar in Criminal Justice (3) This is a capstone course that will tie together the various components of the criminal justice system and allow students to critically examine current practices as they exist in American society. Criminal justice practitioners as guest lecturers will enhance student knowledge by providing relevant trends and issues from

the field. Students will be able to assimilate knowledge regarding crime, police, corrections, courts, and society. This course is offered every semester. Prerequisite: Senior standing (preferably last semester of course work).

CJ 45000 Internship (4-6) This field experience in policing, corrections, juvenile justice, the court system, or within the private security/ investigation sector may be repeated for additional credit. Students must complete 50 hours in the field for each credit of internship and attend a weekly seminar. This course is offered every semester. Prerequisite: Junior standing, 18 credit hours in Criminal Justice courses, 2.5 GPA, and permission of dean.

CJ 46000 St. Louis County and Municipal Police Academy (15) Lindenwood University (LU) is in a partnership with the St. Louis County and Municipal Police Academy (SLCMPA). LU 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 869 hour- 23 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: permission of LU instructor and acceptance to SLCMPA. This course is offered in spring semester.

CHRISTIAN MINISTRY STUDIES

CMS 10000 Student Group, "The Vine" (1) As the official student organization of CMS, The Vine exists to impact campus culture and foster community through various and exciting campus wide activities. Meets weekly. Students are expected to attend meetings and work on group projects. This course is offered every semester.

CMS 10100 Disciplines of the Christian Life (3) This course examines the basic habits of disciplines necessary for cultivating spiritual stability and strength in the life of a believer in Jesus Christ. Issues such as personal Bible study, prayer and private devotions, financial stewardship, fasting, confronting temptations and trials, and sharing one's faith will be addressed, with attention being given to great writings of Christian authors in these various areas. This course is offered intermittently.

CMS 11000 Introduction to Christian Missions (3) This course is the study of the biblical foundations, history, and philosophy of missions. Special attention will be given to insights from the modern mission era and the challenges of contextualization This course is offered intermittently.

CMS 11500 Personal Evangelism (3) This course is the study of the personal presentation of the Gospel message, including a review of the biblical basis of evangelism. This course is offered intermittently.

CMS 12000 Introduction to Christian Theology (3) This course is an overview of the foundational teachings of Christianity, approached from a faith perspective. Attention will be given to theology proper (doctrine of God), Christology, (including His

person and work), pneumatology (doctrine of the Holy Spirit), anthropology (doctrine of humanity), ecclesiology (doctrine of the church), soteriology (doctrine of salvation), doctrine of revelation, and eschatology (doctrine of the end times). Some attention will be given to the historical development of doctrine, significant theological controversies, and theological distinctive between various denominations and faith perspectives within evangelical Christianity. This course is offered every semester.

CMS 20100 Principles of Youth Ministry (3) This course is the will define and examine the age of adolescence, examine a brief history of the origin and growth of student ministries, and study the orientation to principles and strategies necessary for successful adolescent ministry programming. This course is offered intermittently.

CMS 22100 Doctrine of Salvation and Doctrine of Humanity (3) This course offers a survey of the biblical teachings concerning salvation, as well as the historical development of various schools of thought. Attention will be given to the issues of eternal security, the extent of the atonement, and the work of the Holy Spirit in the conversion process. Additionally, a survey of the biblical teachings concerning human beings in relation to God, creation, and other humans. Attention will be given to the understandings of anthropology in the teachings of several major theologians of the church. Contemporary views of human nature will be discussed and evaluated. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 25100 Professional Orientation (3) Students will focus on their call to ministry, examining personal growth and commitment. Goal setting, time and financial management, and strategic planning will be emphasized, with special attention given to the challenge of learning to adapt to different leadership styles, church decision making, etc. Students will learn to write a professional resume. This course is offered intermittently.

CMS 28000 Special Topics (3) This course is a concentrated study of topics relevant to the preparation for ministry. Lab fee may be required. This course is offered intermittently.

CMS 30100 Hermeneutics (3) This course is the study of the principles of biblical interpretation. Attention will be given to the historical, geographical, linguistic, and cultural settings of the Bible. Prevalent hermeneutical errors will be identified and addressed. Significant attention will also be given to the doctrines of revelation, biblical inspiration, and biblical authority. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 30200 Models of Youth Ministry (3) This course is an overview of different ministry models with a pragmatic approach to successful program design and implementation. Fundamental elements of administration and management will be explored. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 30500 Principles of Youth Camping (3) This course is the study of the biblical/theological basis for ministry beyond the church walls for new generations in the “owned” stage of faith development. The student will gain skills and knowledge necessary to plan, implement, and assess off-site camping ministry events, and to biblically interpret the message of the cosmos. Topics will include risk management, transportation, legal and liability concerns, insurance, first aid and medical concerns, preparations, equipment, food, locations, wilderness ethics, sexuality issues, relevant recreational activities, and

spiritual guidance. Special emphasis is placed on a biblical doctrine of nature, the “witness of creation,” and the wilderness experience as curriculum. The highlight of the course will be a laboratory experience. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 30600 Pastoral Ministry (3) An introduction study of the principles and practices of pastoral leadership in the local church, this course will examine of the nature and tasks of Christian leadership, with an emphasis on the multiple roles of pastoral ministry. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 30700 Church Administration (3) This course is a survey of effective methods of administration within the local church context. The wide range of differences in church polity and decision making will be examined. Contemporary corporate management models applied to church life will be considered. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 31000 Oral Communication in Ministry (3) This course is a study of sermon/lesson construction and delivery. Attention will be given to principles of successful communication, platform techniques, use of analogy and illustration, and general speaking qualifications within the context of cultural appropriateness. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 31100 Church History: Early Church Fathers to the Reformation (3) This course consists of historical and critical studies of the history of the Christian church, from the second century A.D. to the Reformation. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 31200 Church History: Renaissance and Reformation (3) This course consists of historical and critical studies of the historical and critical study of the history of the Christian church during the era of the Renaissance and the Reformation. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 31500 Doctrine of Creation (3) This course seeks to uncover the biblical teachings and historic theologies regarding the origins, worth, meaning, and purposes of the material order. Particular attention is given to the biblical relationship of nature to God and humanity. The development of the human understanding and Judeo/Christian worldview of the natural world is traced through Jewish and Church history as unfolded in the areas of liturgy, hymnody, and worship. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 32100 Doctrine of the Triune God (3) The doctrine of God the Father, God the Holy Spirit, and God the Son, each considered from the perspectives of biblical, historical, and systematic theology, with special attention to current issues will be examined. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 33000 New Testament Book Study (3) A study of a selected book in the New Testament based on the English text will be conducted. (May be taken more than once for credit if a different book is studied). This course is offered intermittently. Prerequisite: CMS 12000.

CMS 34000 Old Testament Book Study (3) A study of a selected book in the Old Testament based on the English text will be conducted. (May be taken more than once for credit if a different book is studied.) This course is offered intermittently. Prerequisite: CMS 12000.

CMS 34800 Youth and Family Ministry (3) A comprehensive examination of the adolescent in context with the family dynamic, this course will not only examine the traditional home but will also investigate the non-traditional home. Special attention will be given to providing strategies and resources to parents. Additionally, special attention will be given to enable the student to develop skills needed in identifying and connecting with “at risk” children. Special attention will be given to behavior and learning disorders, conflict resolution, temperament, and group dynamics. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 35000 Evangelism and Discipleship in Youth Ministry (3) This course explores and evaluates techniques in evangelism with special attention given to “campus ministry,” working with school officials, and legal issues. Additionally, principles and methods of developing spiritual maturity will be examined, with special emphases on curriculum development and interactive, learner based teaching. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 35100 Leadership Development (3) This course offers an overview of basic leadership principles as applied to Christian ministry, formulating an organized system of recruitment, accountability, training, encouragement, motivation, and vision casting. This course is offered intermittently. Prerequisite: CMS 12000.

CMS 38000 Special Topics (3) This course is a concentrated study of topics relevant to the preparation for ministry. For example, courses in traditional and contemporary worship may be offered. This course may be repeated. Lab fee may be required. Prerequisites will be noted in the course listing. This course is offered every semester. Prerequisite: Junior status.

CMS 46000 Pastoral Ministry Internship (3) This internship will allow the student to partner with a local pastor, both observing and doing ministry in the context of a local congregation, thus facilitating a mentoring relationship as well as enhancing the student’s skills and spiritual giftedness. It will be a supervised field experience at an approved site. This course is offered every semester. Pre-requisite: Permission of dean.

CMS 46100 Youth Ministry Internship (3) This internship will focus on both the programming and leadership aspects of Youth Ministry and is a supervised field experience at an approved site. This course is offered every semester. Prerequisite: Permission of dean.

CMS 46200 Worship Arts Internship (3) This internship will focus on the design and implementation of worship ministry programming and leadership in a supervised field experience at an approved area church. This course is offered every semester. Prerequisite: Permission of dean.

CMS 47000 Missions Internship/Laboratory (3) In addition to a review of Christian missions, this course places students in actual missions settings for “hands on” laboratory experience. The exact location will be determined according to individual student vocational expectations. This course is offered every semester. Prerequisite: Permission of dean.

ALL-COLLEGE

COL 05100 Fundamentals of Reading (3) This course reintroduces

the student to basic reading concepts, as well as provides a refresher course of study. By assignment.

COL 05200 Fundamentals of Writing (3) This course reintroduces the student to basic writing concepts, as well as provides a refresher course of study in other areas of English, including sentence structure, spelling, and punctuation. Placement through examination.

COL 05300 Fundamentals of Mathematics (3) This course reintroduces the student to basic math concepts, as well as provides a refresher course of study. By assignment.

NOTE: Students assigned to the courses listed above will be required to complete 128 semester hours of credit toward their degree completion in addition to the credits earned from these fundamental courses.

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. Lab fee required. Course offered intermittently.

COL 15000 Keyboarding Basics (1) This course offers keyboarding mastery, reinforcement of the English language, and the ability to think and key simultaneously at an average rate of 25 words a minute with two or fewer errors per minute. The course provides instruction in developing the basic keyboarding skills needed to key alphabetic, numeric, and special symbol characters, as well as teaching the skills needed to use a 10-key numeric keypad is offered.

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/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 his/her 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).

COMMUNICATIONS

COM 10500 Group Dynamics and Effective Speaking (3) (GE-Comm) 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. Offered Intermittently.

COM 11000 Fundamentals of Oral Communication (3) (GE-Comm) 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 every semester.

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. Offered intermittently.

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. Offered intermittently. Lab fee required.

COM 13000 Survey of the Professional Media (3) This course offers an examination of the evolution of media from its traditional roots to the marketplace of today. Students will study careers in the field and be exposed to issues facing those professionals. An introduction to government regulation, ethical issues, and the relationship between media and society will introduce students to the challenges and responsibilities facing the future communications professional. Offered every semester.

COM 13500 Introduction to Journalism (3) This course offers instruction in the history, freedom, technologies, ethics, and functions of the news media and includes newsroom practices and cultures, news planning, writing, gathering, selection and presentation, and ideas about objectivity and news sources. Lab fee required. Offered intermittently.

COM 14000 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 intermittently.

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. Lab fee required. Offered every semester. Prerequisite: COM 13000 or COM 13500 or either concurrently.

COM 15400 Video Production (3) This course offers theory and practice of video production techniques with an examination of basic program types, equipment operation, staff organization, script writing, and studio production problems. Laboratory work in fundamental video productions. Lab fee required. Offered every semester. Prerequisite: COM 12300 or COM 13000 or COM 13500 or COM 14000 or any concurrently.

COM 20200 Design with Photoshop (3) This is a hands-on course that covers the fundamentals of digital image manipulation and graphic creation using Adobe's Photoshop. Photo retouching, image capture, and image creation will be emphasized as well as current techniques and trends. This class will culminate with the rendering of a professional portfolio component. Lab fee required. Offered every semester.

COM 23300 Fundamentals of the Internet (3) This is a lab-based course designed to familiarize communications students with advanced methods of information retrieval and management via the Internet or corporate intranets; combined with hands-on design, development, and publication of web based content for both individual and corporate use. Lab fee required. Offered every semester.

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. Offered intermittently.

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. Offered every semester. Prerequisites: ENG 15000 or EPP 15000 and either COM 13000 or COM 13500.

COM 25600 Production for Television (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 required. Offered every semester. Prerequisite: COM 15400 and either COM 12300 or COM 13000 or COM 13500 or COM 14000.

COM 28600 Special Topics (1-3) This course is designed to offer a variety of communications topics. May be repeated as topics vary. Lab fee may be required. Offered intermittently.

COM 28602 Special Topics (1-3) (GE-CrsClt) This course is designed to offer a variety of communications topics. May be repeated as topics vary. Lab fee may be required. Offered intermittently.

COM 29000 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. Offered intermittently. Prerequisite: COM 24200.

COM 29100 Writing for Publication (3) This course offers an intensive workshop in writing and publication. Major project is the creation of student publications. Students will research, write, design, and edit this publication. Offered intermittently. Prerequisite: ENG 15000 or EPP 15000

COM 29200 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. Offered intermittently. Prerequisites: COM 24200.

COM 30000 Writing for Converged Media (3) Reporting, writing and editing for the Internet will be practiced in this course including instruction in the latest formats for converged media, with practical application through the production of electronic publication of the student newspaper. Special focus on blogs, podcasts, reader forums and content management. Offered Fall semester only. Prerequisites: COM 24200 and either COM 13000 or COM 13500.

COM 30101 Applied Mass Communication-Radio (3) With staff assignments in campus-related media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in the media. Repeatable for credit.. Lab fee required. Offered every semester. Prerequisites: COM 13000 and COM 15100.

COM 30102 Applied Mass Communication-Video (3) With staff assignments in campus-related media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in the media. Repeatable. Lab fee required. Offered every semester. Prerequisites: COM 25600.

COM 30103 Applied Mass Communication-Public Relations (3) With staff assignments in campus-related media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in the media. Repeatable. Offered every semester. Prerequisites: COM 24200.

COM 30104 Applied Mass Communication-Sports Information (3) With staff assignments in campus-related media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in the media. Repeatable. Offered intermittently. Prerequisites: COM 24200.

COM 30105 Applied Interactive Media and Web Design (3) With staff assignments in campus-related web design with a term involvement of 45-70 work hours, this course is designed to give students practical experience in the media. Repeatable. Offered intermittently. Prerequisites: COM 23300. Lab fee required.

COM 30111 Applied TV News (3) This experiential course features staff assignments in television news origination, preparation and production with a term involvement of 45-70 work hours. This course is designed to give students practical journalistic experience in the television news. Repeatable. Lab fee required. Offered every semester. Prerequisites: COM 15400.

COM 30200 Seminar in Professional Practice and Ethics (3) An investigation of the complex ethical dilemmas perceived to stem from the clash between individual and organizational values in our increasingly media-dependent persona, social, and professional environments. Attention will be paid to the bases of ethical decision making in modern professional and business organizations engaged in primarily mass-communication related endeavors. Students will be expected to engage in written and oral discourse, based upon secondary research focused upon competing media-driven economic, political, societal claims. Issues examined will include, but not be limited to, media violence, journalistic responsibility, government media regulation, threats to personal privacy, and media industry consolidation. Curricula will include, but not be limited to, various codes of professional ethical conduct published by professional organizations whose membership pursue careers in Advertising, Journalism, Public Relations, etc. Offered every semester. Prerequisites: ENG 17000 and either COM 13000 or COM 13500 or COM 12300.

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. Offered every semester. Prerequisites: ENG 17000

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. Lab fee required. Offered every semester. Prerequisites: COM 24200 and either COM 15100 or COM 15400.

COM 30500 Desktop Publishing (3) This course is a hands-on exploration of computer assisted techniques of editing, design, graphic production and layout of publications. Study will include magazines, newspapers, brochures, yearbooks, and other business publications. Lab fee required. Offered every semester. Prerequisite: COM 20200.

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. Offered intermittently. Prerequisites: COM 24200.

COM 30700 Writing for the Electronic Media (3) This laboratory course examines the techniques and forms of script writing for all types of electronic media. Offered every semester. Prerequisites: ENG 15000 or EPP 15000 and either COM 15100 or COM 15400.

COM 30800 Applied Journalism, Newspaper (1-3) With staff assignments in campus-related print media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in newspaper journalism. This course is repeatable for different course topics. Coursework includes various assignments involving Newspaper operations. Offered intermittently. Prerequisites: COM 13500 and COM 24200.

COM 30900 Applied Journalism, Internet (1-3) With staff assignments in campus-related Internet media with a term involvement of 45-70 work hours, this course is designed to give students practical experience in internet journalism. This course is repeatable for different course topics. Coursework includes various assignments involving Internet operations. Offered intermittently. Prerequisites: COM 30000.

COM 31500 Argumentation and Debate (3) This course is the study of the argumentation process and its usage in daily communications, advertising, politics, and speech writing. Debate includes selection and development of material for presentation in the formal debate. Formal debate techniques are examined as well as procedures for organizing and coaching debate teams. Offered intermittently. Prerequisite: ENG 15000 or EPP 15000 with "C" or better.

COM 32500 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. Offered Spring semester only. Prerequisites: COM 24200.

COM 32700 Media Literacy (3) 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. Offered every semester. Prerequisite: ENG 17000.

COM 32800 Fundamentals of Public Relations (3) A

focused investigation of how rapidly evolving advances in communication technology are impacting the profession of public relations 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. Offered intermittently. Prerequisite: COM 24200.

COM 33400 Web Design (3) This course is lab-based and focuses on the development of web content guided by sound theoretical practices and adherence to current web standards. Due to the highly dynamic nature of this subject, specifics of the course evolve between semesters; however coverage of XHTML, CSS, and JavaScript should be expected. Lab fee required. Offered every semester. Prerequisite: COM 23300.

COM 33500 Buying and Selling Media (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. Offered every semester. Prerequisites: COM 32700.

COM 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. Offered intermittently. Prerequisite: COM 20200.

COM 33700 Design with Illustrator (3) Students will receive specialized hands-on training in the creation of computer-generated vector graphics through the use of Adobe's Illustrator. Attention will be placed on fundamental techniques, corporate branding, logo design, interactive illustrations and illustration for use in both print and screen. Additional focus will be given to the integration of both raster and vector graphics across multiple applications. This class will culminate with the rendering of a professional portfolio component.

COM 34000 Television Sports Production I (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. Offered every semester. Prerequisites: COM 15400 and either COM 13000 or COM 14000.

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. Course work includes both in-studio and field production. Offered intermittently. Prerequisite: COM 15400 and COM 24200.

COM 34600 Television Fine Arts Production I (3) This course is an experiential study in the basic skills of television fine arts production. Students are introduced to the unique issues involved in recording and televising artistic presentations from varied venues. Course work will include producing television broadcasts of Lindenwood theatre and musical presentations. Offered intermittently. Prerequisite: COM 15400 and either COM 13000 or COM 14000.

COM 35100 Audio for Fine Arts (3) This course centers on sound design for non-broadcast majors. Students will develop skills in computer based audio editing using professional-level software and will learn techniques for using sound systems to maximize acoustics and enhance performance venues. Topics will include music editing for accompaniment and dance, sound editing for theatre, and the basic operation and uses of sound systems. Lab fee required. Offered intermittently.

COM 35200 Advanced Audio Production (3) Students carry out advanced assignments in audio production. Preparation, production, and evaluation of various audio projects will require students to refine skills in analog and digital video production. Lab fee required. Offered intermittently. Prerequisites: COM 12300 or COM 15100.

COM 35400 Advanced 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 required. Offered every semester. Prerequisites: COM 15400 and COM 30700.

COM 35700 Intermediate Non-linear Video Editing (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. Offered every semester. Prerequisites: COM 15400 and either COM 12300 or COM 13000 or COM 14000.

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. Offered every semester. Prerequisites: ENG 17000, COM 13000, COM 15100, COM 15400, and junior standing.

COM 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. Offered intermittently. Prerequisites: COM 23300 and COM 24200 and COM 30700.

COM 37000 History of Film (3) (GE-CrsClt) 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. Offered every semester. Prerequisites: ENG 17000.

COM 371XX Practicum in Production (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. Offered intermittently. Prerequisites: COM 15400.

COM 372XX Practicum in Post-Production (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. Offered intermittently. Prerequisites: COM 15400.

COM 373XX Practicum in Producing (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. Offered intermittently. Prerequisites: COM 15400.

COM 374XX Practicum in Scriptwriting (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. Offered intermittently. Prerequisites: COM 15400.

COM 375XX Topics in Media Studies (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. Offered intermittently. Prerequisites: ENG 17000.

COM 37600 Asian Cinema (3) (GE-CrsClt) 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 Kurosawa, Ozu, Tsui, Wong, and Woo. Prerequisite: ENG 17000.

COM 38600 Special Topics in Communications (1-3) This course is designed to offer a variety of topics in Communication and Multimedia. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisites: Will vary with topic.

COM 38601 Special Topics in Communications (3) (GE-CrsClt) This course is designed to offer a variety of topics in Communication and Multimedia. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisites: Will vary with topic.

COM 38602 (GE-CrsClt) Special Topics in Communications (1-3) This course is designed to offer a variety of topics in Communication and Multimedia. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisite: ENG 17000.

COM 38603 Special Topics in Communications (3) (GE-CrsClt) This course is designed to offer a variety of topics in Communication and Multimedia. May be repeated as topics vary. Lab fee may be required. Offered intermittently. Prerequisites: ENG 17000.

COM 39000 TV 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. Offered intermittently. Prerequisites: COM 15400 and COM 24200,.

COM 39100 Advanced Writing for Publication (3) This course is an intensive workshop in writing and publication.. The course may not be repeated. Offered intermittently. Prerequisite: COM 29100 or COM 29200.

COM 40100 Mass Communication Law (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. Offered every semester. Prerequisites: Completion of 12 credits in Communication.

COM 40500 Advanced Page Layout (3) This advanced class focuses on the design and production aspects of page layout software. This lab-based class will include the study of typography, page design, and page architecture. The use of CMYK and paper selection will be reviewed. At the conclusion of this class, the student will be able to conceptualize, design, produce, and develop specifications for a wide variety of pre-press demands. Additional topics may include: preparing projects for Web-based and paper-based distribution, building self-contained high and low resolution files. Lab fee required. Offered intermittently. Prerequisites: COM 30500.

COM 40600 Investigative Reporting (3) Mining databases and primary source material is central to investigative journalism, often considered a vital component of a free and democratic society. Students study a variety of investigative techniques while they plot out and complete their own investigations. Offered intermittently. Prerequisite: COM 30600.

COM 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 required. Offered intermittently. Prerequisites: CSC 10000 and COM 33400 and COM 33700.

COM 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. Offered intermittently. Prerequisites: COM 32700.

COM 43500 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. Offered intermittently. Prerequisites: COM 30500.

COM 44200 Promotional and Public Relations Copy Writing (3) This course offers a focused examination and practice of the special skills required in writing for public relations and marketing communication 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. Offered intermittently. Prerequisites: ENG 17000 and COM 24200 and COM 32800.

COM 44300 Interactive Web Development (3) This course is lab based and focuses on the development of web environments and components that provide enhanced methods of interaction to the user. Emphasis on animation, programming, and manipulation of both vector and bitmap images should be expected. Lab fee required. Offered intermittently. Prerequisites: COM 33400.

COM 44401 Advanced Interactive Scripting (3) Advanced Interactive Scripting provides students with a continuation of Interactive Web Development, allowing focus on the use of scripting to facilitate interaction in a variety of venues. Through a hands-on approach, students will gain exposure and experience in the creation of games for entertainment, education, and advertising; as well as Computer Based Training methodologies used in a variety of industries. Lab fee required. Offered intermittently. Prerequisite: COM 44300.

COM 45000 Communication Internship (3) This course offers supervised work experience for the advanced student which requires the application of communication principles, skills and strategies in business or professional communications organizations. Repeatable with department permission. Offered every semester. Prerequisites: Junior standing, minimum 3.0 GPA and either COM 301XX or COM 30800.

COM 45101 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 required. Offered intermittently. Prerequisites: COM 35400.

COM 45102 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 required. Offered intermittently. Prerequisites: COM 45101.

COM 46000 Mass Communications Theory (3) A focused historical investigation of mass communication theories, 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. Course offered every semester. Prerequisites: COM 30200 and senior standing.

COM 46500 Journalism Capstone (3) This course is designed to invite analysis of a prior internship and/or practicum with special focus on journalistic ethics and contemporary controversies facing professional journalists. The capstone project requires news coverage of an assigned topic reported with portfolio-level skills applied in newspaper, Internet, television and radio formats. Offered intermittently. Prerequisites: Journalism major and senior standing.

COM 49400 Capstone Interactive Media and Web Design (3) The Interactive Media & Web Design capstone course emphasizes work on a substantial project that reflects the knowledge and skills that a student has acquired through study in the program. The capstone course will challenge students through activities that encourage collaboration, mandate client interaction, and encourage adherence to current technological trends used in the industry. Lab fee required. Offered intermittently. Prerequisite: Interactive Media and Web Design major or minor with senior classification.

COMPUTER SCIENCE

CSC 10000 Introduction to Computer Science (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 provide the student with an overview of computer operations to include the operating system, basic networking, and telecommunications. Other topics covered include number systems, file management, data organization, and an introduction to the C++ programming. Lab fee required. Course offered every semester.

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 required. Course offered every semester. Prerequisite: CSC 10000 or placement test.

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 required. Course offered every semester. Prerequisite: CSC 14400 with a grade of C or better.

CSC 25500 Assembly Language Programming (3) This course is an investigation of the logical basis of a particular computer from the programmer's viewpoint. Topics covered include machine representation of numbers and characters, instruction formats, machine operations and organization, and addressing techniques. Students will write programs using an Assembly Language. Lab fee required. Course offered Fall semester only. Prerequisite: Completion of CSC 14400 with a grade of C or better.

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 MIS 44040. Lab fee required. Offered in Fall semester only. Prerequisite: C or better in CSC 24400.

CSC 32000 UNIX Workshop (3) This course is a workshop in the fundamentals of the UNIX/LINUX operating system. Topics covered will include using shells, text editing, file system structure, file system security, file system processing-processes, electronic mail, networking, shell programming, software development tools, system administration, window managers, and desktop managers. Lab fee required. Course offered Fall semester only. Prerequisite: C or better in CSC 24400.

CSC 34000 COBOL Programming (3) This course addresses programming in a business-oriented environment and focuses on developing applications for business use. The student will learn how to work with sequential files, control breaks, and data validation, interactive input and output, sequential updates, table processing and index file processing. Lab fee required. Course offered intermittently. Prerequisite: C or better in CSC 24400.

CSC 34400 GUI Application Design (4) This course provides students with experience in Graphic User Interface (GUI) programming using both JAVA and Visual Basic programming languages. Course offered every Spring semester. Prerequisite: C or better in CSC 24400.

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 required. Course offered Spring semester only. Prerequisites: C or better in CSC 24400.

CSC 38000 Telecommunications and Computer Networking (3) This course offers the theoretical foundation necessary for understanding telecommunication 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 required. Course offered Spring semester only. Prerequisite: C or better in CSC 24400.

CSC 40200 Visual Basic Programming (4) This course is designed to give students advanced knowledge of a programming language using the latest version of Visual Basic. Topics include the structure of the language, control structures, functions, data types, object oriented programs, datafiles, subprocedures, accessing databases, and creation of multiple forms, radio buttons, check boxes, drop down lists, scroll bars, list boxes, and combo boxes. Course offered intermittently. Prerequisite: C or better in CSC 25500.

CSC 40300 Computer Architecture (3) The course deals with the hardware software interface and includes topics in computer performance, computer organization and structure, machine language, computer arithmetic, assembly language, addressing techniques, program segmentation and linkage, the assembly and linking process, the fundamentals of digital logic, sequential processor design and performance, and the memory hierarchy. Lab fee required. Offered in Fall semester only. Prerequisite: C or better in CSC 25500.

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 required. Course offered Fall semester of even numbered years. Prerequisite: C or better in CSC 24400.

CSC 40600 Operating Systems (4) This course covers the theory and practice of modern operating system design. Topics include processor scheduling and management, memory management techniques, virtual memory, file systems, I/O and secondary storage scheduling, deadlock, concurrency, and security issues. A team project involving the simulation of an OS process management will be required. Lab fee required. Course offered in Spring semester only. Prerequisite: C or better in CSC 25500.

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 required. Course offered intermittently. Prerequisites: C or better in CSC 36000.

CSC 40900 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 required. Course offered Spring semester of even numbered years. Prerequisite: CSC 36000 plus 6 credit hours of CSC courses numbered 30000 or higher.

CSC 41000 Java Programming (4) This course is designed to give the student advanced knowledge of a programming language using Java. Emphasis will be on the fundamental syntax and semantics of Java for applications and Web applets. Additional topics include variables, data types and expressions, control structures (branching and looping), programmer-defined classes, arrays, graphical user interfaces, and accessing databases as a back end. Lab fee required. Course offered intermittently. Prerequisite: C or better in CSC 24400.

CSC 42500 Advanced Database Design (3) This course is the continuation of CSC 30500. Topics include database application design, multi-user databases and enterprise database processing. This project-oriented course will include experience in functioning in a project group, meeting users, writing requirements documents, and implementing the requirements document into a functional database. Lab fee required. Course offered intermittently. Prerequisites: C or better in CSC 30500.

CSC 43000 Senior Project (3) This course is a capstone course for all majors in computer science and computer information systems. Course offered every Spring semester. Prerequisites: C or better in both CSC 30500 and CSC 34400.

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 required. Course offered Spring semester of even numbered years. Prerequisite: CSC 30500.

CSC 45100, 45200, 45300 Cooperative Education in Computer Science (3) These courses give a student the opportunity to earn academic credit in a planned learning process that integrates academic training with supervised work experience. This course may be taken on a pass/fail basis. Courses offered intermittently. Prerequisite: Acceptance into the Lindenwood Computer Science Cooperative Education Program.

DANCE

DAN 10100 Introduction to Dance (3) (GE-FineArt) This course is a beginning movement course in dance techniques and styles including elements of modern dance, jazz dance, and ballet. It will help students develop body awareness, flexibility, and creativity. Includes beginning instruction in theory and technique. Offered every semester.

DAN 10300 Dance Practicum (1) This practicum is open to all students by permission of the dance faculty. Students will participate in public performances as members of various Lindenwood dance groups. This course may be repeated for credit. Offered every semester.

DAN 11000 Dance As An Art (3) (GE-FineArt/CrsClct) This course is an introductory course designed to develop the student's ability to enjoy and analyze dance performance through a consideration of dance style, technique, choreography and the role of dance in culture. Lecture course, no dance training necessary. Offered Fall semester only.

DAN 20300 Dance Practicum II Dance Practicum (1) This course is open to all students by permission of the dance faculty.

Students will participate in public performances as members of various Lindenwood dance groups. This course may be repeated for credit. Offered every semester.

DAN 20400 Beginning Jazz Dance I (3) (GE-FineArt) Through a variety of warm ups, dance exercises, and extended movement combinations set to contemporary music, students will learn the basic steps and movements of jazz dance. No dance training necessary. Offered Spring semester only.

DAN 20500 Beginning Jazz Dance II (3) This course is a continuation of Beginning Jazz Dance I. Offered Spring semester only. Prerequisite: DAN 20400 or permission of dean.

DAN 20900 Beginning Modern (3) This course is an introduction to the basic elements of modern dance techniques and styles. Offered intermittently.

DAN 21100 Beginning Tap Dance I (3) This course is an introduction to basic tap steps and terminology. Tap shoes required. Offered every Fall semester and intermittently spring semesters.

DAN 21200 Beginning Tap Dance II (3) This course is a continuation of Beginning Tap Dance I. Offered every Fall semester and intermittent spring semesters. Prerequisite: DAN 21100 or permission of dean.

DAN 22000 Beginning Ballet I (3) This course is an introduction to basic ballet steps and terminology. Offered every fall semester and intermittent spring semesters.

DAN 22100 Beginning Ballet II (3) This course is a continuation of Beginning Ballet II. Offered every Fall semester and intermittent Spring semesters. Prerequisite: DAN 22000 or permission of dean.

DAN 30100 Intermediate Modern Dance I (3) This course emphasizes intermediate modern dance techniques and styles of major choreographers. May be repeated for credit. Offered Spring semester only. Prerequisite: DAN 20900 or permission of dean.

DAN 30200 Intermediate Modern Dance II (3) This course is a continuation of Intermediate Modern Dance I. This course may be repeated for credit. Offered Spring semester only. Prerequisite: DAN 30100 or permission of dean.

DAN 30400 Intermediate Jazz Dance I (3) This course offers intermediate study in Jazz dance and musical theatre dance techniques. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 20400 or DAN 20500 or permission of dean.

DAN 30500 Intermediate Jazz Dance II (3) This course is a continuation of Intermediate Jazz Dance I. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 30400 or permission of dean.

DAN 30600 Intermediate Jazz Dance III (3) This course is a continuation of the Intermediate Jazz Dance sequence. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 30500 or permission of dean.

DAN 30900 Dance Theory and Composition I (3) This course is an exploration of the basic compositional theories of dance through mastery of improvisational movement techniques and the creation of dance compositions. (It is recommended that the course be taken in conjunction with a dance technique course). Offered Fall semester only.

DAN 31000 Dance Theory and Composition II (3) This course offers continuing study of compositional techniques with emphasis on group dance. Prerequisite: DAN 30900 or permission of dean. Offered spring semester only.

DAN 31100 Intermediate Tap I (3) This course offers continuing study of tap dance and performance styles with an emphasis on musical theatre tap. This course may be repeated for credit. Offered Spring semester only. Prerequisites: DAN 21200 or permission of dean.

DAN 31200 Intermediate Tap II (3) This course is a continuation of DAN 31100 Intermediate Tap I with an emphasis on musical theatre tap. This course may be repeated for credit. Offered Spring semester only. Prerequisite: DAN 31100 or permission of dean.

DAN 32000 Intermediate Ballet I (3) This course offers continuing study of ballet techniques and performance styles. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 22000 or DAN 22100 or permission of dean.

DAN 32100 Intermediate Ballet II (3) This course is a continuation of Intermediate Ballet I. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 32000 or permission of dean.

DAN 32200 Intermediate Ballet III (3) This course offers continuing study of ballet techniques and performance styles for the advanced intermediate student. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 32000 or DAN 32100 or permission of dean.

DAN 32300 Intermediate Ballet IV (3) This course is a continuation of intermediate ballet for the advance intermediate student. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 32200 or permission of dean.

DAN 37100 Dance in the 21st Century (3) (GE-FineArt/CrsClc) This course explores the history and role of dance in different cultures around the world. Through video observations, readings and class discussions, students will be exposed to the multicultural influences on dance in today's society. Lecture course, no dance experience necessary. Offered Spring semester only. Prerequisite: ENG 17000 with a "C" or better.

DAN 37200 Dance Teaching Methods (3) This course is a survey of principles and practices of teaching dance in schools and private studio settings. Offered Spring semester only. Prerequisite: DAN 30500, DAN 31200 and DAN 32000 or permission of dean.

DAN 37500 University Dance Ensemble (1) Lindenwood University Student Dance Ensemble will focus on choreography and performance, including public performances on campus and in various off-campus venues (schools, community centers, etc.) as well as offer workshops and community outreach. Repeatable for credit. Offered every semester. Prerequisite: audition only.

DAN 40100 Advanced Modern Dance I (3) Further exploration of modern dance techniques and performance styles will be explored in this class. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 30100 or permission of dean.

DAN 40200 Advanced Modern Dance II (3) This course is a continuation of Advanced Modern Dance I. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 40100 or permission of dean .

DAN 40400 Advanced Jazz Dance I (3) This course offers further exploration of jazz dance techniques and performance styles. May be repeated for credit. Offered every semester. Prerequisite: DAN 30400 or DAN 30500 or DAN 30600 or permission of dean.

DAN 40500 Advanced Jazz Dance II (3) This course is a continuation of Advanced Jazz Dance II. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 40400 or permission of dean.

DAN 40600 Advanced Jazz Dance III (3) This course serves as the final course in the Jazz dance sequence. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 40500 or permission of dean.

DAN 41100 Advanced Tap I (3) This course offers advanced studies in tap dance techniques. This course may be repeated for credit. Offered fall semester only. Prerequisite: DAN 31200 or permission of dean.

DAN 41200 Advanced Tap II (3) This course serves as the final course in the tap dance sequence. This course may be repeated for credit. Offered Fall semester only. Prerequisite: DAN 41100 or permission of dean.

DAN 42000 Advanced Ballet I (3) This course offers advanced studies in ballet with emphasis on technique and performance style. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 32300 or permission of dean.

DAN 42100 Advanced Ballet II (3) This course is a continuation of Advanced Ballet I. Offered every semester. Prerequisite: DAN 42000 or permission of dean.

DAN 42200 Advanced Ballet III (3) This course is a continuation of Advanced Ballet II. This course may be repeated for credit. Offered every semester. Prerequisite: DAN 42100 or permission of dean.

DAN 42300 Advanced Ballet IV (3) This course serves as the final course in the advanced ballet sequence. Prerequisite: DAN 42200 or permission of dean. This course may be repeated for credit. Offered every semester.

DAN 47000 Seminar in Dance (3) This course offers advanced studies in dance for students with special interests. Topics may include dance therapy, professional internships, off-campus studies and performance, anthropology, pedagogy, etc. May be repeated for credit as topics vary. Studio fee may apply. Offered intermittently. Prerequisite: permission of dean.

DAN 47200 Senior Project (3) Students must complete a senior project determined in conjunction with their advisor. Emphasis

may be choreography, performance, history, pedagogy, therapy, or other specialized topic. Studio fee may apply. Offered Spring semester only. Prerequisite: permission of dean and senior standing.

EARTH SCIENCES

See page 106 of this catalog for the course descriptions of all ESC courses.

ECONOMICS

ECON 13090 Special Topics in Economics (1-3) This course explores unique economics topics and is designed to enhance the economics education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ECON 23010 Survey of Economics (3) (GE-SocSci) This course is designed to introduce basic economics concepts, relationships, and institutions. The course provides a foundation for applying economics to individual decision making and for critically analyzing aggregate economic behavior and policy. Topics to be 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. Offered every semester. This course will not fulfill a core or elective requirement for business majors.

ECON 23020 Principles of Microeconomics (3) (GE-SocSci) 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. Economic decision-making and policy will be grounded within the broader ethical context so as to stimulate students' critical thinking. Topics to be covered include marginal analysis, production possibilities, demand and supply, elasticity, household and consumer choice, firm production and costs, profit maximization, and market structures. By the end of this course, students will be prepared to describe and evaluate the determinants of price, apply economic decision-making skills to everyday decisions, and apply the economic tools discussed to the broader world around them. Offered every semester. This course must be taken by all business majors as a part of the business core requirement. (ECON 23010 may not be substituted.) The three credit hours earned for this course will fulfill one GE Social Science requirement. Prerequisite: a C or better in MTH 14100 or MTH 13100 or higher.

ECON 23030 Principles of Macroeconomics (3) This course introduces students to economic concepts, relationships, and institutions related to the aggregate economy. Keynesian analysis is used to analyze the effect of fiscal and monetary policy actions on employment, output and prices. Economic decision-making and policy will be grounded within the broader ethical context so as to stimulate students' critical thinking. Topics to be covered include national income accounting, business cycles, economic growth, unemployment, inflation, aggregate demand/supply, fiscal policy, monetary policy, and international trade. By the end of this course, students will be prepared to define the macroeconomic aggregates such as GDP, inflation and unemployment; explain the relationship between the major macroeconomics aggregates and the policy actions and other

events which cause them to fluctuate; compare and contrast Classical and Keynesian economics; and appraise how closely the macroeconomic tools discussed in this course parallel developments in the real economy. Offered every semester. Prerequisite: a C or better in MTH 14100 or MTH 13100 or higher. This course is part of the core business administration requirements. ECON 23010 may not be substituted.

ECON 23090 Special Topics in Economics (3) This course explores unique economics topics and is designed to enhance the economics education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ECON 33020 Managerial Economics (3) This course explores theory of firm decision-making applicable to organizations in various market environments through an applications-based approach; economic theory is integrated with other business administration disciplines. Offered intermittently. Prerequisites: a C or better in ECON 23020 and ECON 23030. MTH 15200 recommended.

ECON 33025 Money and Banking (3) The course is designed to extend macroeconomic policy analysis with emphasis on the role of financial markets, financial institutions, foreign exchange markets, and the monetary authority. Topics to be covered include the money markets, bond markets, interest rates, financial market structure, and exchange rates. By the end of this course, students will be prepared to describe the U.S. financial system, explain the role of each of the major groups of financial intermediaries in the development and functioning of the economy, calculate interest rates and explain the behavior of interest rates, analyze the monetary policy initiatives of the Federal Reserve System over the past fifty years, explain how the foreign exchange markets operate, and appraise how efficiently financial markets operate. Offered every semester. Prerequisite: a C or better in ECON 23030.

ECON 33030 Economic History of America (3) This course will utilize the history of the United States as a method of studying economics. By examining the history of American business and economic issues, students will investigate the following: markets and economic systems and the causes of their changes over time; the impact of economic concepts on governmental decisions, business development, and national growth; different segments of the economy and their evolving interdependence, and the impact of technologies and entrepreneurship on that evolutionary process; the impact of economic decisions by business leaders, governmental officials, and workers in the American political economy; and the role of government in shaping and regulating the economy, along with political, economic, and social consequences of that changing role. NOT OPEN TO STUDENTS WITH CREDIT IN HIS 31400. This course is offered spring semester only. Prerequisite: HIS 10500, HIS 10600, HIS 21500, or HIS 21600 and a grade of C or better in ENG 17000 or permission of dean.

ECON 33035 Current Economic & Social Issues (3) (GE-CrsClt) This course aims to apply microeconomic and macroeconomic theory to major social and market phenomena. Topics to be covered include supply and demand movements in the microeconomic area, market failure analysis, and government stabilization tools in the macroeconomic area. By the end of this course, students will understand how their own economic aspirations and behaviors as consumers, workers, and voters impact a host of policy concerns and shape the world in which

they live. Offered intermittently. Prerequisite: a C or better in ECON 23010 or ECON 23030.

ECON 33040 Intermediate Microeconomics (3) This course examines and expands on the concepts introduced in Principles of Microeconomics ECON 23020 and introduces additional tools of economic analysis. Topics to be covered include partial equilibrium analysis (utilizing supply and demand functions), elasticity, welfare economics, the behavior of firms in various market structures, and an introduction to new institutional economics. The course emphasizes conceptual understanding and problem solving using basic algebra and geometry. Additionally, basic calculus techniques are introduced in the context of economic optimization problems. Offered spring semester only. Prerequisites: a grade of C or better in ECON 23020 and ECON 23030.

ECON 33045 Intermediate Macroeconomics (3) This course examines and further explores theories and models introduced in Principles of Macroeconomics (ECON 23030) in order to deepen student understanding of the factors influencing the macro economy. Fiscal and monetary policy will be analyzed in greater depth. Various schools of economic thought—Classical, Keynesian, Monetarist—will be compared and contrasted. Textbook material will be presented in the context of recent U.S. economic events. Offered fall semester only. Prerequisite: a grade of C or better in ECON 23020 and ECON 23030.

ECON 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. Offered intermittently.

ECON 33055 Economics and the Environment (3) This course introduces students to the economics of environmental and natural resource problems. Topics to be covered include externalities, public goods, and property rights; economics of pollution control, air pollution, global climate change, water pollution; principles of cost-benefit analysis; and the economics of renewable and non-renewable resources. Offered spring semester only. Prerequisite: a C or better in ECON 23020.

ECON 33060 History of Economic Thought (3) This course examines the development of economic theory from the Mercantilists to the present. The course 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. Offered intermittently. Prerequisite: a grade of C or better in ECON 23020 and ECON 23030.

ECON 33090 Special Topics in Economics (1-3) This course explores unique economics topics and is designed to enhance the economics education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ECON 33091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

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 SAS and will conduct regression analyses using real data sets. Offered spring semester only. Lab fee. Prerequisite: a grade of C or better in ECON 33040 and ECON 33045.

ECON 43090 Special Topics in Economics (1-3) This course explores unique economics topics and is designed to enhance the economics education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

ECON 43091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

ECON 43095 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

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. Observation and application of behavior management strategies are a part of this course. Offered every semester. Prerequisite: EDU 34100.

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, mental retardation, 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. Offered every fall and spring. Prerequisite: EDU 34100.

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. Offered spring only. Prerequisite: EDS 31800.

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. Offered spring only. Prerequisite: EDU 34100.

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. Offered every fall and spring. Prerequisites: EDU 34100.

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. Offered every fall and spring. Prerequisite: EDU 34100.

EDS 35000 Practicum for Teaching Children with Disabilities in Cross-Categorical Settings (1-3) This course is required concurrently for students enrolled in EDS 32600 or the semester following. Working with a special education teacher in a cross categorical setting, the student will apply the principles, techniques, strategies, and methods taught in EDS 32600. Practicum students are responsible for observing and working with special education students throughout the semester. 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. Offered intermittently. Prerequisite: 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. Offered every semester. Prerequisites: EDU 32200, EDU 31200, and two college mathematics courses.

EDUCATION

EDU 10000 Orientation to Educational Experiences (3) Students will examine the roles and responsibilities of teachers. 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. All students planning to teach are required to take this course before or in conjunction with their first education course(s). 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. This course is offered every semester.

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. This course is offered every fall and spring semester. Prerequisite: EDU 10000.

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. Concepts, theory, models, and methods of research in developmental and educational psychology are also investigated. This course offered every semester.

EDU 21500 PRAXIS II-Foliotek Seminar for Teacher Education (0) The course provides the student an opportunity to review and synthesize the skills and content knowledge of selected subject areas of teacher certification. This course will assist in developing test taking techniques in preparation for the PRAXIS II. Students are also oriented to the requirements of the culminating assessment portfolio. This is a required non-credit course for students who have completed at least 15 hours of teacher education certification coursework. Students must pass the CBASE in order to successfully complete this course. Corequisite: Apply to the teacher certification program. This course offered every semester. P/F grading. Prerequisite: EDU 10000, EDU 20200, and EDU 30400. Course offered every semester.

EDU 21501, EDU 21502, EDU 21503 PRAXIS II-Foliotek Seminar for Teacher Education (1-3) can be taken for credit. This course provides the student an opportunity to review and synthesize the skills and content knowledge of selected subject areas of teacher certification. This course will assist in developing test taking techniques in preparation for the PRAXIS II. Students are also oriented to the requirements of the culminating assessment portfolio. This is a required non-credit course for students who have completed at least 15 hours of teacher education certification coursework. Students must pass the CBASE to successfully complete this course. Students taking the course for credit will be required to log 15-45 hours (depending on enrolled credit hours) describing detailed preparation to prepare for the PRAXIS II, submit rationale and reflection assignment(s), and evaluate the preparation experienced in each required education course. Corequisite: Apply to the teacher certification program. This course offered every semester. P/F grading. Prerequisite: EDU 10000, EDU 20200, and EDU 30400. Course offered every semester.

EDU 23100 Elementary Music Methods (2) This course provides a general preparation for the teacher in the elementary classroom. A study of the principles, procedures, and objectives of school music is included. This course offered every semester. Prerequisites/Concurrent: EDU 10000.

EDU 23300 Elementary Art Methods (2) This course is designed for either the elementary classroom teacher or for the art teacher in the elementary school. Studio work and lecture on creative expression and techniques is included. This course offered every semester. Prerequisites/Concurrent: EDU 10000. Lab fee required.

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 offered every semester.

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. This course offered every semester.

EDU 27400 Physical Education in Elementary Schools (2) This course covers organizational and instructional aspects of planning a sequential K-8 program of physical education, emphasizing fundamental motor skill development, rhythms, games, and sports. This course offered every fall and spring semester.

EDU 27500 Methods in Health Education (3) This course is designed to bridge the gap between theory and practice in the health education classroom. Program planning and curriculum development are emphasized, with special attention given to philosophy, content, goals and objectives, learner-centered instruction, and resources available to the learning environment. This course offered spring semester only.

EDU 29300 Education Praxis Review (3) This class is designed to help students prepare for the Praxis II exam required for Missouri Teacher Certification. Students will become familiar with Praxis test specifics, including, Praxis testing formats, Praxis test registration, and score reporting. Students will spend the majority of class time engaged in individual and group study of general and subject-specific teaching skills and knowledge. This course is offered in J-Term.

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. These courses offered intermittently.

EDU 30400 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. This course offered every semester. Prerequisite/Concurrent: EDU 10000 and EDU 20200.

EDU 30500 Elementary Reading Methods (3) This course examines a variety of reading methodologies, materials, and evaluation items are presented and used with readers in the school system. The student will participate in a comprehensive study of the skills required for reading development, such as word attack, perception, vocabulary, and comprehension. This

course includes a ten-hour practicum. This course offered every semester. Prerequisites: EDU 215XX, EDU 20200, and EDU 32200.

EDU 30600 Elementary/Middle 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. This course offered every semester. Prerequisites: EDU 215XX, EDU 20200, and EDU 32200.

EDU 30700 Teaching Reading in the Content Areas (3) This course is designed to provide prospective teachers of Grades 5-12 with techniques for assessing and improving reading and study skills in the content areas. Students will learn to apply reading concepts, theories, and techniques to content area material by developing model lesson plans and materials. This course satisfies state requirements of completing a basic reading course for middle school and secondary certification. This course offered every semester. Prerequisite: EDU 215XX. This course also requires concurrent enrollment in EDU 32100.

EDU 30900 Analysis and Correction of Reading Disabilities (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. This course offered every semester. This course is to be taken concurrently with or prior to EDU 39900 to meet early childhood, early childhood special education, and elementary education degree program requirements. Prerequisites for this course are EDU 215XX and one of the following: EDU 30500 or EDU 30700.

EDU 31200 Elementary/Middle 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. This course offered every semester. Prerequisites: EDU 10000. Concurrent: EDU 215XX, EDU 32200 and two university level mathematics courses.

EDU 31300 Elementary/Middle School Social Studies Methods (3) This course includes the theoretical and practical aspects of the early childhood, elementary, and middle school 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. This course offered every semester. Prerequisites/Concurrent: EDU 215XX, EDU 32200.

EDU 31400 Utilizing Family and Community Resources (3) This course serves as an exploration of resources in the community and methods of incorporating these resources into the early childhood program. Family resources and family-school relationships are studied, and materials and methods for developing such relationships that contribute to a focus of efforts. A 30 hour practicum is embedded in this course. This course offered Fall semester only. Prerequisites: EDU 10000, EDU 31700. Concurrent: EDU 215XX, EDU 32200.

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, and an introduction to the theories of language acquisition. This course includes a concern for: understanding the influence of environment and culture in language development, development of techniques and materials for stimulating language growth, identification of speech and articulation problems and appropriate referral methods, familiarity with instruments, and techniques for assessing language development. This course offered Fall semester only. Prerequisite: EDU 10000, Concurrent: EDU 215XX, EDU 32200.

EDU 31700 Introduction to 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. This course offered every semester.

EDU 31900 Elementary/Middle School Science Methods (3) This course is designed to explore various methods, materials, strategies, and processes used in early childhood, elementary, and middle school science programs. Students are expected to plan, develop, and teach several science lessons using a variety of science instruction formats. This course offered every semester. Prerequisites: EDU 10000, EDU 20200, EDU 30400. Concurrent: EDU 215XX, EDU 32200. Lab fee required.

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. This course offered every semester.

EDU 32100 Middle/High School Classroom Teaching and Technology (3) This course will enable the student to examine the specific techniques and procedures applicable to effective teaching at the middle school and secondary education level, including an examination of what is required to design logical, engaging, and rigorous lessons that meet the needs of all learners. This course will explore different approaches to lesson planning while concentrating on the direct teaching model. This course will also apply Blooms Taxonomy as related to lesson plan objectives and the assessments of planned lessons. The technology examined will review and/or introduce the application of instructional technologies, including but not limited to Microsoft Word, Power Point, Microsoft Excel, Smart Board, Web Quest. This course offered every semester. Prerequisites: EDU 20200 and EDU 30400.

EDU 32200 Elementary Classroom Teaching and Technology (3) This course will enable the student to examine the specific techniques and procedures applicable to effective teaching at the elementary level, including an examination of what is required to design logical, engaging, and rigorous lessons that meet the needs of all learners. This course will explore different approaches to lesson planning while concentrating on the direct teaching model. This course will also apply Blooms Taxonomy

as related to lesson plan objectives and the assessments of planned lessons. The technology examined will review and/or introduce the application of instructional technologies, including but not limited to Microsoft Word, Power Point, Microsoft Excel, Smart Board, Web Quest. This course offered every semester. Prerequisites: EDU 20200 and EDU 30400.

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. This course offered fall semester only. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32200.

EDU 32400 Assessment of Intellectual Skills (3) This course teaches students about the use of non-projective, educationally relevant tests, theories of measurement, test construction, test administration, and ethical use. Students will attain competence in administration of one of the more commonly used methods of assessment, either Binet or Wechsler. Lab fee required. This course offered every semester.

EDU 32500 Perceptual Motor Development (2) This course examines the complex relationship between sensory perception and the development of gross and fine motor skills. The student will analyze and evaluate 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. This course offered every semester. Prerequisite: EDU 10000, EDU 31700. Co: EDU 215XX, EDU 32200.

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. This course offered spring semester only.

EDU 32900 Creative Curriculum Materials for Early Childhood/ Early Childhood Special Education Programs (4) 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. This course is offered fall semester only.

EDU 33000 Methods of Teaching Science (3) This course addresses problems of teaching science in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33100 Methods of Teaching Mathematics (3) This course addresses problems of teaching mathematics in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33200 Methods of Teaching Modern Languages (3) This course addresses problems of teaching modern languages in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33300 Methods of Teaching Art (Dance) (3) This course addresses problems of teaching art (dance) in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33400 Methods of Teaching English (3) This course addresses problems of teaching English in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33500 Methods of Teaching Social Studies (3) This course addresses problems of teaching social studies in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33600 Methods of Teaching Business Education (3) This course addresses problems of teaching business education in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33700 Methods of Teaching Speech & Theatre (3) This course addresses problems of teaching speech & theatre in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33800 Methods of Teaching Music (3) This course addresses problems of teaching music in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 33900 Methods of Teaching Industrial Education (3) This course addresses problems of teaching industrial education in middle schools and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

EDU 34000 Methods of Teaching Physical Education (3) This course addresses problems of teaching the specialty subject in middle and high schools. New materials and methods are examined, implemented, and evaluated. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX, EDU 32100.

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. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 21500 and either EDU 32100 or EDU 32200.

EDU 34300 Middle/High School Differentiation and Classroom Management (3) This course will enable the student to examine the specific demands required to differentiate instruction in middle school and high school classrooms. Additionally, the student will examine the role of each instructor in cooperative-teaching situations. This course will also explore the demands and techniques of classroom management. The technology examined will review and/or introduce the application of instructional technologies including, but not limited to, Smartboard, Podcasting, Clickers, and other types of classroom communications. Legal and ethical issues that control the use of technology in the classroom will be investigated. This course offered every semester and taken concurrently with EDU 38000. Prerequisites: EDU 32100

EDU 34400 Elementary School Differentiation and Classroom Management (3) This course will enable the student to examine the specific demands required to differentiate instruction in diverse elementary classroom settings. Additionally, the student will examine the role of each instructor in cooperative-teaching situations. This course will also explore the demands and techniques of classroom management. The technology examined will review and/or introduce the application of instructional technologies including, but not limited to, Smartboard, Podcasting, Clickers, and other types of classroom communications. Legal and ethical issues that control the use of technology in the classroom will be investigated. This course offered every semester and taken concurrently with EDU 38000. Prerequisites: EDU 32200

EDU 34500 Childhood Health, Nutrition & Safety (3) This course focuses on health, nutritional requirements, safety precautions, first aid techniques, and emergency procedures of the young child. This course offered every semester. Prerequisite: EDU 20200.

EDU 35100 Early Childhood Screening, Diagnosing and Prescribing Instruction (3) This course focuses on methods and materials utilized in screening and diagnosing learning problems and prescribing instruction in early childhood education. Field experiences are included in this course. This course offered spring semester only. Prerequisite: EDU 31700.

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. This course offered every semester. Prerequisite: EDU 10000.

EDU 36500 Coordination of Cooperative Education (3) This course is designed to prepare the student to plan, organize,

deliver, supervise, and evaluate a variety of community-based experiences. This course offered summer semester only.

EDU 36600 Methods of Teaching Marketing (3) This course investigates the teaching of marketing education in high school. New materials and methods are examined, implemented and evaluated. This course offered spring semester only.

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. This course is offered spring semester only.

EDU 37300 Implementing Vocational Business Education Programs (3) This course fulfills the necessary requirements for DESE to become vocationally certified for Business High School teachers. After successful completion of the secondary business program and 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 high school setting. Extensive use of computer technology, including the Internet, will be required for research and completion of projects.

EDU 38000 Pre-Student Teaching Practicum (1-3) 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 corequisite with EDU 34300 or EDU 34400. This course offered every semester except J-term. Prerequisites: EDU 20200, EDU 30400, EDU 32100 and 32200.

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. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX.

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. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX.

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. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX.

EDU 38800 Middle School Psychology (3) This course will provide an understanding of and appreciation for the growth of the middle school adolescents physically, emotionally, socially, and intellectually as related to the child's education at the middle school level and in high school. This course offered every semester. Prerequisite: EDU 10000. Concurrent: EDU 215XX.

EDU 39400 Marketing Field Experience I (3) This will provide an opportunity for the student to closely study the area of marketing through participation with a coordinator in the world of work.

Each student will spend 500 hours under the supervision of an instructor. The student will also survey research in marketing and related fields. This will be one of four courses to fulfill the required occupational work experience for vocational certification. These courses offered intermittently.

EDU 39500 Marketing Field Experience II (3) This course is a continuation of EDU 39400. The student will continue to accumulate hours toward fulfilling the state requirements for certification. Requirements for this course include a 500 hour internship. This course offered Summer semester only. Prerequisite: EDU 39400.

EDU 39600 Marketing Field Experience III (3) This course is a continuation of EDU 39500. The student will continue to accumulate hours toward the state requirement for certification. Internships at various locations will be a part of the course requirement. Requirements for this course include a 500 hour internship. Prerequisite: EDU 39500.

EDU 39700 Marketing Field Experience IV (3) A continuation of EDU 39600. The student will continue to accumulate hours toward the state requirement for certification. Requirements for this course include a 500 hour internship. Prerequisite: EDU 39600.

EDU 39800-39899 Special Topics in Education (1-3) These courses allows 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. These courses offered intermittently.

EDU 39900 Practicum: Analysis and Correction of Reading Disabilities (2) This course is required for students working towards completion of an early childhood, early childhood special education, or elementary education degree and taken concurrently with EDUC 30900 or the following semester. Working with a regular classroom teacher and remedial teacher in a school setting, students will apply the testing and remediation techniques taught in EDU 30900. Practicum students are responsible for observing and working with students throughout the semester. A diagnostic report, lesson plans, and progress reports are required for each student tutored. This course is offered every semester. Prerequisite: EDU 215XX, and one of the following: EDU 30500 or EDU 30700.

EDU 41000 Student Teaching (12) 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 practicum 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. Course registration must be approved by the Council of Teacher Education. The student teacher's total academic load is limited to one course in addition to student teaching. Students seeking K-12 certification must teach at both the elementary and secondary levels. Special education majors will teach in a regular classroom and a special education classroom. Students must also participate in a pre-teaching experience prior to the official start of the student-teaching semester. A student teaching fee is required. In addition to enrolling for the student teaching course, an application must be submitted to the School of Education by

the preceding semester of student teaching: February 1 for fall student teaching and September 1 for spring and summer student teaching. Students must successfully complete the Praxis exam prior to a student teaching placement being sought. Please see School of Education website for complete information on student teaching application process. Lab fee required. This course offered every semester.

EDU 49800-49899 Special Topics in Education (1-3) These courses allows 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. These courses offered intermittently.

ENGINEERING

EGR 25100 Computer Aided Design (CAD) (3) This course is an introduction to computer-aided design using AutoCAD. Offered Spring semester only. Prerequisite: C or better in CSC 10000 or MIS 24000.

EGR 33100 Engineering Mechanics I–Statics (3) 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. The course also treats friction, moments of inertia and principles of virtual work. Offered Spring semester only. Prerequisites: C or better in MTH 27100 and PHY 30100.

EGR 33200 Engineering Mechanics II–Dynamics (3) This course begins with a review of vector algebra, vector calculus, kinematics of a particle, work and energy, and impulse and momentum. This is followed by a treatment of kinematics of rigid bodies, general theorems for systems of particles, kinetics of rigid bodies and the inertia tensor. Offered intermittently. Prerequisites: C or better in PHY 30100 and MTH 30300 or concurrent enrollment.

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, nodevoltage and current-mesh techniques, operational amplifiers, and RL, RC and RLC circuits and sinusoidal steady-state analysis. Offered Fall semester only. Lab fee required. Prerequisite: C or better in MTH 27200 and PHY 30100.

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. Lab fee required. Offered intermittently. Prerequisite: EGR 36100.

ENGLISH

ENG 11000 Effective Writing (3) This course prepares students for ENG 15000. A variety of approaches, including skill-based tutorials, journal writing, reader response, drafting, peer response, and revision will be employed to focus on strengthening competence and confidence in writing ability. Smaller, seminar-style class sessions will facilitate intensive, customized attention to foster writing strengths while successfully addressing areas for improvement. *In order to advance to ENG 15000, students must earn a "C" or above in ENG 11000 or EPP 11000.* This course is offered every semester. *Prerequisite: Students will be placed in ENG 11000 based upon an assessment of their writing skills.*

ENG 15000 English Composition I (3) (GE-Eng) This course is an intensive review of the English language and its use in college-level writing, including the mechanics of written discourse, sentence structure, paragraph development, and essay organization. Selections from expository and imaginative literature will be discussed as models for the effective use of language and as sources for composition topics. *In order to advance to ENG 17000, students must earn a "C" or above in ENG 15000 or EPP 11000.* This course is offered every semester. *Prerequisite: Placement is based upon an assessment of writing skills or ENG 11000 with a "C" or better or EPP11000 with a "C" or better. A writing assessment is part of the initial registration process.*

ENG 17000 English Composition II (3) (GE-Eng) Students give special attention to the development of a mature style of writing and to the research, mechanics, and writing of documented argumentation papers. The writing assignments will be related to the subject areas anticipated in college study. This course is offered every semester. Prerequisite: ENG 15000 or EPP 15000 with a "C" or better. In order to advance out of ENG 17000, students must earn a "C" or above.

ENG 20000 Introduction to Literature (3) (GE-Lit) This course is an introduction to the reading and analysis of literature; the semester's work will involve extensive reading in one of the following genres: poetry, short fiction, novel, drama, or essay. This course is offered intermittently. Prerequisite: ENG 17000 with grade of "C" or better.

ENG 20100 World Literature I (3) (GE-Lit/Crs-Clt) This course is a study of ideas that have shaped civilizations, with emphasis on the literature of various cultures and periods. Works will be read in English translation. Lectures and discussions interpret literature and consider religious and philosophical thought in terms of contrasting as well as universal themes and values. This course is offered every semester. Prerequisite: ENG 17000 with a "C" or better.

ENG 20200 World Literature II (3) (GE-Lit/CrsClt) This course is a study of ideas that have shaped our cultures, beliefs, and understanding from the Renaissance to the present. Students will examine the cultural contexts of the works and will consider the universal doctrines and themes these works suggest. This course is offered every semester. Prerequisite: ENG 17000 with a "C" or better.

ENG 21000 Writing Proficiency Lab (3) This computer-lab based course allows students to work on their areas of writing and grammar deficiencies as identified by a diagnostic exam completed on the first day of class. Individual and group work as well as written papers are included. This course is open to all students. It also prepares students to retake the Writing Proficiency Assessment. This course is offered every semester.

ENG 21100 Introduction to Creative Writing (3) Students will learn and practice the skills required in poetry, narrative fiction, and creative non-fiction. This course is offered fall semester only. Prerequisite: ENG 17000 with a "C" or better.

ENG 21200 Introduction to Technical and Professional Writing (3) This course introduces the problem-solving skills and forms required in technical and professional writing. This course is offered spring semester only. Prerequisite: ENG 17000 with a "C" or better.

ENG 21600 Comedy: Its Origin and Development (3) (GE-Lit/CrsClt)

This course investigates the nature of laughter and the function of comedy in society. Lower or scoundrel, the comic hero is the “wise fool” upholding basic human values of mirth and pleasure in a society caught up in its own complacency. Papers and projects may deal with topics such as the Feast of Fools, Mardi Gras, clowns and jesters, vaudeville, and comedians of the silent film. This course is offered spring semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better.

ENG 23500 American Literature I (3) (GE-Lit) This course is a survey of American writing from the colonial frontier to 1890 with emphasis on the struggle of New World writers to develop distinctive American themes and characters arising from the conquest of a virgin continent. This course is offered every semester. Prerequisite: ENG 17000 with a “C” or better. Suggested prerequisite or concurrent enrollment: HIS 10500.

ENG 23600 American Literature II (3) (GE-Lit) This course is a survey of late 19th- and 20th-century American novels, poetry, prose, and drama; it explores distinctive American themes as reflected through an ever-changing society. This course is offered every semester. Prerequisite: ENG 17000 with a “C” or better. Suggested prerequisite or concurrent enrollment: HIS 10600.

ENG 24500 Folklore and Fables: The Telling of Tales (3) (GE-Lit/CrsClt) This course examines the art of storytelling and the role of the storyteller in society. Readings include folk stories from around the world, fairy tales, fables, and parables. This course is offered spring semester of even numbered years. Prerequisite: ENG 17000 with a “C” or better.

ENG 25000 Myth and Civilization (3) (GE-Lit/CrsClt) This course is an introduction to the myths that have been understood as origins of civilization and culture. Readings include tales of creation and myths concerning the origins of organized society. The readings provide information and understanding about the functioning of myth as it survives in the present. This course is offered fall semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better.

ENG 25600 Epic and Tragedy: The Hero and the City (3) (GE-Lit) This course is a study of works from classical Greek literature focusing on the differences between genres of epic and tragedy and the changes in philosophical, political, and economic conditions that are reflected in the literature. Readings include works by Homer, Aeschylus, Sophocles, and Euripides, as well as selections from Plato and Aristotle concerning poetry and its role in society. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 27600 African-American Literature (3) (GE-Lit) This course includes pre-emancipation slave narratives, spirituals, poetry, and essays; and post-emancipation poetry, song, autobiography, prose, and drama. The course examines works from a selection of African-American authors; considers some of the ways these writers defined themselves, their culture, their “America”; discloses some of the obstacles they met; and discusses criticism of a “Black” aesthetic. This course is offered spring semester of even numbered years. Prerequisite: ENG 17000 with a “C” or better.

ENG 27800 Latino Literature (3) (GE-Lit) This course introduces students to literature of the Latino 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. This course is offered spring semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better.

ENG 28000 Selected Topics in Literature (3) (GE-Lit) This course is a study of specific authors, genres, or topics in English, American, and world literatures. The course may be repeated as topics vary. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 28100 Selected Topics in Literature (3) (GE-Lit/CrsClt) This course is a study of specific authors, genres, or topics in English, American, and world literatures. The course may be repeated as topics vary. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 28200 Selected Topics in English (3) This course is designed to study various topics in English other than literature related topics. The course may be repeated as topics vary. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 29100 Introduction to Writing for Performance (3) Students learn the basic principles of writing for the performance media (stage, film, and television) through the discipline of writing and rewriting performable play scripts. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 29200 Introduction to Writing Creative Non-Fiction (3) Students learn how to use their own personal experiences in writing popular non-fiction—writing that may focus closely on themselves as individuals but which may turn outward toward other people, places, and social issues. This course is offered intermittently. Prerequisite: ENG 21100.

ENG 30200 Advanced Writing and Research (3) This course is an introduction to library reference materials as well as to the skills of finding information about topics of individual interest and general knowledge. Students complete bibliographies and papers in their areas of interest. This course is offered spring semester only. Prerequisite: ENG 17000 with a “C” or better or the course may fulfill the ENG 17000 requirement with recommendation of the English Department.

ENG 30500 British Literature I (3) (GE-Lit) This course is a survey of English poetry and prose from the Anglo-Saxon period through the 18th century. Representative readings are examined in terms of the cultural changes and literary conventions that constitute English literary history. This course is offered fall semester only. Prerequisite: one 20000-level literature course.

ENG 30600 British Literature II (3) (GE-Lit) This course is a continuation of English 30500 covering the early Romantic period through the 19th and 20th centuries. The works of major writers are studied in terms of each writer’s own critical statements or in terms of the particular school or movement to which the works belong. This course is offered spring semester only. Prerequisite: one 20000-level literature course.

ENG 30900 The English Novel (3) (GE-Lit) This course is a study of selected novels from the eighteenth century to the early twentieth century with attention to the development of the novel as a literary form and to its importance in the culture of its historical period. Also included is an account of the forerunners

of the novel in the narrative tradition since the Homeric era. This course is offered intermittently. Prerequisite: one 20000-level literature course

ENG 31000 Modern Fiction (3) (GE-Lit) This course is a study of selected novels and short fiction with an emphasis on both American and British works. Consideration will be given to treatment of contemporary problems against a background of modern thought. This course is offered intermittently. Prerequisite: one 20000-level literature course.

ENG 31100 Advanced Creative Writing (3) Students will learn dramatic structure and practice the skill required to write performable play scripts. This course is offered spring semester only. Prerequisites: ENG 21100 or permission of dean.

ENG 32300 Advanced Poetry Writing (3) This poetry workshop is designed to give students a deeper understanding of the creative potential of writing. The course addresses both the art and artifact of poetry, including analysis, close reading, experimental writing, drafting, supportive peer response, reflection, and sharing. This course is offered intermittently. Prerequisite: ENG 21100.

ENG 33200 Chaucer (3) (GE-Lit) This course examines selected works by Chaucer, with emphasis on *The Canterbury Tales*. Students will read and interpret Chaucer's writings in light of the medieval world in which they were written. Chaucer is himself an introduction to that world. This course is offered spring semester of odd numbered years. Prerequisite: one 20000-level literature course.

ENG 33300 Shakespeare (3) (GE-Lit) This course is an introduction to Shakespeare's plays through a representative sample of the comedies, histories, tragedies, and romances. In addition to the dramatic literature, the course may include readings from the sonnets and other poetry. This course is offered spring semester only. Prerequisite: one 20000-level literature course.

ENG 33500 Modern Drama (3) (GE-Lit/CrsClc) This course is a study of directions in modern and contemporary drama from Ibsen to the present, including realistic, naturalistic, symbolist, poetic, expressionist, existentialist, "epic," and experimental plays. Not open to students with credit in TA 33500. This course is offered fall semester of odd numbered years. Prerequisite: one 20000-level literature course.

ENG 33700 Survey of American Literature (3) (GE-Lit) This course is an advanced survey of major writers and movements in American Literature from the colonial period to the present. This course is offered spring semester only. Prerequisite: one 20000-level literature course.

ENG 33800 Medieval English Literature (3) (GE-Lit) This course includes readings in Old- and Middle-English literature to 1500 (exclusive of Chaucer). Lyric, narrative, and dramatic works from *Beowulf* to Malory's *Morte D'arthur* are studied in their cultural, literary, and linguistic contexts. This course is offered spring semester of even numbered years. Prerequisite: one 20000-level literature course.

ENG 33900 Renaissance English Literature (3) (GE-Lit) This course includes readings from 16th- and 17th-century poetry, prose, and non-Shakespearean drama. Major poets from Spenser to Milton, the origins and development of prose fiction, the

literary influence of the King James Bible, and major dramatists from Marlowe to Jonson are studied in representative works. This course is offered fall semester of even numbered years. Prerequisite: one 20000-level literature course.

ENG 34000 Advanced Creative Non-Fiction Writing (3) Students will practice writing popular non-fiction articles for magazines with emphasis on targeting and selling articles to publications. This course is offered fall semester of even numbered years. Prerequisites: ENG 17000 with a "C" or better.

ENG 34100 Restoration and 18th-Century Literature (3) (GE-Lit) This course includes selected readings in Neo-Classical English poetry, prose, and drama from the re-opening of the theaters in 1660 through the Augustan Age and the Age of Johnson. Authors include Dryden, Defoe, Gay, Swift, Pope, Johnson, and Sheridan. This course is offered fall semester of odd numbered years. Prerequisite: one 20000-level literature course.

ENG 34200 English Romantic Literature (3) (GE-Lit) This course is a study of English prose and poetry from approximately 1770 to 1832. Major works are studied in conjunction with their socioeconomic, historical, and political backgrounds. This course is offered intermittently. Prerequisite: one 20000-level literature course.

ENG 34300 Victorian Literature (3) (GE-Lit) This course examines representative works of English literature from 1832 to 1901. These works are studied in their cultural contexts with special attention given to doubts and hopes raised by the new science, the implications of the Industrial Revolution, and the rise of a new middle-class audience. This course is offered intermittently. Prerequisite: one 20000-level literature course

ENG 34700 Topics in American Literature (3) (GE-Lit) The specific topic of this course will be announced at time of registration. The course may focus on a specific genre (e.g., poetry, novel), author, or theme. This course is offered fall semester only. Prerequisite: one 20000-level literature course.

ENG 35100 Modern Poetry (3) (GE-Lit) This course is a study of poetry from 1900 to the present, principally English and American but may include selections in translation from other cultures. Readings include poetry representing the growing importance of women and other writers who have not previously been in the mainstream of poetic tradition. This course is offered intermittently. Prerequisite: one 20000-level literature course.

ENG 35800 Writer's Market (1) This course focuses on practical strategies to help students market their work, including how to research various markets and write effective query letters. This course is offered spring semester of even numbered years. Prerequisite: ENG 31100.

ENG 37200 Modern Grammar (3) This course is an intensive study of the nature and structure of the English language with emphasis on recent developments in linguistic analysis, but with coverage also of traditional grammar. This course is offered fall semester only. Prerequisites: ENG 17000 with a "C" or better and Junior standing.

ENG 38000 Advanced Topics in Literature (3) (GE-Lit) This course is a concentrated study and analysis of specific authors, genres, or topics in English, American, and world literatures. The course may be repeated as topics vary. This course is offered intermittently. Prerequisites: ENG 17000 with a "C" or better.

ENG 38100 Advanced Topics in Literature (3) (GE-Lit/CrsClt) This course is a concentrated study and analysis of specific authors, genres, or topics in English, American, and world literatures. The course may be repeated as topics vary. This course is offered intermittently. Prerequisites: ENG 17000 with a “C” or better.

ENG 38200 Advanced Topics in English (3) This course is designed to study various topics in English other than literature related topics. The course may be repeated as topics vary. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better.

ENG 39100 Advanced Fiction Writing (3) This fiction workshop is intended for students with some experience as writers. The course will allow students to explore a variety of storytelling modes and to experiment with the techniques most appropriate to those different modes. This course is offered intermittently. Prerequisite: ENG 21100.

ENG 40400 History of the English Language (3) This course is an introduction to the study of the English language. The phonology, history, and grammar of English are examined in the context of cultural, social, and political history with attention also to current linguistic theory. This course is offered fall semester only. Prerequisites: ENG 17000 with a “C” or better and Junior standing.

ENG 45400 Criticism (3) This course examines the major schools of literary theory. Readings will include classic and contemporary texts; students will study the contexts of criticism and apply the theories they learn to various literary texts. This course is offered spring semester only. Prerequisite: 6 hours of literature.

ENG 47000 Seminar in Writing (3) Students complete a portfolio project demonstrating that they have achieved a significant level of mastery in one of the principal genres. Portfolios typically consist of a collection of a dozen or more poems; 2-to-4 short stories, one-act plays, or non-fiction pieces; or a novella-length work of fiction, a full-length play, or an equivalent feature-length television or film script. During the course students develop their work through successive revisions until, in the instructor’s judgment, the required level of mastery has been obtained. This course is offered spring semester of even numbered years. Prerequisite: ENG 31100.

ENTREPRENEURIAL STUDIES

ENTR 17590 Special Topics in Entrepreneurial Studies (1-3) This course explores unique entrepreneurial topics and is designed to enhance the entrepreneurial studies education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

ENTR 27590 Special Topics in Entrepreneurial Studies (1-3) This course explores unique entrepreneurial topics and is designed to enhance the entrepreneurial studies education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

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. Offered fall semester only. Prerequisites: a grade of C or better in ACCT 21010 and MRKT 35010.

ENTR 37590 Special Topics 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

ENTR 37591 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & 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. Offered fall semester only. Prerequisite: a grade of C or better in FIN 32000.

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. Offered spring semester only. Prerequisites: a grade of C or better in ACCT 21010 and MRKT 35010.

ENTR 47590 Special Topics in Entrepreneurial Studies (3) This course explores unique entrepreneurial topics and is designed to enhance the entrepreneurial studies education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

ENTR 47591 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

ENTR 47595 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

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. Course offered intermittently. Prerequisite: Junior status and permission of dean.

ENGLISH PREPAREDNESS PROGRAM

EPP 10000 Basic English Grammar for Non-Native Speakers (3) This course is designed for non-native English speakers who need a review of basic English grammar rules, with attention given to form, meaning, and use. Students will apply rules through reading and writing activities and assignments. Offered every semester. Prerequisite: Placement and non-native English speaker.

EPP 10100 Advanced English Grammar for Non-Native Speakers (3) This course provides non-native English speakers with additional intensive review of intermediate and advanced English grammar, with emphasis on application of rules through academic reading and writing assignments. Offered every semester. Prerequisite: Placement and non-native English speaker

EPP 10500 Reading and Writing for Non-Native Speakers (6) This course will give non-native speakers the opportunity to develop English language skills needed to succeed in college courses. Assignments will focus on developing English proficiency, with emphasis placed on developing reading and writing skills. Additional hours with an English conversation partner may be required. A grade of "C" is required for advancing from this course. If the student fails to achieve a "C," he or she will have to retake the course next semester. Offered every semester. Prerequisite: Placement and non-native English speaker

EPP 10600 Reading and Writing for Non-Native Speakers II (6) This course is designed to further develop reading and writing skills of non-native English speakers. Instruction in this course will focus on preparing students for academic courses through assignments aimed at developing reading strategies and writing techniques. Additional hours with an English conversation partner may be required. A grade of "C" is required for advancing from this course. If the student fails to achieve a "C" he or she will have to retake the course next semester. Offered every semester. Prerequisite: Placement and non-native English speaker, or a C or better in EPP 10500.

EPP 11000 Academic Writing for Non-Native Speakers (3) This course is designed for non-native English speakers who are not yet prepared to enter ENG 15000 English Composition I or EPP 15000 English Composition I. 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" he or she will have to retake the course next semester. Offered every semester. Prerequisite: Placement and non-native English speaker, or a C or better in EPP 10500 or EPP 10600.

EPP 12000 Spoken Communication and Pronunciation for Non-Native Speakers (3) This course will provide non-native English speakers opportunities to improve their comprehensibility in communicating in English. The course will provide practice in stress, rhythm, and intonation patterns, and in troublesome consonant and vowel sounds through various means, including class presentations and public speeches. Offered every semester. Prerequisite: Placement and non-native English speaker

EPP 15000 English Composition I for Non-Native Speakers (3) (GE-Eng) This course follows the same general guidelines as other sections of Composition I, using the same texts and requiring the same amount of academic writing. However, the class will be designed to meet the needs and concerns of non-native English speakers. This course fulfills the ENG 15000 Composition I GE requirement and is equivalent to ENG 15000. Offered every semester. Prerequisite: Placement and non-native English speaker, or a C or better in EPP 11000.

EARTH SCIENCES

ESC 10000 Physical Geology with Lab (4) (GE-EarthSci) This course focuses on the study of the earth to include its component materials, the physical and chemical changes that take place internally and surficially, 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. Lab fee required. Course offered every semester.

ESC 10500 Survey of Geology (3) (GE-EarthSci) This is a non-lab 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. Course offered intermittently.

ESC 11000 Introductory Meteorology (3) (GE-EarthSci) 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. Course offered every semester.

ESC 11100 Meteorology Lab (1) (GE-EarthSci) 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. Concurrent enrollment in ESC 11000. Lab fee required. Course offered intermittently.

ESC 12000 Oceanography (3) (GE-EarthSci) 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. Course offered intermittently.

ESC 13000 Introductory Astronomy (3) (GE-EarthSci) 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. Course offered every semester.

ESC 13100 Astronomy Lab (1) (GE-EarthSci) 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. Lab fee required. Course offered intermittently.

ESC 20000 Introduction to Geographic Information Systems (3) This course introduces basic concepts necessary to an understanding of geographic information systems including its purpose, hardware, software, databases, and application. ArcView 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. Lab fee required. Course offered in Fall semester only. Not open to students with credit in GEO 20000. Prerequisite: MIS 14000 or equivalent experience with spreadsheet software.

EXERCISE SCIENCE

EXS 25000 Foundations of Sport and Exercise Science (3) This course is an introduction to defining exercise science and giving an overview of its many components such as nutrition, biophysiology, anatomy, exercise and movement aspects. Also covered are the evolution of play and games, trends in sport and fitness, prevention and control of diseases in the work place. There will be 2 (5 hours each) observations. You can choose from areas in cardiac rehab, personal training, corporate fitness, physical therapy, chiropractic, accelerated rehabilitation and large group instruction. This course is offered in the fall/spring.

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. This course is offered in the fall/spring.

EXS 29800 Special Topics (1-3) This course is designed for interest in specific subjects related to exercise science. Lab fee may be required. This course is offered in the fall/spring. Prerequisites: permission of dean.

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, and business and marketing techniques appropriate to the delivery of new fitness programs. This course is offered in the fall. Prerequisite: EXS 25000.

EXS 32500 Biomechanics (3) This course provides extensive information and application of physiological laws and human movement analysis. Topics discussed will include Newton's Law, ground and fluid forces, power, energy, torque, levers and gravity. Projects of analyzing sport skills will be performed. This course is offered in the spring. Prerequisite: PE 31000, PE

31500, PE 31600 and EXS 31600.

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. This course is offered in the spring. Prerequisite: PE31500 or permission of instructor.

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. This course is offered in the fall. Prerequisites: BIO 12100, and junior standing.

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. This course is offered in the spring. Prerequisite: PE 35600.

EXS 39500 Exercise Testing (4) 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 cardiorespiratory 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. This course is offered in the fall/spring. Prerequisites: PE 30500, PE 31000, PR 31500, PE 31600

EXS 39800 Special Topics (1-3) This course is designed for interest in specific subjects related to exercise science. Lab fee may be required. This course is offered in the fall/spring. Prerequisites: permission of dean.

EXS 41000 Exercise Prescription and Implementation (4) This course is designed for the student to explore techniques and strategies used for designing, implementing, and managing specific exercise, health & 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. This course is offered in the fall/spring. Prerequisites: EXS 39000

EXS 43000 Physical Activity for Specific Populations (3) This course will explore the fitness professional's role in planning and implementing fitness programs for special populations. Students will understand the many considerations and limitations of special populations as it relates to their ability to be physically active. Development in children, risk factors in the geriatric population, ethnic and cultural differences, medication and medical conditions, and those with disabilities will be discussed. This course is offered in the spring. Prerequisite: EXS 39500, and senior standing. Lab fee required.

EXS 44000 Internships (3-6) This internships will be completed in the area of interest of the student. 50 hours per credit. There is a minimum of 150 hours, maximum of 300. This course is offered in the fall/spring. Prerequisite: Senior Standing, EXS 41000.

EXS 45000 Exam Preparation and Lab (4) 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. This course is offered in the fall. Prerequisite: senior standing. Lab fee required.

FASHION DESIGN

FD 10100 Fundamentals of Sewing for Design (3) This course is designed to teach the fundamentals of sewing and construction. This course is not project based but rather emphasizes basic techniques, operation of various machines used in garment construction, and the elements of hand sewing. Students wishing to major in Fashion Design must pass a proficiency test in sewing or take this course before they move on to the core classes required for the BA or BFA in Fashion Design. The course is open to all students. Lab fee required. Offered fall semester only.

FD 21200 Beginning Costume and Fashion Design Studio (3) This course focused on the basic components of clothing and Costume construction techniques. Studio feature of the class will provide students in Theatre and Fashion Design opportunities to work together and within their specific areas of study on various projects. Studio fee may apply. NOT OPEN TO STUDENTS WITH CREDIT IN TA 21200. Lab fee required. Offered every semester. Prerequisite: sewing proficiency or completion of FD 10100. Co-requisite: FD 23000.

FD 23000 Patternmaking I (3) This course focused on the development of the basic sloper for patternmaking and its manipulation to create original designs by the flat pattern method. Not open to students with credit in TA 23000. Studio fee may apply. Offered Fall semester only. Co-requisite: FD 21200.

FD 23500 Patternmaking II (3) This course is a continuation of sloper manipulation for flat pattern design. Studio fee may apply. Not open to students with credit in TA 23500. Offered spring semester only. Prerequisite: FD 23000.

FD 26000 Fashion Show Production I (3) This course introduces students to the basic processes involved in planning and presenting a fashion show. This is a hands-on learning experience for students enrolled in this course: they will participate in planning and presenting the Spring fashion shows. This course will be taught concurrently with FD 36000 and FD 46000. Offered spring semester only. Prerequisite: permission of dean.

FD 30900 Intermediate Costume and Fashion Design Studio (3) This studio course introduces the student to the process of creating original designs. Studio fee may apply. Offered Spring semester only. Prerequisites: FD 21200/TA 21200, FD 23000.

FD 34000 Fashion Draping (3) This course focuses on different methods and principles involved in draping fabric on the dress form to create original designs. Projects begin with a draping plan and fashion sketches to identify the creative elements and determine the draping technique required. Studio fee may apply. Offered fall semester only. Prerequisites: FD 23500.

FD 35000 Computer-Aided Design I: Flats, Illustrations (3) This course focuses on the use of the computer to produce fashion related materials, designs, etc. Studio fee may apply. Offered Fall semester only. Prerequisites: ART 12000 and permission of dean.

FD 35100 Computer-Aided Design II: Textile Design (3) This course is focused on textile designing to create prints, patterns, and woven textile fabric and other fashion related design materials using U-4ia software. Students will be required to build a miniportfolio. Studio fee may apply. Offered spring semester only. Prerequisite: FD 35000.

FD 35200 Computer-Aided Patternmaking (3) This course teaches patternmaking, grading, and marker making in CAD. The course will also focus on pattern designing, grading, detailing, and pattern layout. Students will have the experience of using the operative tools actually employed by professionals in the fashion industry. Studio fee may apply. Offered fall semester only. Prerequisites: FD 23000/TA 23000 and FD 23500/TA 23500.

FD 36000 Fashion Show Production II (3) This course focuses on the planning and presentation of the Spring professional and high school fashion shows. Students in this section may take on supervisory and/or managerial functions with regard to producing the Spring fashion shows. FD 36000 will be taught concurrently with FD 26000 and FD 46000. Breakout sessions will be held for students in FD 36000 to discuss the analysis of fashion show formats for a more in-depth understanding of the production process. Offered Spring semester only. Prerequisite: FD 26000.

FD 37600 Fashion Accessories (3) This course is designed to introduce 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 in this class may vary from semester to semester. Studio fee may apply. Offered Spring semester only. Prerequisite: FD 21200/TA 21200.

FD 38000 Production Design Practicum (3) This course offers practical experience designing for an existing company. The company's past sales history and current fashion trends will be researched and a sample line for the up-coming season will be designed and constructed. Students will merchandise the line, and the finished product line will be critiqued. Studio fee may apply. Offered Fall semester only. Prerequisites: FD 23500/TA 23500 and FD 30900/TA 30900.

FD 40500 Advanced Fashion- Mini Collections (3) This course focuses on the design, construction, and merchandising of a coordinated line of clothing. Studio fee may apply. Offered Fall semester only. Prerequisites: FD 23500 and FD 30900.

FD 45000 Portfolio Design (3) This class is designed to teach fashion students how to create a professional fashion portfolio. The emphasis of this course will be on the further development of illustration skills and various media and presentation techniques. Studio fee may apply. Offered Fall semester only. Prerequisites: ART 31600 and junior standing.

FD 46000 Fashion Show Production III (3) In this advanced class of the fashion show production series, students will be expected to serve in supervisory and managerial capacities for the production of the professional and high school fashion shows presented in the Spring. Planning sessions with faculty and other

individuals involved in the process will be held outside of class time. This course will be offered concurrently with FD 26000 and FD 36000. Offered Spring semester only. Prerequisite: FD 36000 or permission of dean.

FD 46500 Fashion Internship (3-6) This course offers supervised work experience for the advanced student. A minimum of 200 hours (for 3 hours of credit) in a professional work environment is required as well as a successful evaluation from the student's on-site supervisor. May be repeated with departmental permission, as applied to a flat surface. The student will learn how these variables can positively affect the dynamics of these surfaces. Offered every semester. Prerequisite: Junior standing and permission of dean.

FD 49900 Senior Project (3) All students in their senior year must enroll in this course which is a culmination of their work. Each student will meet in consultation with a faculty member to develop his/her senior project. Majors will be expected to design and execute a collection of original fashions. In all cases, a proposal for the senior project must be submitted in writing and approved by the faculty sponsor. Studio fee may be assessed. Offered Spring semester only. Prerequisite: FD 40500 or permission of dean.

FINANCE

FIN 12090 Special Topics in Finance (3) This course explores unique finance topics and is designed to enhance the finance education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

FIN 22090 Special Topics in Finance (3) This course explores unique finance topics and is designed to enhance the finance education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

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. Offered every semester. Prerequisites: a grade of C or better in ACCT 21010.

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, financial markets, valuation of securities, financial options, capital budgeting, and cost of capital. Offered every semester. Prerequisites: a grade of C or better in ECON 23030 and FIN 32000.

FIN 32013 Public Finance (3) This course focuses on public financial issues at the national, state, and local levels of government. Topics to be covered include taxation at all three levels of government, the role of the Federal Reserve Board, the impact of recession and economic recovery on public finances, and the financing of public programs. Offered spring semester only.

FIN 32020 Investments I (3) This course is a survey of the basic concepts of investing with an emphasis on common stocks. Students will be required to prepare a report on an investment in an assigned company based on economic, industry, and company

specific factors. Offered every semester. Prerequisites: a grade of C or better in ECON 23030 and FIN 32000.

FIN 32030 Consumer Finance (3) This course surveys the economic factors and personal decisions that affect financial well being: cash and credit management, taxes, major expenditures, insurance, investments, and retirement and estate planning. Emphasis is on practical knowledge for personal financial management and serving customers of the banking, brokerage, insurance, and other consumer finance industries. Offered every semester. Prerequisites: a grade of C or better in ACCT 21010.

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. Offered fall semester only. Prerequisites: a grade of C or better in FIN 32030.

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. Offered fall semester only. Prerequisites: a grade of C or better in FIN 32030.

FIN 32040 Risk & 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. Offered spring semester only. Prerequisites: a grade of C or better in FIN 32020.

FIN 32050 Financial Institution Management (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. Offered every semester. Prerequisites: a grade of C or better in ECON 23030 and FIN 32000.

FIN 32090 Special Topics in Finance (3) This course explores unique finance topics and is designed to enhance the finance education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

FIN 32091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & 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. Offered spring semester only. Prerequisite: a grade of C or better in FIN 32000.

FIN 42020 Investments II (3) This course is a continuation of FIN 32020 Investments I and covers fixed income securities,

mutual funds, commodities, derivative securities, and portfolio management. Offered spring semester only. Prerequisites: a grade of C or better in FIN 32000.

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. Offered fall semester only. Prerequisites: senior standing, final semester.

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. Offered intermittently. Prerequisites: Senior standing and a grade of C or better in FIN 32010 and FIN 32020.

FIN 42090 Special Topics in Finance (3) This course explores unique finance topics and is designed to enhance the finance education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

FIN 42091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

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. Prerequisite: permission of advisor, dean, and internship coordinator. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

FIRE AND PARAMEDIC SCIENCE

See page 115 of this catalog for the course descriptions of all FPS courses.

FOREIGN LANGUAGES

CHINESE

FLC 10100 Elementary Chinese I (3) (GE-ForLang) 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. This course is offered fall semester only.

FLC 10200 Elementary Chinese II (3) (GE-ForLang) 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. This course is offered spring semester only. Prerequisite: FLC 10100

FLC 10300 Chinese Culture (3) (GE-CrsClc) This course is designed to introduce students to various aspects of Chinese culture. This course is offered intermittently.

FRENCH

FLF 10100 Elementary French I (3) (GE-ForLang) This course is an introduction to French language and culture through reading, writing, speaking, and listening. This course is offered fall semester only.

FLF 10200 Elementary French II (3) (GE-ForLang) 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. This course is offered spring semester only. Prerequisite: FLF 10100.

FLF 10300 French Composition I (3-4) (GE-ForLang) This course is the beginning French composition to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 10400 Oral French and Phonetics I (3-4) (GE-ForLang) This course is the beginning oral expression and phonetics to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 10700 Reading Comprehension I (4) (GE-ForLang) This course leads to beginning reading comprehension in French to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 12000 Listening Comprehension I (4) (GE-ForLang) This course leads to beginning listening skills in French to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 20100 Intermediate French I (3) (GE-ForLang) This course consists of reading of modern French prose, review of syntax, and continued practice in written and oral expression. Further development of all four language skills. This course is offered fall semester only. Prerequisite: FLF 10200 or proficiency exam.

FLF 20200 Intermediate French II (3) (GE-ForLang) This course consists of reading of modern French prose, review of syntax, and continued practice in written and oral expression. Further development of all four language skills. This course is offered spring semester only. Prerequisite: FLF 20100.

FLF 20300 French Composition II (3-4) (GE-ForLang) This course is the intermediate French composition to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 20400 Oral French and Phonetics II (3-4) (GE-ForLang) This course is the intermediate oral expressions and phonetics to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 20700 Reading Comprehension II (4) (GE-ForLang) This course leads to intermediate reading comprehension in French to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 21000 French Phonetics (1-3) (GE-ForLang) This course is the study of the key intonation patterns of French in order to improve French pronunciation and spelling. Historical study of the linguistic development of the language. Exercises based on various literary texts. Repeatable for credit. This course is offered every semester. Prerequisite: FLF 10200.

FLF 22000 Listening Comprehension II (4) (GE-ForLang) This course leads to intermediate listening skills in French to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 30300 French Composition III (3-4) (GE-ForLang) This course is the advanced French composition to be taken at the Université de Caen. Student must consult with program advisor for placement.

FLF 30400 Oral French and Phonetics III (3-4) (GE-ForLang) This course is the advanced oral expressions and phonetics to be taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 30600 French Civilization and Contemporary Culture (1-3) (GE-ForLang) This intermediate advanced survey course of French civilization and contemporary culture is taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 30700 Advanced French Grammar (1-3) (GE-ForLang) This advanced grammar course is designed to review and deepen the student's mastery of French grammar so as to facilitate the ability to understand both the written and spoken language. This course is taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 30800 Introduction to French Literature (1-3) (GE-ForLang) This survey of French literary texts from various genres and eras is taken at the Université de Caen. Student must consult with program advisor for placement. This course is offered every semester.

FLF 30900 Special Topics (5) (GE-ForLang) Students placing at more advanced levels at the Université de Caen will select an area of interest in which to take 5 hours of specialized coursework. To be taken at the Université de Caen. Student must consult with program advisor for placement. Lab fee may be required. This course is offered every semester.

FLF 31100 French Conversation and Composition I (3) (GE-ForLang) This course is a systematic grammar review and vocabulary building with readings, oral reports, and written composition on topics of current interest. This course is offered spring semester only. Prerequisite: credit or concurrent enrollment in FLF 20200 or proficiency at the appropriate level.

FLF 31200 French Conversation and Composition II (3) (GE-ForLang) This course is a systematic grammar review and vocabulary building with readings, oral reports, and written composition on topics of current interest. This course is offered fall semester only. Prerequisite: FLF 20200.

FLF 32000 France: Museums, Monuments and Culture (3) (GE-CrsClit) This course is designed so that the student may study directly the various museums and historical monuments

of France, as well as participate in an immersive cultural and linguistic experience. The course may include a study of a particular region, such as the castles of the Loire Valley, or an in-depth study of the various museums and monuments of Paris. Students will travel to the area of study to continue their research and to practice their communicative skills. This course is offered intermittently.

FLF 33700 History of French Civilization (3) (GE-CrsClit) This course offers a survey of the social, cultural, and political history of France from the Middle Ages to the present with emphasis on the major intellectual and artistic contributions of France to the Western World. Taught in French. This course is offered fall semester only. Prerequisite: FLF 20200 or proficiency.

FLF 35000 Masterpieces of French Literature to 1800 (3) (GE-CrsClit) Students will analyze readings from selected works of prose, poetry, and drama from the Middle Ages through the 18th century. Taught in French. This course is offered fall semester only. Prerequisite: FLF 31100.

FLF 35100 Masterpieces of French Literature since 1800 (3) (GE-CrsClit) Students will analyze readings of selected works of prose, poetry, and drama from the 19th century to the present. Taught in French. This course is offered spring semester only. Prerequisite: FLF 31100.

FLF 36000 Speaking of Art: The Pulitzer Project (3) (GE-CrsClit) Advanced students in French train to give guided tours, in French, of exhibits at the Pulitzer Foundation for the Arts in St. Louis while studying the artists and movements associated with the exhibit. Tours are given primarily to area high school French students, but also can be given to students from other universities and to the general public. Can be taken more than once for credit. This course is offered intermittently. Prerequisite: Permission of dean.

FLF 38000 Special Topics: (3) This course is designed for individualized study of specific topics within the field of French language, culture, and literature, as needed, and in consultation with French faculty. Course is taught in French. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Prerequisites: FLF 35000; FLF 35100; and permission of dean.

FLF 38100 Special Topics: (3) (GE-ForLang) This course is designed for individualized study of specific topics within the field of French language, culture, and literature, as needed, and in consultation with French faculty. This course is taught in French. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Prerequisites: FLF 35000; FLF 35100; and permission of dean.

FLF 38200 Special Topics: (3) (GE-CrsClit) This course is designed for individualized study of specific topics within the field of French language, culture, and literature, as needed, and in consultation with French faculty. This course is taught in French. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Prerequisites: FLF 35000; FLF 35100; and permission of dean.

FLF 40000 Seminar on Selected Authors and Genres of French Literature (3) (GE-CrsClit) This course is a concentrated study and analysis of a genre and its representative authors, their major works, and influence. The content of the course varies and will

present in rotation different periods of French Literature. It may be repeated for credit as topics vary. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

FLF 41000 Seventeenth-Century French Theatre (3) (GE-CrsClf)

This course will examine important works of seventeenth-century French theatre: tragedies by Corneille and Racine and comedies by Molière. The examination of these works will be set in the social and historical contexts in which they were written. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

FLF 41100 Rise of the French Novel (3) (GE-CrsClf) This course will examine the novel as genre from its beginnings in the seventeenth century through the end of the eighteenth century, at which time it had come to be accepted as a legitimate literary form. Students will increase their familiarity with the literature of this period while improving their skills in literary analysis. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

FLF 41200 French and Francophone Women Writers (3) (GE-CrsClf)

This course will examine the works of a large number of women writing in French from the Middle Ages to the end of the 20th century. This examination will take place in the light of issues central to feminist and cultural criticism and will focus on relations between sexual identity and literary practices, between gender and genre and between politics and poetics. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

FLF 41300 Twentieth-Century French Theatre (3) (GE-CrsClf) This course will examine the theory and practice of 20th-century French theatre. Students will study the ways these plays reflect the historical context in which they were written and the concepts of various literary movements of the 20th century, such as Existentialism or the Theatre of the Absurd. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

FLF 41400 French Autobiography (3) (GE-CrsClf) This course will examine autobiography as a modern genre, slippery as that genre may be. We will examine the balance of reality and fiction within autobiography. Students will analyze the difficulties autobiographers encounter as they attempt to reconstruct the past and recreate their past selves through the text. Autobiographies studied may include those of Sartre, de Beauvoir, Sarraute, Duras, Ernaux, and others. Taught in French. This course is offered intermittently. Prerequisite: ENG 17000; FLF 31100.

GERMAN

FLG 10100 Elementary German I (3) (GE-ForLang) 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. This course is offered fall semester only.

FLG 10200 Elementary German II (3) (GE-ForLang) This course is an introduction to the fundamentals of the language and mastery of the basic principles, emphasis on speaking and reading comprehension. This course is offered spring semester only. Prerequisite: FLG 10100.

FLG 20100 Intermediate German I (3) (GE-ForLang) This course is a review of grammar and a study of linguistic, phonetic, and syntactical problems through reading and discussion of modern German prose. This course is offered fall semester only. Prerequisite: FLG 10200 or proficiency.

FLG 20200 Intermediate German II (3) (GE-ForLang) This course is a review of grammar and study of linguistic, phonetic, and syntactical problems by reading and discussion of modern German prose. This course is offered spring semester only. Prerequisite: FLG 20100.

FLG 31100 German Conversation and Composition I (3) (GE-ForLang) 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. This course is offered intermittently. Prerequisite: FLG 20200.

FLG 31200 German Conversation and Composition II (3) (GE-ForLang) 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. This course is offered intermittently. Prerequisite: FLG 31100.

FLG 32000 From the Berlin Wall to the Bavarian Alps (3) (GE-CrsClf) This course is designed to give students the opportunity to study directly the history and culture of two major German cities, Berlin and Munich, and to immerse students in German language and culture. Students will research a particular site prior to traveling to the two cities (and several smaller ones as well) to continue their research and to practice their communication skills. This course is offered intermittently.

FLG 38000 Special Topics in German: (3) This course is designed for individualized study of specific topics within the field of German language, culture, and literature, as needed, and in consultation with German faculty. This course is taught in German. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Permission of dean.

FLG 38100 Special Topics in German: (3) (GE-ForLang) This course is designed for individualized study of specific topics within the field of German language, culture, and literature, as needed, and in consultation with German faculty. This course is taught in German. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Permission of dean.

FLG 38200 Special Topics in German: (3) (GE-CrsClf) This course is designed for individualized study of specific topics within the field of German language, culture, and literature, as needed, and in consultation with German faculty. This course is taught in German. This course may be repeated, if circumstances require. Lab fee may be required. This course is offered intermittently. Permission of dean.

SPANISH

FLS 10100 Elementary Spanish I (3) (GE-ForLang) This beginning course in Spanish is taught by the audio-lingual method, but with concurrent development of all four language skills: listening

comprehension, speaking, reading, and writing. Integrated laboratory experience. This course is offered every semester.

FLS 10200 Elementary Spanish II (3) (GE-ForLang) This beginning course in Spanish taught by the audio-lingual method, but with concurrent development of all four language skills: listening comprehension, speaking, reading, and writing. Integrated laboratory experience. This course is offered every semester. Prerequisite: FLS 10100.

FLS 20100 Intermediate Spanish I (3) (GE-ForLang) This course is an intensive review course, designed to give the student a command of basic grammatical structures, to increase vocabulary and fluency through reading and through oral and written analysis of short literary and cultural selections. This course is offered every semester. Prerequisite: FLS 10200 or proficiency.

FLS 20200 Intermediate Spanish II (3) (GE-ForLang) This intensive review course is designed to 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. This course is offered every semester. Prerequisite: FLS 20100.

FLS 20300 Intermediate Spanish Composition and Reading (3) (GE-CrsClc) This intensive composition course, taken in Costa Rica, is designed to develop and enrich the student's writing skills in Spanish through practical applications of writing, reading and editing skills. This course is offered spring semester only. Prerequisite: FLS 20100.

FLS 23700 Costa Rica Through History (3) (GE-CrsClc) This intensive course, taken in Costa Rica, is designed for the Intermediate student and will provide a survey of the history of Costa Rica. This course is offered spring semester only. Prerequisite: FLS 20100 or permission of dean.

FLS 28000 Special Topics (3) (Intermediate Level) This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. This course may be repeated as topics vary. Lab fee may be required. This course is offered intermittently.

FLS 31100 Advanced Oral Expression and Grammar I (3) (GE-ForLang) This course offers further development in aural comprehension and oral expression through systematic grammar review, reading and analysis of cultural and literary materials and includes group discussion, formal and informal, oral and written presentations. This course is offered every semester. Prerequisite: credit or concurrent enrollment in FLS 20200.

FLS 31200 Advanced Oral Expression and Grammar II (3) (GE-ForLang) This course offers further development in aural comprehension and oral expression through systematic grammar review, reading and analysis of cultural and literary materials and includes group discussion, formal and informal, oral and written presentations. This course is offered every semester. Prerequisite: FLS 31100 or permission of dean.

FLS 31300 Advanced Spanish Composition Workshop (3) This intensive composition course, taken in Costa Rica, is designed to polish the student's writing skills in Spanish through practical applications of writing, reading, and editing skills. This course is offered spring semester only. Prerequisite: FLS 31200.

FLS 31400 Introduction to Spanish Linguistics (3) This intensive course, taken in Costa Rica, introduces the student to the many major linguistic concepts of Spanish linguistics, including phonetics, phonology, morphology, and syntax. The course will also explore the Costa Rican dialects. This course is offered spring semester only. Prerequisite: FLS 31200.

FLS 32000 Travel Experience in Spanish-speaking Nations (3) (GE-CrsClc) This course is designed to offer the student the opportunity to experience and learn firsthand about the many aspects of life in Spanish-speaking nations. Several places of historical, cultural, and social importance will be visited. Location will be announced in advance. This course is offered intermittently.

FLS 33500 Peninsular Spanish Culture and Civilization (3) (GE-CrsClc) This course studies the historical, cultural, and folkloric sources of the life and customs of the Spanish peoples. Emphasis is on the social, economic, and intellectual life of Spain today. Taught in Spanish. This course is offered fall semester only. Prerequisite: FLS 20200 or proficiency.

FLS 33600 Latin American Culture and Civilization (3) (GE-CrsClc) This course is a study of historical, cultural, and folkloric sources of the life and customs of the Latin American peoples with emphasis on the social, economic, and intellectual life of Latin America today. Taught in Spanish. This course is offered spring semester only. Prerequisite: FLS 20200 or proficiency.

FLS 33700 Costa Rica: History and Society of 19th and 20th Centuries (3) (GE-CrsClc) This intensive course, taken in Costa Rica, will provide a survey of the history and society of Costa Rica from the 19th and 20th centuries, with emphasis on politics and environmental and women issues. Prerequisite: FLS 31200 or permission of dean.

FLS 35000 Masterpieces of Peninsular Spanish Literature (3) (GE-CrsClc) Students will analyze readings of selected works of prose, poetry, and drama from the Middle Ages to the present. This course is offered fall semester only. Prerequisite: FLS 31100 or permission of dean.

FLS 35100 Masterpieces of Spanish-American Literature (3) (GE-CrsClc) Students will analyze readings of selected works of prose, poetry, and drama from the colonial period to the present. This course is offered spring semester only. Prerequisite: FLS 31100 or permission of dean.

FLS 36000 (GE-CrsClc) Literature of Costa Rica (3) This intensive course, taken in Costa Rica, will examine works of prose, poetry and drama written by important Costa Rican writers of the 19th and 20th centuries. Students will increase their familiarity with the literature of this country while improving their skills in literary analysis. This course is offered spring semester only. Prerequisite: FLS 31200 or permission of dean.

FLS 36100 Latin American Theater (3) (GE-CrsClc) This intensive course, taken in Costa Rica, will introduce the many concepts of drama analysis through reading and analysis of several major Latin American plays. The student will also study the ways these plays reflect the historical context in which they were written and the concepts of various literary movements. This course is offered spring semester only. Prerequisite: FLS 31200 or permission of dean.

FLS 36200 (GE-CrsClt) Literature of the Spanish Conquest Period

(3) This intensive course, taken in Costa Rica, will examine selected works of the Spanish Conquest period. The analysis of these works will be set in the social and historical contexts in which they were written. This course is offered spring semester only. Prerequisite: FLS 31200 or permission of dean.

FLS 36300 Literature of the Spanish Language: Open Topics (3)

(GE-CrsClt) This course, taken in Costa Rica, offers concentrated study and analysis of a genre and its representative authors, their major works and influence. The content of the course is open and may vary to present in rotation different periods of Spanish Literature. This course is offered intermittently. Prerequisite: FLS 31200 or permission of dean.

FLS 36400 Latin American History in Film (3) (GE-CrsClt) This course explores, from the professional historian's perspective, the dramatic treatment of several important episodes and personalities in Latin American history as presented in some of the "classics" of this genre. Students will heighten their awareness both of specific historical periods of the region and of the problems inherent in their visual interpretation. The course is conducted in English. The text is in English, and the films to be viewed are either in English or in Spanish (in one case, German) with English subtitles. This course is offered intermittently.

FLS 38000 Special Topics in Spanish (3) This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. This course may be repeated, if circumstances require. This course is offered intermittently. Prerequisites: FLS 35000; FLF 35100; and permission of dean.

FLS 38100 Special Topics in Spanish (3) (GE-ForLang) This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. This course may be repeated, if circumstances require. This course is offered intermittently. Prerequisites: FLS 35000; FLF 35100; and permission of dean.

FLS 38200 Special Topics in Spanish (3) (GE-CrsClt) This course is designed for individualized study of specific topics within the field of Spanish language, culture, and literature. This course may be repeated, if circumstances require. This course is offered intermittently. Prerequisites: FLS 35000; FLF 35100; and permission of dean.

FLS 40000 Seminar on Selected Authors and Genres of Spanish and Spanish-American Literatures (3) (GE-CrsClt) This course is a concentrated study and analysis of a literary genre and its representative authors, their major works and influence. The content of the course varies and will present in rotation different periods of Spanish and Spanish-American literatures. It may be repeated for credit as topics vary. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; and FLS 31100.

FLS 41200 Spanish Romanticism (3) (GE-CrsClt) This course presents the development of Romanticism from its roots in the 17th-century Enlightenment and Spanish cultural tradition to its triumph in the first half of the 19th century. The focus is historical and literary, concentrating on five principal authors and the analysis of several of their most important works. Taught in Spanish. This course is offered intermittently. Prerequisite: FLS 31100 or permission.

FLS 41300 Major Movements in the 19th-Century Spanish Novel

(3) (GE-CrsClt) This course presents the development of the two major post-Romantic literary movements of 19th-century Spain—Realism and Naturalism. Through intensive reading and analysis of several of the most important works of these two tendencies, the student will gain an understanding of the concerns of various groups of Spanish society, especially the middle class, of the second half of the 19th century. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; FLS 31100; or permission of instructor.

FLS 41500 The 20th-Century Spanish Novel (3) (GE-CrsClt) This course is a survey of the Spanish novel in the 20th century, with particular attention to the causes and effects of the Spanish Civil War, as reflected in representative works from various literary tendencies. The focus is historical and literary. Through reading and analysis, the student should gain a deeper understanding of the often violent divisions in Spanish society and politics. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; FLS 31100; or permission of the instructor.

FLS 41600 The Role of Women in Hispanic Societies (3)

(GE-CrsClt) Through reading and analysis of key works, this course examines the situation of women and how it has evolved in the Spanish speaking world. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; FLS 31100; or permission of dean.

FLS 41800 The Spanish-American Short Story (3) (GE-CrsClt)

This course examines the evolution of the short story in Spanish America from its beginnings in the 19th century to the present. The approach is historical and literary, based on the study of works representative of various literary tendencies, including romanticism, realism, naturalism, modernismo, criollismo, the avant-garde, the "boom," the "post-boom," and other contemporary phenomena. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; FLS 31100; or permission of dean.

FLS 42000 The Novel of the Mexican Revolution (3) (GE-CrsClt)

This course examines the principal aspects of the Mexican Revolution, its causes and consequences, and analyzes several of the novels that arose from the Revolution itself and from the problems that it presented for Mexico in the times that followed, up to the present. Taught in Spanish. This course is offered intermittently. Prerequisite: FLS 31100; and permission of dean.

FLS 42100 The Spanish-American Regional Novel (3) (GE-CrsClt)

Following their independence from Spain, the new nations of Spanish-America began to search for an identity that would distinguish them from their Spanish heritage, examining their unique geographic, racial, and social situations. In literature, this led first to criollismo, and then, in the mid-1920s, to regionalism. Novelistic production centered on the problems of modernity, continuing the 19th-century debate over "civilization versus barbarism," city life versus rural life, while also reflecting the new socio-historical context, which involved neo-colonialism, exploitation of workers, and the increasing influence of international capitalism. Two new genres arose: the "novela de la tierra" and "indigenista" literature. This course studies the historical and literary aspects of these impulses through the three most important novels of the land—La vorágine, Don Segundo Sombra, and Doña Bárbara, and one representative of indigenismo: Huasipungo. Taught in Spanish. This course is offered intermittently. Prerequisite: ENG 17000; FLS 31100; or permission of dean.

FIRE AND PARAMEDIC SCIENCE

FPS 30000 EMT-Basic (9) This course will teach students to assess ill and injured patients and to provide basic treatment including airway management, ventilation, oxygenation, wound management, splinting, and childbirth. This course is designed to meet the requirements to apply for registration with the National Registry of EMTs and to apply for a license as an Emergency Medical Technician in the State of Missouri. This course includes at least 40 hours of clinical duties. Course is offered over two days a week in the evening for 19 weeks in Fall and Spring Semesters. Prerequisites: BIO 10000, CHM 10000 or CHM 10100, CPR certification, criminal background check, a drug screening, and permission of the dean.

FPS 31000 Principles of Paramedicine and Pharmacology (9) This class provides the foundation for paramedic education. Training covers the history of emergency medical services; an overview of the EMS system and medical oversight; principles of research; legal and ethical concerns, review of anatomy and physiology; introduction to pathophysiology; lifespan development; therapeutic and system communications; principles of pharmacology; techniques of drug and fluid administration; and proper documentation. This course is offered in the fall semester. Prerequisite: Current MO EMT- Basic License, CHM 10000 or CHM 10100, PE 20700 or BIO 10700, junior status, and permission of the dean.

FPS 32000 Introduction to the Essentials of Firefighting (3) This course covers the basic principles of being a firefighter and is an overview of the firefighting field covering topics such as the nature of fire, the essential functions of firefighting as a career, and forensic and investigatory aspects of firefighting. This course is offered intermittently. Prerequisite: ENG 17000 and sophomore status.

FPS 33000 Cardiology (2) Students will review cardiovascular anatomy, physiology and pathophysiology. Assessment and management of the patient with cardiovascular illness will be covered in depth. The student will learn to interpret basic and 12-lead electrocardiograms and manage cardiovascular emergencies using specialized medical devices, pharmacologic agents, and therapeutic electrical interventions. Response to cardiac arrest will be reviewed in depth. This course is offered in the fall semester. Prerequisite: Junior status and permission of dean.

FPS 33500 Airway (1) This course outlines respiratory anatomy, physiology and pathophysiology; explores the interrelationship between airway, respiration, ventilation, and oxygenation. Students will learn basic and advanced skills to establish and maintain a patient's airway and ensure adequate oxygenation, respiration, and ventilation. This course is offered in the fall semester. Prerequisite: Junior status and permission of dean.

FPS 34000 Medical Emergency I (4) This course will outline pathophysiology, assessment, and management of patients with allergic, respiratory, neurologic, behavioral, infectious and endocrine emergencies. Additionally, students will learn clinical decision-making theory and skills. This course is offered in the spring semester. Prerequisite: FPS 31000 with a grade of C or better.

FPS 34100 Medical Emergency II (3) This course will outline pathophysiology, assessment and management of patients with gastrointestinal, urologic, hematologic, toxicologic, and

environmental emergencies. This course is offered in the spring semester. Prerequisite: FPS 31000 with a grade of C or better.

FPS 35000 Special Populations (3) This course will outline lifespan differences; pathophysiology, assessment and emergency management of children and older adults who are ill or injured; and of patients with gynecologic and obstetrical emergencies including normal and abnormal delivery. Students will learn pre-hospital care needed during normal and abnormal delivery and how to perform newborn resuscitation; pre-hospital response to patients who are abused or neglected; patients who have special needs; and patients undergoing acute interventions in the home environment will be reviewed. This course is offered in the spring semester. Prerequisite: FPS 31000 with a grade of C or better.

FPS 36000 Fire and Emergency Services Management (3) This course will review and examine management and leadership issues for firefighters and emergency service personnel. This course is offered intermittently. Prerequisite: ENG 17000 and sophomore status.

FPS 37000 Fire Academy I (14) Students will attend the St. Charles County Fire Academy for firefighter training. This course is offered in the spring. Prerequisite: Permission of the dean.

FPS 39300 Special Topics in Firefighting and Emergency Services (3) Selected topics offered for advanced firefighting or emergency services training. Lab fee may be required. This course is offered intermittently. Prerequisite: Junior status.

FPS 40000 Trauma (3) This course will review mechanisms of injury based knowledge of the forces that cause trauma. Assessment and management of patients injured by mechanical, thermal, electrical or chemical agents will be covered in detail. This course is offered in the summer. Prerequisite: FPS 31000 with a grade of C or better.

FPS 41000 Field Operations/Advanced Medical Care (3) The course will outline logistical and special operations considerations in the pre-hospital environment that include ambulance operations; safety; rescue; Incident Command; crime scene considerations; and hazardous materials. In addition, students will learn a complaint-based approach to assessment and management of medical conditions. This course is offered in the summer. Prerequisite: FPS 31000 with a grade of C or better.

FPS 45000 Paramedic Clinical I (2) Introduction to ambulance and hospital clinical. During this phase, students will perform basic life support skills on an ambulance. Additionally students will perform airway and ventilation management during hospital clinical experience in surgery and observe interventional cardiac procedures in the cardiac catheterization labs. This course is offered in the fall semester. Prerequisite: Junior status and FPS 31000.

FPS 45100 Paramedic Clinical II (4) The paramedic student will apply clinical knowledge and perform patient interventions under the direct supervision of a preceptor in hospital and ambulance clinical sites. The paramedic student will team lead basic life support calls, begin to team lead on selected advanced life support calls and assist the emergency care team. A minimum of 200 hours must be completed with a goal of 300 hours this semester. This course is offered in the spring semester. Prerequisite: FPS 31000 with a grade of C or better.

FPS 45200 Paramedic Clinical III (4) The paramedic student will integrate clinical knowledge and perform patient interventions under the direct supervision of a preceptor in hospital and ambulance clinical sites. The paramedic student will direct the paramedics as team leader on appropriate advanced life support calls. A minimum of 300 hours are required plus any hours not completed in Clinical I and II. This course is offered in the summer. Prerequisite: FPS 31000 with a grade of C or better.

FPS 46000 Certification Review (1) This course will provide a review and summary of cognitive knowledge and skills needed to prepare the student for the final course evaluation and for the National Registry practical and written evaluations. Prerequisite: Grade of "C" or greater in all fire and paramedic courses taken plus a current MO EMT-Basic license. Additional background check and drug screening may be necessary based on time from original check and screening. To receive license all clinical hours must be completed. This course is offered in the summer. Prerequisite: FPS 31000 with a grade of C or better.

GEOGRAPHY

GEO 20000 Introduction to Geographic Information Services (3) This course introduces basic concepts necessary to an understanding of geographic information systems including its purpose, hardware, software, databases, and application. ArcView 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. Lab fee required. This course is offered fall semester only. Not open to students with credit in ESC 20000. Prerequisite: MIS 14000 or equivalent experience with spreadsheet software.

GEO 20100 World Regional Geography (3) (GE-CrsClt) This course is a study of the major areas of the world divided along political boundaries and levels of development. Attention is given to the impact of the physical and cultural environment on the world areas and current issues in population, resource depletion, and economic disparities. This course is offered every semester. Not open to students with credit in GEO 20200. Prerequisite: ENG 17000 with a "C" or better; or permission of dean.

GEO 20200 Concepts of Geography (3) (GE-CrsClt) This course is a study of the major areas of the world divided along political boundaries and levels of development. With each world region, students will investigate the political, cultural, economic, and demographic processes at work as well as methods for incorporating this information into their elementary and high school classrooms. Not open to students with credit in GEO 20100. This course is offered fall semester only. Prerequisite: ENG 17000 with a "C" or better; EDU 10000; or permission of dean.

GEO20700 World Economic Geography (3) (GE-CrsClt) 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. This course is offered spring semester only. Prerequisite: ENG17000 with a "C" or better; or permission of dean.

GEO 28000 Special Topics (3) This course is a study of a specific topic, time period, or geographical area. It may be repeated as topics vary. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required. This course is offered intermittently. Prerequisite: ENG 17000 with a "C" or better or concurrent enrollment.

GEO 28100 Special Topics (3) (GE-CrsClt) This course is a study of a specific topic, time period, or geographical area. It may be repeated as topics vary. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required. This course is offered intermittently. Prerequisite: ENG 17000 with a "C" or better or concurrent enrollment.

GEO 28200 Special Topics (3) (GE-SocSci) This course is a study of a specific topic, time period, or geographical area. It may be repeated as topics vary. Prerequisites vary by topic and will be noted in course schedule. Lab fee may be required. This course is offered intermittently. Prerequisite: ENG 17000 with a "C" or better or concurrent enrollment.

GEO 30100 World Historical Geography (3) (GE-CrsClt) This course is designed for history majors. Using world regions as a matrix, students will investigate how the geographic perspective enhances understanding of world history. Emphasis will be placed on how geography has influenced the cultural characteristics of different regions and how historical and current interconnectivity between places is facilitated or limited by spatial variables. Not open to students with credit in GEO 20100 or GEO 20200. This course is offered intermittently. Prerequisite: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; or permission of dean.

HISTORY

HIS 10000 World History Since 1500 (3) (GE-WHis) This course is a study of the growth and interactions of world cultures and concentrates on the history of the world since 1500. The emphasis is on the interaction of the West with other civilizations after the industrial and scientific revolutions. Colonialism, imperialism, and non-Western nationalist movements will be considered, along with the development of the current world situation. All sections may be taken for Honors Program credit. Not open to students with credit in HIS 22100. This course is offered every semester. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 10500 America: Colony to Civil War (3) (GE-AmGovHis) This survey of American history begins its examination with the colonial origins of the United States and concludes with the Civil War. Political, economic, and social foundations of American development are stressed. Not open to students with credit in HIS 21500. This course is offered every semester. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 10600 America: Civil War to World Power (3) (GE-AmGovHis) This survey of American history traces the development of the United States from the Civil War to its present status as a world power. Political, economic, and social foundations of American development are stressed. Not open to students with credit in HIS 21600. This course is offered every semester. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 1550 U.S. Government: Politics and History (3)

(GE-AmGovHis) A one semester study of the development of US political and constitutional thought from its origins to the present, this course will provide students with an overview of American national government as well as the development of the constitution and the shifts in political philosophies. This course is offered every semester. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 19000-19999 Study Abroad (5-15) This course, offered at York St. John University, is a study of a specific topic of interest. The course may be repeated. This course is offered every semester. Prerequisite: HIS 26100 and permission of director of the history study abroad program.

HIS 20000 History of the Contemporary World (3) This course focuses on the post-1945 super- power rivalry, the collapse of European communism, and decolonization and revolution in the Third World. Areas of emphasis include Globalization, terrorism, revolutions, the Indochinese wars, Middle East conflicts and origins of the 21st century world. This course is offered every semester. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 20300 Historical Methods (3) This class examines 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. This course is offered every semester. Prerequisites: (HIS 10000, HIS 10500, HIS 10600, HIS 21500, HIS 21600, or HIS 22100); ENG 17000 with a “C” or better; history or American Studies major; or permission of professor.

HIS 20500 History of Asia (3) (GE-CrsClt) This survey explores the history of South, Southeast, and East Asia from the earliest times to the present. This course is offered fall semester only. Prerequisite: ENG17000 with a “C” or better or concurrent enrollment.

HIS 20700 American Military History though World War Two (3) This course is a study of the role of the military in American life during war and peace from colonial times through World War Two. Tactical, strategic, political, and economic contexts as well as technological developments are considered in attempting to understand the causes, conduct, and consequences of armed conflict. This course is offered fall semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 20900 The Nazi State (3) This course is an examination of Hitler and his Reich—the origins of National Socialism, the Nazi Revolution, and the social, cultural, and political changes that followed. This course is offered intermittently. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 21400 American Military History since 1941 (3) This course is a history of U.S. military involvement in the world since the end of World War Two. Beginning with the end of WWII and moving though to the 21st century, this class includes Korea, Vietnam, US 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. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 21500 American History to 1865 Advanced Survey (3)

(GE-AmGovHis) This course is designed for first-year history majors. This survey of American history begins its examination with pre-Columbian cultures and European contact and ends at the end of the Civil War. It will focus on not only the historical record, but also the evolving historiography of the period. The primary emphases will be on the political, economic, and social foundations of American development from European contact through the War of the Rebellion. Not open to students with credit in HIS 10500. This course is offered fall semester only. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 21600 American History Since 1865 Advanced Survey (3)

(GE-AmGovHis) This course is designed for first-year history majors. This survey of American history begins its examination with the end of the Civil War and ends with the end of the Cold War. It will focus on not only the historical record, but also the evolving historiography of the period. The primary emphases will be on the political, economic, and social foundations of American development from the start of Reconstruction to the recent past. Not open to students with credit in HIS 10600. This course is offered spring semester only. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 22000 History of Latin America (3) (GE-CrsClt) This survey examines the history of Latin America from Columbus to the present and is designed to give the student a better appreciation of Latin American cultures. The course will also examine United States- Latin American relations and their impact. This course is offered spring semester only. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 22100 Global History Since 1500 (3) (GE-WHis) This is a first-year course for history majors. Concentrating on the history of the world since 1500, it studies the growth and interactions of world cultures and the various historiographical interpretations of the past offered by historians. The emphasis is on the interaction of the West with other civilizations from the age of exploration through the scientific and industrial revolutions and into the modern world. Colonialism, imperialism, and non-Western nationalist movements will be considered, along with the development of the current world situation. Not open to students with credit in HIS 10000. This course is offered spring semester only. Prerequisite: ENG 15000 or placement in ENG 15000 or EPP 15000 or placement in EPP 15000.

HIS 22300 The Ancient and Medieval World (3) This course provides a survey of ancient and medieval world civilizations, noting the emergence of the distinct cultures of the Americas, Eurasia, and Africa and the development of connections among medieval Eurasian cultures. This course is offered fall semester only. Prerequisite: ENG 17000 with a “C” or better or concurrent enrollment.

HIS 23200 History of American Sports (3) This course will offer a survey of American sports history from the 19th century to the present. The class examines the origins of the major sports in the United States as well as a number of more minor ones. The class

also examines the role of sports in American culture and society. Not open to students with credit in AST 21200. This course is offered spring semester only.

HIS 23300 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 20200. This course is offered spring semester only.

HIS 26100 History of the British Isles (4) This course surveys the history of the British Isles, emphasizing England and Scotland. Special attention will be paid to Yorkshire and the city of York. This course, which is a prerequisite for the semester abroad to York St. John University, will also address British English vocabulary, getting around, and historical and other sites to visit. This course is offered intermittently. Prerequisite: HIS 10000 or HIS22100; HIS 20300 or concurrent enrollment; or permission of professor.

HIS 28000 Selected Topics (3) This course is a study of a specific topic, time period, geographical area, or civilization. It may be repeated as topics vary. This course is offered intermittently. Prerequisites vary by topic and will be noted in the course schedule. Prerequisite: ENG 17000 with a "C" or better or concurrent enrollment.

HIS 28200 Selected Topics (3) (GE-CrsClit) This course is a study of a specific topic, time period, geographical area, or civilization. It may be repeated as topics vary. This course is offered intermittently. Prerequisites vary by topic and will be noted in the course schedule. Prerequisite: ENG 17000 with a "C" or better or concurrent enrollment.

HIS 29000-29999 Study Abroad (5-15) This course, offered at York St. John University, is a study of a specific topic of interest. The course may be repeated. This course is offered every semester. Prerequisite: HIS 26100 and permission of director of the history study abroad program.

HIS 30100 Early Modern Europe (3) This course begins with a survey of the medieval background followed by intensive study of major themes of the evolution of European society from the Renaissance to 1815. Historiography and bibliographical research are integral to the course. This course is offered every semester. Prerequisites: HIS10000 or HIS 22100; HIS 20300; junior standing; or permission of dean.

HIS 30200 Modern Europe (3) This course covers European history from the end of the French Revolution to World War II. Historiography and research based on primary sources are integral to the course. This course is offered every semester. Prerequisites: HIS 20300; HIS 30100; junior standing; or permission of dean.

HIS 30800 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. This course is offered spring semester of even numbered years. Prerequisites: HIS 10500 or HIS 21500; ENG 17000 with a "C" or better; or permission of dean.

HIS 30900 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. This course is offered intermittently. Prerequisites: HIS 10500 or HIS 21500; ENG 17000 with a "C" or better; or permission of dean.

HIS 31000 The Civil War and Reconstruction (3) This course examines the great schism in American history and focuses on the events immediately preceding the start of the war, the military, social, and political aspects of the war, and the political and social ramifications of the immediate post-war period. This course is offered fall semester only. Prerequisites: HIS 10500 or HIS 21500; ENG 17000 with a "C" or better; or permission of dean.

HIS 31200 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. This course is offered spring semester of even numbered years. Prerequisites: HIS 10600 or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 31400 Economic History of America (3) This course will utilize the history of the United States as a method of studying economics. By examining the history of American business and economic issues, students will investigate the following: · markets and economic systems and the causes of their changes over time; · the impact of economic concepts on governmental decisions, business development, and national growth; · different segments of the economy and their evolving interdependence, and the impact of technologies and entrepreneurship on that evolutionary process; · the impact of economic decisions by business leaders, governmental officials, and workers on the American political economy; · the role of government in shaping and regulating the economy, along with the political, economic, and social consequences of that changing role. NOT OPEN TO STUDENTS WITH CREDIT IN ECON 33030. This course is offered intermittently. Prerequisites: HIS 10500, HIS 10600, HIS 21500, or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 31500 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. This course is offered fall semester of odd numbered years. Prerequisites: HIS 10500, HIS 10600, HIS 21500, or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 31600 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. This course is offered spring semester of odd numbered years. Prerequisites: HIS 10500, HIS 10600, HIS 21500, or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 31700 The Westward Movement (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. This course is offered spring semester of even numbered years. Prerequisites: HIS 10500, HIS 10600, HIS 21500, or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 31800 History of Race 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 address such questions as: How have American values shaped these peoples-and how have they dovetailed theirs with those values? How have different people come to live and work together to craft our society as it stands today? How does that give us a greater understanding of our own time? Why have different peoples come to the United States, and what impact have they had on American society? The History of Race in America will interpret the history of race relations and minority groups in the United States since the end of the Civil War. 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 colors and backgrounds live in America. This course is offered fall semester of even numbered years. Prerequisites: HIS 10500, HIS 10600, HIS 21500, or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 32000 The United States 1918-1945: Prosperity, Depression, and War (3) The course examines this era of revolutionary social, cultural and political transformation between the wars. Topics include the economic boom and cultural revolution of the 1920s, the Great Depression and the New Deal, and the World War II home front. This course is offered fall semester of odd numbered years. Prerequisites: HIS 10600 or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 32100 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. This course is offered spring semester of odd numbered years. Prerequisites:

HIS 10600 or HIS 21600; ENG 17000 with a "C" or better; or permission of dean.

HIS 32900 Church and State in Early Modern Europe (3) This class will examine the evolving relationship between the Roman Catholic and Protestant Churches and emerging nation-states of Europe. Areas of emphasis will include the political and religious implications of the Protestant and Catholic Reformations of the 16th century, the emergence of unified nation-states, and the relationship between the rise of science and rational inquiry and traditional views of political and religious authority. This course is offered intermittently. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; junior standing; or permission of dean.

HIS 33000 European Intellectual History (3) Using selections from representative thinkers, this seminar-style course examines their impact on 17th century ideas of reason and the scientific method, and then investigates the impact of these on 18th century ideas of political and social reform and on 19th and 20th century theories of human nature, history, and political systems. These thinkers include Bacon, Descartes, Hobbes, Locke, Voltaire, Rousseau, Darwin, Marx, and Freud. This course is offered spring semester of odd numbered years. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; junior standing; or permission of dean.

HIS 33200 Revolution in the Modern World (3) This seminar-style course is a comparative study of the English, American, French, Russian, Chinese, and Iranian revolutions focusing on underlying demographic, economic, intellectual, and political factors in revolutionary change as well as the internal dynamics of revolutions. This course is offered spring semester of even numbered years. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; junior standing; or permission of dean.

HIS 33600 The Civilization of Industrialism (3) This course is an examination of the industrial and scientific revolutions of the eighteenth and nineteenth centuries and their impact on economic, social, political, and intellectual life in Western Europe in the eighteenth and nineteenth centuries. This course is offered fall semester of even numbered years. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; junior standing; or permission of dean.

HIS 33800 War and Society in the Twentieth Century (3) This course will examine the causes, onsets, course, and results of the two World Wars on the twentieth-century world. The focus of the course will be on Europe, but it will include the involvement of the non-European world and the impact of the two wars on world society. This course is offered fall semester of odd numbered years. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a "C" or better; junior standing; or permission of dean.

HIS 35000 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. The course is repeatable. This course is offered every semester. Prerequisites: HIS 20300 and junior standing.

HIS 35500 Europe Since 1945 (3) This course will introduce students to recent political, economic, and cultural trends on the continent which give Europe its distinctive identity. This course

is offered spring semester only. Prerequisites: HIS 10000 or HIS 22100; ENG 17000 with a “C” or better; junior standing; or permission of dean.

HIS 38000 Selected Topics (3) This course is a concentrated study of a specific topic, time period, geographical area, or civilization. It may be repeated as topics vary. This course is offered intermittently. Prerequisites: ENG 17000 with a “C” or better; or permission of dean.

HIS 38200 Selected Topics (3) (GE-CrsClf) This course is a concentrated study of a specific topic, time period, geographical area, or civilization. It may be repeated as topics vary. This course is offered intermittently. Prerequisites: ENG 17000 with a “C” or better; or permission of dean.

HIS 39000-39999 Study Abroad (5-15) This course, offered at York St. John University, is a study of a specific topic of interest. The course may be repeated. This course is offered every semester. Prerequisite: HIS 26100 and permission of director of the history study abroad program.

HIS 40000 Comprehensive Exam (3) Students will demonstrate proficiency in United States, European, and World History via written examinations and in research methods via a written project. This course is offered every semester. Prerequisite: History majors; minimum 2.00 GPA in major courses.

HIS 45000 History Internship (3-6) This course provides students with opportunities to practically apply historians’ skills in the work world. Students will be exposed to the range of professional opportunities including museums, archives, and historical sites. The course is repeatable. This course is offered every semester. Prerequisites: HIS 20300; junior standing; and minimum 3.0 GPA.

HIT CENTER

HIT 10000 Lighten-up I (1) During this course the individual will be assessed using the latest technology to determine body composition and metabolic profile to determine a customized exercise training protocol. The class will provide an individual opportunity to lose weight properly, increase strength, increase cardiopulmonary fitness, improve balance and coordination, and decrease relative risk of heart disease, stroke and diabetes. Lab fee is to cover pre and post testing levels. Transportation to HIT Center is the responsibility of each student. This course is offered intermittently.

HIT 10100 Lighten-up II (1) During this activity course the individual will be working to improve cardiopulmonary function, increase strength and decrease risk factors related to fitness level. Workouts will be on an individual basis using a customized exercise training protocol. This course can be repeated 3 times, but cannot be used as a lifetime activity course for PE requirements. Transportation to HIT Center is the responsibility of each student. This course is offered intermittently. Prerequisite: HIT 10000.

HIT 10200 HIT FIT I (1) This course is designed for adult recreational or occupational athletes who want to perform better, regardless of age or competition level. The course will be conducted one-on-one using the latest technology to test and design a customized training program for those that want to achieve and retain a high level of fitness for recreational

competition, occupation requirements, or those that want to achieve their highest level of physical fitness. Lab fee is to cover pre and post testing levels. Transportation to HIT Center is the responsibility of each student. This course is offered intermittently.

HIT 10300 HIT FIT II (1) During this activity course the individual will continue to train at an Olympic caliber level to achieve the highest level of physical fitness. Workouts will be on an individual basis using a customized exercise training protocol. This course can be repeated 3 times, but cannot be used as a lifetime activity course for PE requirements. Transportation to HIT Center is the responsibility of each student. This course is offered intermittently. Prerequisite: HIT 10200.

HIT 10400 Bootcamp (1) This course is designed to change and challenge the human body while working in a group environment. The class will focus on cardiovascular fitness, strength training, core strengthening, and flexibility utilizing the latest technology and scientific research. All fitness levels are accepted and exercises can be modified to fit every individual’s needs. This course can be repeated 3 times, but cannot be used as a lifetime activity course for PE requirements. Transportation to HIT Center is the responsibility of each student. This course is offered every semester.

HUMAN RESOURCE MANAGEMENT

HRM 16590 Special Topics in Human Resources (3) This course explores unique human resources topics and is designed to enhance the HR education of the student. Offered intermittently. Prerequisite: varies by topic offered.

HRM 26590 Special Topics in Human Resources (1-3) This course explores unique human resources topics and is designed to enhance the HR education of the student. Offered intermittently. Prerequisite: varies by topic offered.

HRM 36500 Organizational Behavior (3) This course is designed to develop the student’s knowledge and skill in the application of behavioral science theories and concepts to organizational processes and problems. Emphasis will be on small group, intra-personal, interpersonal, inter-group, managerial, and organizational issues and problems. Offered every semester. Prerequisite: a grade of C or better in ENG 17000.

HRM 36510 Human Resource Management (3) This course examines human resource functions related to business organizations, including techniques of recruitment, training, development, compensation, placement, safety, labor-management relations, team formation, and employee security. Students will develop an understanding of the relationship between human resources and legal matters. The course will also address relevant research pertinent to human resource evaluation and the relationship of human resources to other departments within an organization. Offered every semester. Prerequisite: a grade of C or better in MGMT 26032.

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. Offered intermittently. Prerequisite: a grade of C or better in MGMT 26032.

HRM 36530 Employee Training and Development (3) This course covers the methods and roles of training in the modern organization and examines the relationship between organizational planning and training, needs analysis, program design and delivery, training methods, learning theory, learning styles, and evaluation and testing. Offered fall semester only. Prerequisite: a grade of C or better in MGMT 26032.

HRM 36540 Personnel 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. Offered spring semester only. Prerequisite: a grade of C or better in MGMT 26032.

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. Offered intermittently. Prerequisite: a grade of C or better in MGMT 26032.

HRM 36590 Special Topics in Human Resources (1-3) This course explores unique human resources topics and is designed to enhance the HR education of the student. Offered intermittently. Prerequisite: varies by topic offered.

HRM 36591 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

HRM 46590 Special Topics in Human Resources (1-3) This course explores unique human resources topics and is designed to enhance the HR education of the student. Offered intermittently. Prerequisite: varies by topic offered.

HRM 46591 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

HRM 46599 Human Resource Issues (3) This course uses the case study method wherein the student is required to analyze, synthesize, and present the case information to the class. This is the capstone class for Human Resource Majors. Offered spring semester only. Prerequisite: a grade of C or better in three HRM classes and senior standing.

INTERNATIONAL STUDIES

IS 40000 Senior Tutorial (3) The Senior Tutorial will involve specialized research by each student in a chosen field of interest in international affairs. The student will be required to write a major paper for review and evaluation by selected members of the program faculty. Regular consultation between the student and his/her principal advisor is to take place throughout the tutorial. Offered every semester.

INTERNATIONAL BUSINESS

INTL 18090 Special Topics in International Business (1-3) This course explores unique international business topics and is designed to enhance the international business education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

INTL 28090 Special Topics in International Business (1-3) This course explores unique international business topics and is designed to enhance the international business education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

INTL 38000 Global Business and Society (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. Offered every semester. Prerequisite: a grade of C or better in ENG 17000 and a grade of C or better in ECON 23030 or MGMT 26032.

INTL 38090 Special Topics in International Business (3) This course explores unique international business topics and is designed to enhance the international business education of the student. Offered intermittently. Prerequisite: varies by topic offered.

INTL 38091 Directed Studies in International Business (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

INTL 48010 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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

INTL 48020 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. Offered every semester. Prerequisite: a grade of C or better in FIN 32000.

INTL 48032 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. Offered every semester. Prerequisite: a grade of C or better in MGMT 26032

INTL 48040 International Economics (3) This course focuses on the causes and composition of international trade and policies used to control or promote it, the balance of payments as an accounting framework and as a framework for macroeconomic adjustments, and foreign exchange markets and institutions. Offered fall semester only. Prerequisite: a grade of C or better in ECON 23030.

INTL 48060 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. Offered spring semester only. Prerequisite: Junior standing.

INTL 48070 International Business and Cross-Cultural Communications (3) (GE-CrsClt) 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. Offered every semester. Prerequisite: Junior standing.

INTL 48090 Special Topics in International Business (1-3) This course explores unique international business topics and is designed to enhance the international business education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

INTL 48091 Directed Studies in International Business (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

INTL 48095 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

LINDENWOOD ORIENTATION

LUL 10100 Freshman Experience (2) As an orientation course, the purpose of this course is to introduce students to the many facets of College life and to provide the direction and support that will enhance their potential for success in their undergraduate program. The Seminar will provide information, instruction, exercises, techniques, group identity and interaction, and guidance in the four major areas of personal growth. May not be retaken for a higher grade. Lab fee required. This course is offered every semester.

LUL 10101 Honors Freshman Experience (3) As an orientation course, the purpose of this course is to introduce students to the many facets of College life and to provide the direction and support that will enhance their potential for success in their undergraduate program. A philosophical approach will be used to investigate the four major areas of personal growth. May not be retaken for a higher grade. Lab fee required.

MANAGEMENT

MGMT 16022 Introduction to Business and Free Enterprise (3) Introduction to Business and Free Enterprise is an introductory course designed to familiarize the student with the subject matter of business and how businesses function in a free environment. This course introduces students to the essentials of business activities, including managing, marketing, accounting, and finance. This course is designed to help both non-business majors and those who are considering a business major to understand the nature of various economic systems with special emphasis on the free enterprise system. This course may not be taken by business majors with senior standing. Offered every semester.

MGMT 16090 Special Topics in Management (3) This course explores unique management topics and is designed to enhance the management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

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. Offered every semester. Prerequisite: a grade of C or better in ENG 17000.

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, personal property, 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. Offered every semester. Prerequisite: a grade of C or better in ENG 17000.

MGMT 26090 Special Topics in Management (1-3) This course explores unique management topics and is designed to enhance the management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MGMT 36033 Introduction to Management Decision Science (3) This course provides an introduction to the concepts and methods of decision science with emphasis on both the art and science of decision making. An important goal is to encourage a more disciplined thinking process in the way a manager approaches management decision situations. Topics will include problem identification and definition, biases, and decision and problem solving processes. Emphasis will be given to interpretation of computer solutions that involves the application of spreadsheet modeling. Models will be used to illustrate practical applications of quantitative managerial decision making to include optimization, inventory, project management, and forecasting techniques. Lab fee required. Offered every semester. Prerequisites: a C or better in MIS 24000, MTH 14100, and MTH 13100 (or higher).

MGMT 36042 Principles of Supply Chain Management (3) This course is designed for students who are interested in the emerging field of Supply Chain Management (SCM). This introductory course is designed to familiarize the student with the subject matter of procurement, forecasting, inventory management, enterprise resource planning, quality management, location selection, and supply chain integration and performance measurement. By the end of this course, students will have a foundation in SCM, and be prepared to determine if they want to pursue a career in SCM. Offered spring semester only. Prerequisite: a grade of C or better in ECON 23020 or ECON 23030.

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. Offered every semester. Prerequisite: a grade of C or better in MGMT 26032, or instructor approval.

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; 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. Offered every semester. Prerequisite: a C or better in MGMT 26061.

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. Offered every semester. Prerequisite: Junior standing. Lab fee required.

MGMT 36090 Special Topics in Management (1-3) This course explores unique management topics and is designed to enhance the management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MGMT 36091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MGMT 46050 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. Offered every semester. Prerequisite: a grade of C or better in MGMT 26032.

MGMT 46063 Business Law III (3) This course is a comprehensive study of the major areas of law that affect the legal and social environment of business. Topics to be addressed are business ethics, constitutional law, and governmental regulation of business, administrative agencies, international trade, intellectual property rights, and cyber law. Students will utilize reading comprehension, critical thinking, writing competence, and oral communication skills to analyze diverse fact patterns from a legal prospective. The course material will be presented primarily through the Socratic Method. Offered intermittently. Prerequisite: a C or better in MGMT 26061 and ENG 17000.

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. Offered every semester. Prerequisite: Final semester of senior year. Lab fee required.

MGMT 46090 Special Topics in Management (1-3) This course explores unique management topics and is designed to enhance the management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MGMT 46091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MGMT 46095 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

MANAGEMENT INFORMATION SYSTEMS

MIS 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. Lab fee required. Offered every semester.

MIS 14090 Special Topics in Management Information Systems (1-3) This course explores unique topics in MIS and is designed to enhance the information systems education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MIS 24000 Introduction to Information Systems (3) This course introduces students to the basic design features of computers, major components of computer systems, and the impact of information technology on business organizations. Topics to be covered include hardware, software, communications and networking, database management, and systems development methodologies. Issues of computer crime and computer ethics will also be addressed. The concepts of the course are illustrated by the use of a spreadsheet, presentation graphics, and word processing software on microcomputer. World Wide Web exercises are incorporated into the course material. Lab fee required. Offered every semester.

MIS 24090 Special Topics in Management Information Systems (3) This course explores unique topics in MIS and is designed to enhance the information systems education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MIS 34010 Visual Basic.NET Programming (3) This course focuses on developing Windows applications using Visual Basic. The goal of this course is for students to learn to build Visual Basic. Net applications with multiple forms and dialog boxes, create menus and sub-menus for program control, and access

database files. Essentials of Visual Basic.Net environment are presented including objects, properties, methods, and code structures. Offered intermittently. Prerequisite: a grade of C or better in MIS 24000.

MIS 34011 Advanced Visual Basic.NET Programming (3) This is an advanced course in which students will apply their knowledge of programming language using the latest version of Visual Basic. Topics will include the structure of the language, control structures, functions, data types, object-oriented programming, external data files, sub-procedures, accessing databases, and creation of multiple forms, including radio buttons, check boxes, dropdown lists, scroll bars, list boxes, and combo boxes. Emphasis will be given to writing database programs and to the creation of class modules. Offered intermittently. Prerequisite: a grade of C or better in MIS 34010 or CSC 18400.

MIS 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 and Web applets. Some 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. Offered intermittently. Prerequisite: a grade of C or better in MIS 34010 or CSC 18400.

MIS 34050 Information Systems Programming in C++ (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++. Offered intermittently. Prerequisite: a grade of C or better in MIS 34010.

MIS 34060 COBOL Programming I (3) This course examines computer programming for business applications in structured COBOL in a PC environment. Applications using sequential file techniques are written, compiled, and executed on a microcomputer. Offered intermittently. Prerequisite: a grade of C or better in MIS 24000.

MIS 34061 COBOL Programming II (3) This course focuses on advanced computer programming topics for business applications in structured COBOL. Topics include data validation, control break logic, interactive input and output, table processing, sequential update, and index file processing. Applications using multiple input and output files are written, compiled, and executed on a microcomputer. Offered intermittently. Prerequisite: a grade of C or better in MIS 34060.

MIS 34090 Special Topics in Management Information Systems (3) This course explores unique topics in MIS and is designed to enhance the information systems education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MIS 34091 Directed Studies in Management Information Systems (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MIS 44020 Information Systems Analysis and Design (3) This course focuses on the tools and methods of systems analysis and design as well as issues relating to systems implementation. Specifically, the course will include a review of the traditional systems development life cycle methodology and a presentation of newer methods used in the field. The course will expose students to computer-aided system development tools. Offered intermittently. Prerequisite: a grade of C or better in MIS 34010.

MIS 44040 Database Management Systems (3) This course is designed for students who are interested in a management oriented introduction to database systems. Theoretical foundations necessary for the understanding of hierarchical, network, and relational models are provided. Various approaches to database design are presented, with particular emphasis on normalization and data modeling. Course concepts are reinforced through the use of cases and projects. The basics of SQL are covered, and technical aspects of database administration are examined. Offered intermittently. Prerequisite: a grade of C or better in MIS 34010. Lab fee required.

MIS 44090 Special Topics in Management Information Systems (1-3) This course explores various subject areas of current interest to information system professionals. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MIS 44091 Directed Studies in Management Information Systems (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MIS 44095 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. Offered intermittently. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

MARKETING

MRKT 15090 Special Topics in Marketing (1-3) This course explores unique marketing topics and is designed to enhance the marketing education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MRKT 25090 Special Topics in Marketing (1-3) This course explores unique marketing topics and is designed to enhance the marketing education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

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. Offered every semester. Prerequisite: a grade of C or better in ENG 170.

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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

MRKT 35030 Pricing Strategy & 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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

MRKT 35040 Advertising and Promotional Strategy (3) This course focuses on the marketing function of communicating the various promotional activities such as advertising and promotion with an emphasis on the planning, preparing, and placing the messages of integrated brand promotion. The role of the advertising agency and the dynamic role of the internet in integrated brand promotion will be explored in detail. A course project will enable students to apply the concepts discussed in the course to a real world situation. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

MRKT 35090 Special Topics in Marketing (1-3) This course explores unique marketing topics and is designed to enhance the marketing education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MRKT 35091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MRKT 45060 Relationship Marketing (3) This course introduces students to a shift in how organizations (for-profit and nonprofit) promote products, services, and ideas through relationship marketing. 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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

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. Offered every semester. Prerequisite: a grade of C or better in MRKT 35010.

MRKT 45080 Marketing Management and Planning (3) This is the capstone marketing course. 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. Offered every semester. Prerequisites: a grade of C or better in MRKT 35020, MRKT 35050, MRKT 35030, MRKT 35040, and senior standing.

MRKT 45090 Special Topics in Marketing (1-3) This course explores unique marketing topics and is designed to enhance the marketing education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

MRKT 45091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

MRKT 45095 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

MATHEMATICS

See description of all MTH coursework on page 127.

MILITARY SCIENCE (ROTC)

MS 10100 Introduction to ROTC (2) Students are encouraged to make their first new peer group at college one committed to achieving excellence and experiencing challenges that build leadership skills and self confidence. Topics/activities include life application skills, leadership characteristics, values/ethics, physical fitness, rappelling, obstacle courses, basic rifle marksmanship, small unit tactics, military map reading and first aid. This class consists of both classroom and field instruction. This course is offered in the fall semester.

MS 10200 Introduction to Leadership (2) This class is a continuation of MS 10100, but it incorporates combat water survival training, communication skills and Army Heritage. Students reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. This class also consists of both classroom and field instruction. This course is offered in the spring semester. Prerequisite: MS 10100 or permission.

MS 20100 Self/Team Development (3) In this class, students learn/ apply ethics-based leadership skills that develop individual abilities and contribute to building effective teams and develop skills in oral presentations, writing concisely, planning events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. Learn fundamentals of ROTC's Leadership Development Program. This course is offered in the fall semester. Prerequisite: MS 10200 or permission.

MS 20200 Individual/Team Military Tactics (3) This course is an introduction to individual and team aspects of military tactics in small unit operations. It includes the use of radio communications, making safety assessments, movement techniques, planning for team safety/ security and methods of pre-execution checks. The course includes practical exercises with upper division ROTC students and skills to learn techniques for training others as an aspect of continued leadership development. This course is offered in the spring semester. Prerequisite: MS 20100 or permission of dean.

MS 30100 Leading Small Organizations I (3) This course consists of a series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. It uses small unit defensive tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leading. This course is offered in the fall semester. Prerequisite: MS 20200 or completion of U.S. Army Basic Training and be contracted .

MS 30200 Leading Small Organizations II (3) In this course, students analyze tasks, prepare written or oral guidance for team members to accomplish tasks, delegate tasks and supervise, plan for and adapt to the unexpected in organizations under stress, examine and apply lessons from leadership case studies, and study importance of ethical decision making to set a positive climate to enhance team performance. This course is offered in the spring semester. Prerequisite: MS 30100.

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. This course is offered in the fall semester. Prerequisite: MS 30200.

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. This course is offered in the spring semester. Prerequisite: MS 40100.

MATHEMATICS

MTH 05100 Basic Mathematics (2) This is a computer-based self-paced course for students who need to review the basics of mathematics. Topics include order of algebraic operations, fractions, proportions, percents, exponents, scientific notation and calculator computations, simple graphs and diagrams, linear and quadratic equation solving, word problems. This course will not earn elective credit, nor will it satisfy the general education requirement in mathematics. Course offered every semester.

MTH 11000 Intermediate Algebra (3) This course includes the following topics: operations with real numbers, first degree equations and inequalities, operations with polynomials, factoring, operations with rational expressions, complex numbers, quadratic equations, elementary functions. Only students who are planning to pursue a degree requiring College Algebra, and who require remedial work beforehand should enroll in this course. Lab fee required. Counts for elective credit; will not satisfy the general education requirement in mathematics. Course offered every semester.

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. Course offered every semester. Prerequisites: C or better in MTH 05100 or MTH 11000 or passing the placement test.

MTH 13100 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. Course offered every semester. Prerequisite: C or better in MTH 05100 or MTH 11000 or passing the placement test.

MTH 13400 Concepts in Mathematics I (3) (GE-Math) This course is an introduction to the basic language and concepts of mathematics and is designed for elementary education majors, and students seeking middle school certification in mathematics. Topics include sets, number systems, the real number system, mathematical systems, logic, problem-solving, equations, and inequalities. Course offered every semester. Prerequisites: C or

better in MTH 05100 or MTH 11000 or passing the placement test.

MTH 13500 Concepts in Mathematics 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; constructions, congruence and similarity; concepts of measure; and motion geometry and tessellations. Course offered every semester. Prerequisites: C or better in MTH 05100 or MTH 11000 or passing the placement test.

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. Course offered every semester. Prerequisites: C or better in MTH 05100 or MTH 11000 or passing the placement test.

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. Course offered every semester. Prerequisites: C or better in MTH 11000, or passing the placement test.

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. Course offered every semester. Prerequisite: C or better in MTH 15100 or passing the placement test.

MTH 17000 Survey of Calculus (3) (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. Course offered every semester. Prerequisite: C or better in MTH 15100 or higher level math course, 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. Course offered every Fall semester. Prerequisite: C or better in MTH 15200 or higher level math course.

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). Course offered every semester. Prerequisites: C or better in MTH 15100 or passing the placement test.

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. Course offered every semester. Prerequisites: C or better in MTH 15200 or passing the placement test.

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. Course offered every semester. Prerequisite: C or better in MTH 27100.

MTH 28000 Interest Theory (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, bond valuation, the effects of inflation, duration and volatility, and immunization. This course covers the topics needed to be successful on Exam FM/2 by the Society of Actuaries and the Casualty Actuaries Society. Course offered every Spring semester. Prerequisite: C or better MTH 27100.

MTH 28500 Introduction to Advanced Mathematics (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. Course offered every Spring semester. Prerequisite: C or better in MTH 27200.

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. Course offered every Fall Semester. Prerequisite: C or better in MTH 27200.

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. Course offered every Spring semester. Prerequisites: C or better in MTH 27200.

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. Course offered intermittently. Prerequisite: MTH 28500.

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, eigen value problems, bilinear mappings and forms, diagonalisation. Course offered every Fall semester. Prerequisite: C or better in MTH 27200.

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, eigen value problems, bilinear mappings and forms, diagonalisation. Course offered intermittently. Prerequisite: C or better in MTH 31500.

MTH 32000 Algebraic Structures (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. Course offered every Fall semester. Prerequisite: C or better in MTH 28500.

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. Course offered every Fall semester. Prerequisites: C or better in MTH 28500.

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. Course offered every Spring semester. Prerequisites: MTH 30300.

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. Course offered intermittently. Prerequisites: C or better in MTH 34100.

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. Course offered intermittently. Prerequisites: C or better in MTH 27200 and CSC 14400.

MTH 36100 Applied Engineering Mathematics (3) This course will include partial differential equations of mathematical physics, eigen function expansions, the Laplace and Fourier transforms, and numerical methods. Course offered intermittently. Prerequisites: C or better in MTH 30300 and MTH 31100.

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. Course offered every Spring semester. Prerequisites: C or better in MTH 28500 and MTH 30300.

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. Does not meet general education requirement for Fine Arts. Offered fall semester only.

MUS 10100 Performance Practicum (1) This course offers a practical experience in performance and repertoire under the supervision of faculty or practicing music professionals. May

be repeated for credit. Offered every semester. Prerequisite: permission from the instructor.

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. P/F grading. May be repeated. Offered every semester.

MUS 104XX Private Lessons (1-2) Private lesson fee applies. May be repeated for credit. Offered every semester. Prerequisite: the ability to read music.

MUS 10442 Private Lessons: Applied Music (1-2)
MUS 10443 Private Lessons: Bassoon (1-2)
MUS 10445 Private Lessons: Clarinet (1-2)
MUS 10446 Private Lessons: Double Bass (1-2)
MUS 10447 Private Lessons: Flute (1-2)
MUS 10448 Private Lessons: French Horn (1-2)
MUS 10449 Private Lessons: Guitar (1-2)
MUS 10450 Private Lessons: Bass Guitar (1-2)
MUS 10451 Private Lessons: Flute (1-2)
MUS 10452 Private Lessons: Oboe (1-2)
MUS 10453 Private Lessons: Organ (1-2)
MUS 10454 Private Lessons: Percussion (1-2)
MUS 10455 Private Lessons: Piano (1-2)
MUS 10456 Private Lessons: Saxophone (1-2)
MUS 10457 Private Lessons: Trombone (1-2)
MUS 10458 Private Lessons: Trumpet (1-2)
MUS 10459 Private Lessons: Tuba (1-2)
MUS 10460 Private Lessons: Euphonium (1-2)
MUS 10461 Private Lessons: Violin (1-2)
MUS 10462 Private Lessons: Voice (1-2)
MUS 10466 Private Lessons: Viola (1-2)
MUS 10467 Private Lessons: Cello (1-2)

MUS 10901 Jazz Band (1) This course is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 10902 Orchestra (1) This course is open to all students. Includes, strings, woodwinds, brass, and percussion. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 10904 Symphonic Band (1) This course is open to all students. May be repeated for credit. Activity fee may apply. Offered spring semester only.

MUS 10906 Marching Band (1) This course is open to all students. Includes brass, woodwinds, percussion, and color guard. May be repeated for credit. Activity fee may apply. Offered fall semester only.

MUS 10907 Wind Ensemble (1) This course is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered intermittently.

MUS 11001 University Chorus (1) This course is open to all LU students. May be repeated for credit. Activity fee may apply. Offered every semester

MUS 11002 Voices Only (1) Voices Only is Lindenwood's premiere a cappella ensemble. Includes multiple performances

throughout the year. Membership is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 11003 Concert Choir (1) Concern Choir is open to all LU students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 112XX Instrumental Ensemble (1) This experience may be repeated for credit. Audition may be required. Offered intermittently.

MUS 11211 Instrumental Ensemble: Woodwinds (1)
MUS 11215 Instrumental Ensemble: Brass (1)
MUS 11217 Instrumental Ensemble: Percussion (1)
MUS 11218 Instrumental Ensemble: Guitar (1)
MUS 11219 Instrumental Ensemble: Strings (1)
MUS 11221 Instrumental Ensemble: Jazz (1)

MUS 11300 Vocal Ensemble (1) This course may be repeated for credit. Audition may be required. Offered intermittently.

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 semester only.

MUS 11500 Class Piano II (2) This course is a continuation of Class Piano I. Offered Spring semester only. Prerequisite: C or better in MUS 11400 or permission from the instructor.

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 semester only.

MUS 12500 Class Voice II (2) This course serves as a continuation of Class Voice I. Prerequisite: C or better in MUS 12400 or permission from the instructor.

MUS 13100 Music Theory I (4) This course is divided into three components: Aural Training, Sight Singing, and Music Analysis. Aural Training includes (a) harmonic, rhythmic, and melodic dictation, (b) aural identification of major and minor scales and triads and melodic intervals up to and including an octave, and (c) error detection. 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. Offered Spring semester only. Prerequisite: C or better in MUS 10000 or passing the Fundamentals of Music Proficiency Exam.

MUS 13200 Music Theory II (4) This course is a continuation of MUS 13100 and is divided into three components: Ear Training, Sight Singing, and Music Analysis. Ear Training includes (a) advanced harmonic, rhythmic, and melodic dictation, (b) aural identification of inverted triads, harmonic intervals up to and including an octave, and seventh chords in root position, and (c) error detection. 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. Offered Fall semester only. Prerequisite: C or better in MUS 13100.

MUS 15000 Music in America (3) (GE-Fine Art) This course covers 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 every semester.

MUS 16500 Introduction to Music Literature (3) (GE-Fine Art) 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 every semester.

MUS 18600 Special Topics (1-3) This course is a focused examination within the discipline of music. May include a performance component. May be repeated as topics vary. Activity fee may apply. Offered intermittently.

MUS 20100 Performance Practicum (1) This course serves as a practical experience in performance and repertoire under the supervision of faculty or practicing music professionals. May be repeated for credit. Offered every semester. Prerequisite: MUS 10100 and permission from the instructor.

MUS 204XX Private Lessons (1-2) Private lesson fee applies for this class. May be repeated for credit. Offered every semester. Prerequisite: C or better in MUS 104XX.

MUS 20442 Private Lessons: Applied Music (1-2)
MUS 20443 Private Lessons: Bassoon (1-2)
MUS 20445 Private Lessons: Clarinet (1-2)
MUS 20446 Private Lessons: Double Bass (1-2)
MUS 20447 Private Lessons: Flute (1-2)
MUS 20448 Private Lessons: French Horn (1-2)
MUS 20449 Private Lessons: Guitar (1-2)
MUS 20450 Private Lessons: Bass Guitar (1-2)
MUS 20451 Private Lessons: Flute (1-2)
MUS 20452 Private Lessons: Oboe (1-2)
MUS 20453 Private Lessons: Organ (1-2)
MUS 20454 Private Lessons: Percussion (1-2)
MUS 20455 Private Lessons: Piano (1-2)
MUS 20456 Private Lessons: Saxophone (1-2)
MUS 20457 Private Lessons: Trombone (1-2)
MUS 20458 Private Lessons: Trumpet (1-2)
MUS 20459 Private Lessons: Tuba (1-2)
MUS 20460 Private Lessons: Euphonium (1-2)
MUS 20461 Private Lessons: Violin (1-2)
MUS 20462 Private Lessons: Voice (1-2)
MUS 20466 Private Lessons: Viola (1-2)
MUS 20467 Private Lessons: Cello (1-2)

MUS 20901 Jazz Band (1) This course is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 20902 Orchestra (1) This course is open to all students. Includes, strings, woodwinds, brass, and percussion. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 20904 Symphonic Band (1) This course is open to all students. May be repeated for credit. Activity fee may apply. Offered spring semester only.

MUS 20906 Marching Band (1) This course is open to all students. Includes brass, woodwinds, percussion, and color guard. May be repeated for credit. Activity fee may apply. Offered fall semester only.

MUS 20907 Wind Ensemble (1) This course is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered intermittently.

MUS 21001 University Chorus (1) This course is open to all LU students. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 21002 Voices Only (1) Voices Only is Lindenwood's premiere a cappella ensemble. Includes multiple performances throughout the year. Membership is open to all students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 21003 Concert Choir (1) This course is open to all LU students by audition. May be repeated for credit. Activity fee may apply. Offered every semester.

MUS 212XX Instrumental Chamber Ensembles (1) This course may be repeated for credit. Audition may be required. Offered intermittently.

MUS 21211 Instrumental Ensemble: Woodwinds (1)
MUS 21215 Instrumental Ensemble: Brass (1)
MUS 21217 Instrumental Ensemble: Percussion (1)
MUS 21218 Instrumental Ensemble: Guitar (1)
MUS 21219 Instrumental Ensemble: Strings (1)
MUS 21221 Instrumental Ensemble: Jazz (1)

MUS 21300 Vocal Chamber Music Ensembles (1) This course may be repeated for credit. Audition may be required. Offered intermittently.

MUS 22100 Woodwind Techniques (1) This course is a practical study of woodwind methods, materials, and instructional techniques. Instrument rental fee applies. Offered intermittently.

MUS 22200 Brass Techniques (1) This course is a practical study of brass methods, materials, and instructional techniques. Instrument rental fee applies. Offered intermittently.

MUS 22300 Percussion Techniques (1) This course is a practical study of percussion methods, materials, and instructional techniques. Instrument rental fee applies. Offered intermittently.

MUS 22400 String Techniques (1) This course is a practical study of string methods, materials, and instructional techniques. Instrument rental fee applies. Offered intermittently.

MUS 22500 Keyboard Techniques (1) This course is a practical study of accompaniment and improvisation techniques. Offered intermittently. Prerequisite: passing score on the Piano Proficiency Exam or permission from the instructor.

MUS 22600 Guitar Techniques (1) This course is a practical study of guitar methods, materials, and instructional techniques. Instrument rental fee applies. Offered intermittently.

MUS 23100 Music Theory III (3) This course is a continuation of MUS 13200: (a) Renaissance and Baroque periods, including late Renaissance polyphony; two-voice eighteenth-century counterpoint; and the fugue; (b) chromatic harmony, including borrowed chords, Neapolitan sixth chords, and augmented sixth chords; and (c) the Classical period, including variation technique, sonata form, and rondo forms. Offered spring semester only. Prerequisite: C or better in MUS 13200.

MUS 25000 Introduction to Music Technology (3) This course serves as an introduction to music notation software, audio workstations, accompaniment and assessment programs, recording systems, MIDI applications, and current technologies. Offered in spring semester only.

MUS 30100 Performance Practicum (1) This course offers practical experience in performance and repertoire under the supervision of faculty or practicing music professionals. May be repeated credit. Offered every semester. Prerequisite: MUS 20100 and permission of the instructor.

MUS 304XX Private Lessons (1-2) Private lesson fee applies for this course. May be repeated for credit. Offered every semester. Prerequisite: C or better in MUS 204XX.

MUS 30442 Private Lessons: Applied Music (1-2)

MUS 30443 Private Lessons: Bassoon (1-2)

MUS 30445 Private Lessons: Clarinet (1-2)

MUS 30446 Private Lessons: Double Bass (1-2)

MUS 30447 Private Lessons: Flute (1-2)

MUS 30448 Private Lessons: French Horn (1-2)

MUS 30449 Private Lessons: Guitar (1-2)

MUS 30450 Private Lessons: Bass Guitar (1-2)

MUS 30451 Private Lessons: Flute (1-2)

MUS 30452 Private Lessons: Oboe (1-2)

MUS 30453 Private Lessons: Organ (1-2)

MUS 30454 Private Lessons: Percussion (1-2)

MUS 30455 Private Lessons: Piano (1-2)

MUS 30456 Private Lessons: Saxophone (1-2)

MUS 30457 Private Lessons: Trombone (1-2)

MUS 30458 Private Lessons: Trumpet (1-2)

MUS 30459 Private Lessons: Tuba (1-2)

MUS 30460 Private Lessons: Euphonium (1-2)

MUS 30461 Private Lessons: Violin (1-2)

MUS 30462 Private Lessons: Voice (1-2)

MUS 30466 Private Lessons: Viola (1-2)

MUS 30467 Private Lessons: Cello (1-2)

MUS 32000 Applied Music Literature (3) This course is an extensive study of literature specific to the students' major instrument(s). Includes research, performance, and critical listening. Offered intermittently. Prerequisite: MUS 35500 and MUS 35600.

MUS 33000 Music Business (3) (GE-Fine Art) This course is a study of the organization and operation of principle sectors of the music business, including the recording industry, sound equipment and instrument sales, print music, artist management, licensing, and music education. Offered Spring semester only. Prerequisite: C or better in ENG 17000 and COM 30300.

MUS 33300 Music Theory IV (3) This course is a continuation of MUS 23100: (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. Offered in Fall semester only. Prerequisite: C or better in MUS 23100.

MUS 33600 Music Composition I (2) This course is a supervised composition practicum with an emphasis on popular styles. Includes extended tonality associated with the jazz idiom, harmonic functions, melodic development, chord nomenclature, 32-bar song form, harmonic substitution, and other tools and devices associated with popular music. Offered intermittently. Prerequisite: C or better in MUS 13200.

MUS 33700 Music Composition II (2) This course is a supervised composition practicum with an emphasis on techniques and compositional devices of contemporary masterworks. 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. Offered intermittently. Prerequisite: C or better in MUS 13200.

MUS 33800 Electronic Music Composition (2) This course is designed to cultivate contemporary composition techniques associated with electronic music and sound design. Students will gain experience using various electronic media applications by completing small tasks and creating an original work for class presentation. Offered intermittently. Prerequisite: C or better in MUS 25000 and MUS 13100.

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. Offered intermittently. Prerequisite: permission from instructor.

MUS 35500 History of Western Music I (3) (GE-Fine Art/CrsClc) This course serves as a study of Western art music (middle ages to 1750) in historical, stylistic, and cultural contexts. Offered spring semester only. Prerequisite: ENG 17000 and sophomore standing.

MUS 35600 History of Western Music II (3) (GE-Fine Art/CrsClc) This course serves as a study of Western art music (1750 to the present) in historical, stylistic, and cultural contexts. Offered fall semester only. Prerequisite: ENG 17000 and sophomore standing.

MUS 35700 World Music (3) (GE-Fine Art/CrsClc) 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. Offered fall semester only. Prerequisite: ENG 17000 and sophomore standing.

MUS 36000 Instrumental Composition and Arranging (3) This course is an instrumental composition and arranging practicum. Scores are created for diverse combinations of string, woodwind, brass, percussion, and electronic instruments. Includes a range of styles and forms. Offered intermittently. Prerequisite: C or better in MUS 13200.

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. Offered fall semester only. Prerequisite: C or better in MUS 38400.

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. Offered fall semester only. Prerequisite: C or better in MUS 38400.

MUS 37600 Diction for Singers I (3) This course serves as a study of the International Phonetic Alphabet as applicable to vocal repertoire in English and Italian. Includes transcription of songs and arias. Offered intermittently. Prerequisite: two semesters of private voice lessons.

MUS 37700 Diction for Singers II (3) this course is a study of the International Phonetic Alphabet as applicable to vocal repertoire in German and French. Includes transcription of songs and arias. Offered intermittently. Prerequisite: C or better in MUS 37600 and two semesters of private voice lessons.

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. Offered intermittently. Prerequisites: Junior standing and concurrent enrollment in private voice lessons.

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. Offered Fall semester only. Prerequisite: C or better in 4 hours of private lessons on major instrument, 4 hours of ensemble credit, and junior standing.

MUS 38400 Advanced Conducting—Instrumental (3) This course is a continuation of MUS 38300. Includes advanced techniques for conducting and managing instrumental ensembles. Requires clinical practice and performance at the Student Conductors Concert. Offered spring semester only. Prerequisite: C or better in MUS 38300.

MUS 38500 Advanced Conducting—Choral (3) This course is a continuation of MUS 38300. Includes advanced techniques for conducting and managing choral ensembles. Requires clinical practice and performance at the Student Conductors Concert. Offered spring semester only. Prerequisite: C or better in MUS 38300.

MUS 38600 Special Topics (1-6) This course is a focused examination within the discipline of music. May include a performance component. May be repeated for credit as topics vary. Activity fee may apply. Offered intermittently.

MUS 39000 Junior Recital (1) This course is a formal recital representing partial culmination of applied studies. Recital fee applies. Offered every semester. Prerequisite: permission from advisor and private lesson instructor.

MUS 40100 Performance Practicum (1) This course offers practical experience in performance and repertoire under the supervision of faculty or practicing music professionals. May be

repeated for credit. Offered every semester. Prerequisite: MUS 30100 and permission from the instructor.

MUS 404XX Private Lessons (1-2) Private lesson fee applies. May be repeated for credit. Offered every semester. Prerequisite: C or better in MUS 304XX.

MUS 40442 Private Lessons: Applied Music (1-2)
MUS 40443 Private Lessons: Bassoon (1-2)
MUS 40445 Private Lessons: Clarinet (1-2)
MUS 40446 Private Lessons: Double Bass (1-2)
MUS 40447 Private Lessons: Flute (1-2)
MUS 40448 Private Lessons: French Horn (1-2)
MUS 40449 Private Lessons: Guitar (1-2)
MUS 40450 Private Lessons: Bass Guitar (1-2)
MUS 40451 Private Lessons: Flute (1-2)
MUS 40452 Private Lessons: Oboe (1-2)
MUS 40453 Private Lessons: Organ (1-2)
MUS 40454 Private Lessons: Percussion (1-2)
MUS 40455 Private Lessons: Piano (1-2)
MUS 40456 Private Lessons: Saxophone (1-2)
MUS 40457 Private Lessons: Trombone (1-2)
MUS 40458 Private Lessons: Trumpet (1-2)
MUS 40459 Private Lessons: Tuba (1-2)
MUS 40460 Private Lessons: Euphonium (1-2)
MUS 40461 Private Lessons: Violin (1-2)
MUS 40462 Private Lessons: Voice (1-2)
MUS 40466 Private Lessons: Viola (1-2)
MUS 40467 Private Lessons: Cello (1-2)

MUS 49000 Senior Recital (1) This course is a formal recital representing a culmination of applied studies. Recital fee applies. Offered every semester. Prerequisite: passing score on the Piano Proficiency Exam and permission from advisor and private lesson instructor.

MUS 49900 Internship (3-6) This course offers field experience in the music industry under the sponsorship of an approved agency, business, or organization. May be repeated for credit. Offered every semester. Prerequisite: Junior standing and permission from the instructor.

NATURAL SCIENCE

See page 148 of this catalog for the course description of all SCI courses.

NONPROFIT ADMINISTRATION

NPA 10000 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. This course offered every semester.

NPA 19300 Special Topics in NPA (1-3) This will be introductory nonprofit courses. Lab fee may be required. This course will be offered intermittently.

NPA 20100 Nonprofit Administration Student Association (1) This course involves the study and experience of the co-curricular program at LU. 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. This course offered every semester.

NPA 28900 Nonprofit Leadership Alliance Management Institute I (3) Students required to attend workshops and relate experience to the NPA major. This course offered every J-Term.

NPA 29300 Special Topics in NPA (3) Courses in topics pertinent to the management of nonprofit organizations. Lab fee may be required. This course offered intermittently.

NPA 29500 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. This course offered in the fall.

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. This course offered in the spring. Prerequisite: NPA 10000 or REC 10200 and junior status.

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. This course offered intermittently. Prerequisite: NPA 10000 or REC 10200.

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. This course offered in the spring. Prerequisite: NPA 10000 or REC 10200 and junior status.

NPA 35000 Management of Nonprofit Organizations (3) Management methods 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. The course presents effective techniques for supervision and problem solving; developing services that effectively respond to diversity in the community. Students will study 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. This course offered in the spring. Prerequisite: NPA 10000 or REC 10200.

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. This course offered in the fall. Prerequisite: NPA 10000 or REC 10200.

NPA 36000 Leadership (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. This course offered in the fall. Prerequisite: NPA 10000 or REC 10200.

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. This course offered in the spring. Prerequisite: NPA 30000 and ENG 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. This course offered in the fall. Prerequisite: NPA 10000 or REC 10200.

NPA 38900 Nonprofit Leadership Alliance Management Institute II (3) Students must complete the program of study provided through the American Humanics, Inc. at the American Humanics Management Institute. This national course offering is available for American Humanics students across the nation. Topics are presented by national youth agencies and corporate leaders with student interaction. Registration and transportation fees are required. This course offered every J-Term. Prerequisite: NPA 28900 and junior status.

NPA 39100 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. This course offered intermittently. Prerequisite: NPA 10000 or REC 10200.

NPA 45000 Internship (3) Students are placed in nonprofit organizations to serve in functions normally assigned to entry level managers. 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. This course offered every semester. Prerequisite: NPA 35000 and permission of dean.

NPA 45100 Nonprofit Leadership Alliance Internship (3) Students are placed in nonprofit organizations to serve in functions normally assigned to entry level managers. 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 and is offered every semester. Prerequisite: NPA 45000, junior status.

NPA 49300 Special Topics in Nonprofit Administration (1-6) This course is a directed studies 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. Can be taken for repeated credit with different topics. Lab fee may be required. This course offered intermittently. Prerequisite: permission of dean.

NPA 49900 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. This course offered in the spring. Prerequisite: Senior status.

PHYSICAL EDUCATION

Activity Courses (May be taken for credit only one time)

Team Sports (1)

PE 10000 Competitive Sports
PE 10100 Recreational Sports I
PE 10200 Recreational Sports II
PE 10300 Volleyball
PE 10400 Softball
PE 10500 Track & Field
PE 10600 Flag Football
PE 10700 Basketball
PE 10800 Soccer
PE 10900 Wrestling
PE 11000 Golf

Lifetime Sports (1)

PE 11200 Trap/Skeet Shooting (NOT OPEN TO STUDENTS WITH CREDIT IN REC 12000)
PE 12000 Weight Lifting I
PE 12100 Weight Lifting II
PE 12200 Orienteering (NOT OPEN TO STUDENTS WITH CREDIT IN REC 12500)
PE 12600 Aerobic Fitness
PE 12700 Swimming I
PE 12900 Life guarding
PE 13000 Water Aerobics
PE 13100 Bowling
PE 13200 Lifetime Sports
PE 13300 Tennis I
PE 13400 Tennis II
PE 13800 Racquetball
PE 13900 Pickleball
PE 13500 Badminton
PE 13600 Scuba (NOT OPEN TO STUDENTS WITH CREDIT IN REC 13600)
PE 13700 Archery (NOT OPEN TO STUDENTS WITH CREDIT IN REC 13700)
PE 14000 Plyometrics
PE 14100 Self Defense I
PE 14200 Cardiovascular Fitness
PE 14300 Self Defense II
PE 14400 Camping (NOT OPEN TO STUDENTS WITH CREDIT IN REC 14400)
PE 14500 Bicycling (NOT OPEN TO STUDENTS WITH CREDIT IN REC 14500)
PE 14800 Hiking (NOT OPEN TO STUDENTS WITH CREDIT IN REC 14800)
PE 14900 Canoeing (NOT OPEN TO STUDENTS WITH CREDIT IN REC 14900)
PE 15100 Table Tennis
PE 15200 Rappelling (NOT OPEN TO STUDENTS WITH CREDIT IN REC 15200)
PE 15300 Officiating of Team Sports

PE 15400 Billiards and Pool
PE 15500 Swimming II
PE 15600 Fencing
PE 15700 Advanced Life guarding/Lifesaving
PE 15800 Fishing & Fly Tying (Lab fee required.)
PE 15900 Advanced Fishing & Fly Tying
PE 16100 Outdoor Education (Hunting and Fishing) (NOT OPEN TO STUDENTS WITH CREDIT IN REC 12700)
PE 16200 Fly Rod Building (Lab fee required.)
PE 17000 LU Crew I (Lab fee required.)
PE 17100 LU Crew II (Lab fee required.)
PE 17200 LU Crew III (Lab fee required.)
PE 17300 LU Crew IV (Lab fee required.)
PE 18200 Lifeguard Training
PE 18300 Lifeguard Management
HIT 10000 Lighten-Up I (Lab fee required.)
HIT 10100 Lighten-Up II
HIT 10200 HIT-FIT I (Lab fee required.)
HIT 10300 HIT FIT II
HIT 10400 Boot Camp (Lab fee required.)

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. This course is offered fall/spring.

PE 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. (NOT OPEN TO STUDENTS WITH CREDIT IN PE 18000 AND 18100). This course is offered every semester. Lab fee required.

PE 18000 First Aid (1) This partial on-line course is designed to provide training and offer certification in the area of First Aid upon completion of the on campus practical skills portion. Students will meet the skill and knowledge standards as determined by the American Red Cross. Lab fee required. (NOT OPEN TO STUDENTS WITH CREDIT IN PE 16000). This course is offered every semester. This course does not count towards degree requirements for AT, EXS, or PE majors.

PE 18100 Adult CPR/AED (1) (Automated External Defibrillation) This partial online course is designed to provide adult CPR and adult AED training and offer certification in those areas, upon completion of an on-campus practical skills portion. Students will meet the skill and knowledge standards as determined by the American Red Cross. Lab fee required. (NOT OPEN TO STUDENTS WITH CREDIT IN PE 16000). This course is offered every semester. This course does not count towards degree requirements for AT, EXS, or PE majors.

PE 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. This course is offered fall/spring.

PE 20300 Team Building and Cooperative Games (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 3 credit hours of lifetime activities towards degree requirements). This course is offered in J-Term.

PE 20400 Care and Prevention of Athletic Injuries (3) This course is designed for individuals who are not pursuing a medical position and want to gain knowledge by providing basic information on how to identify and prevent injuries of the upper and lower extremity, head, neck, and spine, the importance of proper conditioning, and basic anatomy. Anyone may take this course. (NOT OPEN TO STUDENTS WITH CREDIT IN AT 29500). This course is offered in J-Term

PE 20700 Human Anatomy and Physiology (4) (GE-BioSci) This course is a study of the structure and function of the human skeletal, muscular, nervous, digestive, respiratory, and circulatory systems. Lab fee required. This course is offered fall/spring. Prerequisites: CHM 10000 & BIO 10000. This course cannot be taken by Athletic Training and Exercise Science majors.

PE 22000 Motor Learning and Rhythmic Activity (3) 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. This course is offered every semester. Prerequisite: (PE 15000 or EXS 25000), EDU 10000, (EDU 20200 or EDU 30400).

PE 24000 Stress Management (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 experience various coping strategies and relaxation techniques through active participation in these life skills. (PE majors receive 3 credit hours of lifetime activities towards degree requirements) This course is offered in J-Term.

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 3 credit hours of lifetime activities towards degree requirements). Lab Fee Required. This course is offered in spring.

PE 29800 Special Topics (1-3) This course is designed for interest in specific subjects related to exercise science. Lab fee may be

required. This course is offered every semester. Prerequisites: permission of dean.

PE 30000 Community Health (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. This course is offered every semester. Prerequisite: PE 15000 or AT 29500 or EXS 25000.

PE 30500 Measurement & 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. Lab fee required. This course is offered every semester. Prerequisite: MTH 14100.

PE 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. This course is offered every semester. Prerequisites: MTH 14100, and PE 20700 or BIO 22700.

PE 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. Prerequisites: PE 20700 or BIO 22700. This course is offered fall/spring.

PE 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. Lab fee required. This course is offered fall/spring.

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 his/her 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. This course is offered every semester. Prerequisite: AT 29500 or EXS 25000 or PE 15000 or PE 20400.

PE 32000 Psychological and Sociological Aspects of Physical Education (4) This course includes the theoretical foundations, methodological foundations, experimental foundations, and applied foundations of sport sociology, as well as the historical perspectives of 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, racism, the historical aspects of play theory, social psychological aspects of play, bio-behavioral aspects of play, research methodology, and the environmental aspects of play. This course is offered every semester. Prerequisite: PE 15000 or AT 29500 or EXS 25000 or 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. This course is offered fall/spring. Prerequisites: EDU 10000, EDU 20200, EDU 30400.

PE 33500 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. This course is offered fall/spring. Prerequisite: EDU 10000, and EDU 20200 or EDU 30400.

PE 33600 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). The course includes a practicum placement in an intermediate school setting. This course is offered fall/spring. Prerequisite: PE 33500.

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. This course is offered fall/spring. Prerequisite: PE 15000, junior standing.

PE 35000 Theory & 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. This course is offered fall/spring. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35100 Theory & 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. This course is offered fall/spring. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35200 Theory & 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. This course is offered fall/spring. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35300 Theory & Methods of Coaching Track & 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. This course is offered fall/spring. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35400 Theory & 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. This course is offered fall. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35500 Theory & 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. This course is offered fall. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35600 Theory & 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. This course is offered every semester. Prerequisite: junior standing, PE 20400 or AT 29500.

PE 35700 Theory & Methods of Coaching Wrestling (3) This course will prepare students to coach interscholastic wrestling. The areas of study includes: 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. This course is offered fall. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 35800 Theory & 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. This course is offered fall. Prerequisite: senior standing, PE 20400 or AT 29500.

PE 39800 Special Topics (1-3) This course is designed for interest in specific subjects related to physical education. Lab fee may be required. This course is offered every semester. Prerequisites: permission of dean.

PE 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, and the more disabled students

requiring a special physical education program. This course is offered every semester. Prerequisites: PE 33500 and PE 33600.

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 he/she 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. This course is offered every semester. Prerequisite: senior standing, PE 35200.

PE 42053 Practicum in Coaching Track & 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 & Field. The student may not complete this requirement during season if he/she is a participant in Track & 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 & 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. This course is offered every semester. Prerequisite: senior standing, PE 35300.

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 he/she 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 Track & 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. This course is offered every semester. Prerequisite: senior standing, PE 35400.

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 he/she 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. This course is offered every semester. Prerequisite: senior standing, PE 35500.

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 he/she 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. This course is offered every semester. Prerequisite: senior standing, PE 35600.

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 he/she 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. This course is offered every semester. 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 he/she 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. This course is offered every semester. Prerequisite: senior standing, PE 35800.

PHILOSOPHY

PHL 10200 Moral Life: A Study in Ethics (3) (GE-Phl-Rel) This course will introduce the student to various moral theories and patterns of moral reasoning and their consequences. It will cover both theoretical and applied ethics and stress the development of good moral character and the habit of sound moral reasoning. Topics covered will include: the nature of morality, moral theories, relativism, virtue and vice, as well as issues in personal and social ethics. This course is offered spring semester only.

PHL 15000 Introduction to Philosophy (3) (GE-Phl-Rel) This course is an introduction to philosophy. Students will be introduced to the subject and methods of philosophy by a close reading of primary texts. Topics will include questions about reality, knowledge, ethics, and social and political philosophy. This course is offered every semester.

PHL 18000 Selected Topics in Philosophy (3) (GE-Phl-Rel) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular

philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 18100 Selected Topics in Philosophy (3) (GE-CrsClt) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course can satisfy either the General Education Philosophy/Religion or General Education Cross Cultural requirement. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 18200 Selected Topics in Philosophy (1-3) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 19000 Philosophy of Human Nature: Mind, Soul and Body (3) (GE-Phi-Rel) This course is an introduction to topics relating to human nature. It will examine questions in epistemology, psychology, philosophy of mind, ethics, and religion. Questions will include: What kinds of things can we know? What is the mind? Do humans consist only of matter? Do humans have free will? Is human nature essentially good or bad or neither? Can human nature tell us anything about God? Emphasis will be on primary readings. This course is offered fall semester only.

PHL 21400 Ethics (3) (GE-Phi-Rel) This course provides students with a general understanding of the development and status of ethics as a theoretical discipline and its relation to social and political philosophy. Only original sources are used. This course is offered fall semester only.

PHL 21500 Traditional Logic (3) (GE-Phi-Rel) This is a course in logic in ordinary language. It will focus on Aristotelian logic and will include Terms and Definitions, Fallacies, Propositions and Immediate Inferences, Syllogisms, and Compound Syllogisms. The course is recommended for students in the Humanities, Business, Political Science, Communication, or those seeking a course in practical reasoning. This course is offered fall semester only.

PHL 21600 Modern Symbolic Logic (3) (GE-Math) This is a course in Modern Symbolic Logic. It will cover translation, propositional logic, predicate logic, natural deduction, quantification, and identity. This course is required for Philosophy majors and recommended for students in the Sciences, Mathematics or Computer Science, and students interested in formal systems. This course is offered spring semester only.

PHL 24000 Bioethics (3) (GE-Phi-Rel) This course is an introduction to the field of bioethics and ethical issues in healthcare. Topics will include the relation of general moral theory to the medical field; the nature of medicine and the role of doctors, nurses, and others; moral questions related to the elimination of disease, medical enhancements, and questions relating to life and death; and issues related to technology in medicine, such as cloning and genetic engineering. This course is offered fall semester of odd numbered years. Prerequisite: ENG 17000 with a "C" or better.

PHL 25000 Contemporary Moral Theory (3) (GE-Phi-Rel) This course is an examination of contemporary moral theory. It will explore contemporary versions of traditional moral theories (utilitarianism, deontology, and virtue ethics) and some modern alternatives. The course will also look at ways in which moral theories are applied to contemporary problems. This course is offered fall semester of even numbered years.

PHL 25200 Dante and the Virtues (3) (GE-Phi-Rel) This course concentrates on Dante's *Divine Comedy* with particular emphasis on its relation to Thomas Aquinas' philosophical synthesis and the structure of the seven deadly sins. We will participate in literary analysis, learn an element of the history of philosophy, and discuss key ethical, epistemological, and theological ideas. This course is offered intermittently.

PHL 26500 Philosophy of Science (3) (GE-Phi-Rel) This course is an introduction to the philosophy of science. Topics covered include the nature, scope, and limits of science; the nature of scientific inference, explanation, and theories; questions about realism and antirealism, the unity of science, and science and religion. Emphasis is placed in the relationship between the natural sciences and the humanities. This course is offered spring semester of odd numbered years. Prerequisite: ENG 17000 with a "C" or better.

PHL 28000 Selected Topics in Philosophy (3) (GE-Phi-Rel) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 28100 Selected Topics in Philosophy (3) (GE-Phi-Rel/CrsClt) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 28200 Selected Topics in Philosophy (1-3) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course may be

repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 30500 Political Philosophy (3) (GE-Phl-Rel) 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. This course is offered fall semester only. Prerequisite: ENG 17000 with a “C” or better.

PHL 31100 Ancient Philosophy (3) (GE-Phl-Rel) This course investigates key ideas of the major philosophers from 600 B.C. to 40 B.C. The course proceeds by reading from the translated works of the Pre- Socratics, Socrates, Sophists, Plato, Aristotle, Epicurus, Greek and Roman Stoics, and Cicero. Topics include ethics, politics, metaphysics, epistemology, logic, and the nature of God and man. This course is offered fall semester of even numbered years. Prerequisite: ENG 17000 with a “C” or better.

PHL 31200 Medieval Philosophy (3) (GE-Phl-Rel) This course studies the arguments of Christian, Arabian, and Jewish philosophers of the middle ages, roughly the fourth to fifteenth centuries. Topics include the relation of faith and reason, metaphysics, epistemology, ethics, and social and political philosophy. Only original sources are used. This course is offered fall semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better.

PHL 31300 Modern Philosophy (3) (GE-Phl-Rel) This course is an investigation of the original texts of the major philosophers of the Enlightenment-rationalists and empiricists-tracing the emergence of modern science, the great political revolutions of the 17th and 18th centuries and rising romanticism of the early 19th century. Emphasis is on the works of Descartes, Hobbes, Locke, Hume, Rousseau, Kant, and Hegel. Only original sources are used. This course is offered fall semester of odd numbered years. Prerequisite: ENG 17000 with a “C” or better.

PHL 31800 Asian Philosophy (3) (GE-CrsClt) This course is an introduction to the philosophies of India, China, Japan, and other countries in Asia and Asia minor. The course will focus primarily on Hindu, Buddhist, Confucian, and Taoist traditions. It will examine questions in metaphysics, epistemology, ethics, and social and political philosophy in both an historic and contemporary Asian thought. Not open to students with credit in REL 31800. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 32500 Philosophy of Religion (3) (GE-Phl-Rel) This course is a survey of the philosophical investigation of religion. Topics examined may include arguments for and against the existence of God; the basis in reason and experience for religious faith; problems or religious language; the conflicting claims to truth of different religions and human destiny after death. This course is offered fall semester only. Prerequisite: three credit hours of philosophy (PHL 10200 or higher) or three credit hours of religion (REL 10000 or higher) or permission of dean.

PHL 34000 Topics in Bioethics (3) This course will examine a topic in bioethics. This course is offered intermittently. This

course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 34500 Metaphysics (3) This course will examine the nature of reality, of being in its most general aspects. It will include discussion of what kinds of things are real, nonbeing, properties, identity, materialism/dualism, free will, time, existence or nonexistence of God, etc. This course is offered fall semester of odd numbered years. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 35000 Philosophy of Law (3) This course introduces students to the Philosophy of Law. We will cover the theoretical frameworks of positivism, natural law, law and economics, and feminism, among other topics. We use only original sources. This course is offered spring semester of odd numbered years. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of political science (PS 15500 or higher), or permission of dean.

PHL 35500 Epistemology (3) This course will examine the nature and scope of knowledge. Topics addressed include the nature of knowledge, knowledge and belief, truth, rationalism/empiricism, justification, skepticism, relativism, etc. This course is offered spring semester of even numbered years. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 36500 Topics in Philosophy of Science (3) This course will examine a topic in the philosophy of science. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or three credit hours of religion (REL 10000 or higher), or permission of dean.

PHL 38000 Selected Topics in Philosophy (3) (GE-Phl-Rel) This course consists of a detailed examination of a topic in philosophy. Course may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, courses in Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or permission of dean.

PHL 38100 Selected Topics in Philosophy (3) (GE-PhlRel/CrsClt) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc. This course can satisfy either the General Education Philosophy/Religion or General Education Cross Cultural requirement. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or permission of dean.

PHL 38200 Selected Topics in Philosophy (1-3) This course is a detailed examination of a topic in philosophy. It may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, the course may focus on Professional Ethics, Plato, etc.. This course may be repeated for different topics. This course is offered intermittently.

Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or permission of dean.

PHL 39000 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. The course is also a general business elective or an economics elective for students pursuing a major in Economics. This course is offered fall semester of odd numbered years. Prerequisite: (MTH 12100, MTH 13100, MTH 13400, MTH 13500, MTH 14100, MTH 15100, MTH 15200, MTH 17000, MTH 24100, MTH 27100, or MTH 27200) and (ECON 23010, ECON 23020, or any three credit hours of philosophy (PHL 10200 or higher) or any three credit hours of political science (PS 15500 or higher)).

PHL 48000 Selected Topics in Philosophy (1-3) This course consists of a detailed examination of a topic in philosophy. Course may focus on a specific problem in philosophy, a particular philosopher, a major work of philosophy, or a topic or branch of philosophy not covered in other courses. For example, courses in Professional Ethics, Plato, etc. This course may be repeated for different topics. This course is offered intermittently. Prerequisite: three credit hours of philosophy (PHL 10200 or higher), or permission of dean.

PHL 49300 Senior Seminar (3) This course is the capstone experience for the philosophy major. The course will focus on the question: What is Philosophy? The student will be required to read and become familiar with a variety of views on the nature of philosophy with an emphasis on historical context and development. This course is a tutorial. This course is offered intermittently.

PHYSICS

PHY 11100 Concepts of Physics (3) (GE-PhysSci) 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 non-mathematical and emphasizes their application in daily life. Offered every semester.

PHY 11200 Concepts of Physics Laboratory (1) (GE-PhysSci) 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. Lab fee required. Offered every semester.

PHY 25100 Introductory Physics I (4) (GE-PhysSci) 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. Lab fee required. Offered every semester. Prerequisite: MTH 15200, MTH 17000 or MTH 27100.

PHY 25200 Introductory Physics II (4) (GE-PhysSci) This course is an algebra based treatment of thermodynamics, electricity and magnetism, including electric fields, Gauss's law, voltage, capacitors, inductors, Kirchhoff's laws, AC and DC circuits, and

geometric and physical optics. Lab fee required. Offered every semester. Prerequisite: PHY 25100.

PHY 30100 General Physics I (4) (GE-PhysSci) 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. Lab fee required. Offered every semester. Prerequisite: MTH 27100.

PHY 30200 General Physics II (4) (GE-PhysSci) 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. Lab fee required. Offered every Spring semester. Prerequisite: PHY 30100.

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. Cross-listed with CHM 47200 Offered every Fall semester. Prerequisites: MTH 27200 and C or better in either CHM 47100 or PHY 30100.

POLITICAL SCIENCE and PUBLIC ADMINISTRATION

PS 15500 American Government: The Nation (3) (GE-AmGovHis) 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. This course is offered every semester.

PS 15600 American Government: The States (3) (GE-AmGovHis) 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. This course is offered every semester.

PS 30000 Comparative Politics (3) (GE-CrsCit) This course focuses on providing students with different methods and approaches used in making political comparisons. Furthermore, students are shown how they can use these methods and approaches in the study of individual countries. This course is offered fall semester only.

PS 30100 Comparative Public Policy (3) This course focuses on the study of public policy issues in other countries as a way to provide insight into public policy topics within the United States. This course is offered intermittently.

PS 30700 Public Affairs: Writing and Reporting (3) This course focuses on teaching students how to research and write as reporters. In addition, proper ways to conduct an interview will be covered. At the end of the course, students will be expected to present their public affairs papers as on-air essays on Lindenwood University's radio station (KCLC). This course is repeatable. This course is offered intermittently.

PS 30800 Debate (3) This course is designed to teach students the basics of public policy analysis debate. The course is not just related to actual debates themselves but also the search for information behind the development of positions. Students are taught how to search the Internet and use it in substantive ways. Sometimes this course is also used to help students learn how to write op-ed pieces for the university's newspaper. This course is repeatable for credit. This course is offered intermittently.

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, and the impact of the court on public policy. This course is offered fall semester of odd numbered years.

PS 31500 Policy Analysis Statistics (3) This course examines the use and abuse of statistics related to public policy issues. Use of government primary source data sites will be used to show how statistics can be used to understand effective and ineffective public policy issues. Students will generate their own charts and graphs using Microsoft Excel, drawing upon government data to generate their charts and graphs. This course is offered fall semester only. Prerequisite: MTH 14100.

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. This course is offered spring semester of odd numbered years.

PS 34500 Campaigns & 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. This course is offered fall semester of even numbered years.

PS 35000 International Relations (3) (GE-CrsCit) 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. This course is offered spring semester only.

PS 35100 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. This course is offered intermittently.

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. This course is offered intermittently.

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. This course is repeatable since the books change each semester. This course is offered every semester.

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. This course can be repeated. This course is offered intermittently. Prerequisite: permission of dean.

PS 39500 Public Affairs Forum (3) In this course a faculty member acts as a moderator and instructor. Depending upon the emphasis of the Public Affairs Forum, (e.g., county government efficiency, intergovernmental relations, state and local economic development), students will hear presentations by different practitioners and have the opportunity to ask questions. As assignments, students will write essays that compare and contrast the assigned readings with the course presentations. This course is offered intermittently.

PS 45000 Government Internship (1-6) Students can work in a political or public management environment and receive credit. Students interested in this internship are expected to keep a journal and write a lengthy research paper or several shorter papers related to the internship and keep in frequent touch with a faculty member who will be their mentor. This course can be repeated. This course is offered intermittently.

PS 47500 Governmental and Economic Research (3) At the heart of policy analysis research is the capability to draw upon, use, and interpret data. The federal government (as well as other levels of government and government-related organizations) releases data which can be used to provide policy analysis. Students will be shown how to find and use data such as Census data and data related to Leading Economic Indicators, as well as consumer and business data. This is the capstone course for Political Science and Public Administration majors. This course is offered spring semester only.

PSYCHOLOGY

PSY 10000 Principles of Psychology (3) (GE-SocSci) Students will explore basic psychological concepts, methods, and findings leading to an understanding of human behavior. Course offered every semester.

PSY 10100 Interactive Psychology (3) (GE-SocSci) This course is an exploration of significant lifestyle choices. 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. Course offered every semester.

PSY 20500 Human Development (3) This course is 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. Course offered every semester. Prerequisite: PSY 10000 and sophomore status.

PSY 20800 Child Psychology (3) This course is an introduction to factors influencing children's social and emotional, motor, cognitive, and language development from conception to late childhood. Course offered fall semester only. Prerequisite: PSY 10000.

PSY 21000 Psychology of Parenting (3) This course involves a critical examination of the scholarly literature on families and parenting from infancy through adulthood, including the transition to caring for one's own parents. A wide range of theories and research related to parenting will be discussed, with a focus on their application to practical issues of everyday life. Prerequisite: PSY 10000.

PSY 22000 Health Psychology (3) This course is an investigation and discussion of the psychological influences on how people stay healthy, become ill, and adapt physically, behaviorally, and cognitively when they become ill. Attention is given to the effect of the mind-body relationship and various socio-psychological variables on both physical and psychological health. Topics will include exercise, stress, weight control, pain management, meditation, coping styles, psycho-immunology, and behavioral habits. Course offered spring semester only. Prerequisites: PSY 10000.

PSY 23100 Critical and Creative Thinking (3) This course is an intensive experience designed to develop an understanding of the processes of problem-solving, creativity, and critical thinking. Students will be directly involved in activities through which they can explore and expand their own creativity in solving everyday problems encountered in management, decision-making, working, and living. Course offered intermittently. Prerequisite: PSY 10000 and C or better in ENG 17000.

PSY 23500 Psychology of Grief (3) This course provides the student with the opportunity to examine the issues of death and bereavement in the context of one's later life. Many people have participated in the systematic avoidance of death and paid the price in anxiety and burdensome defenses. In this course, consideration is given to dramatic and violent forms of death, the kind that go by such names as homicide, suicide, genocide, terrorism, accident, and disaster. However, students will not be allowed by these events to be lulled into believing that death mostly happens to other people, in other places, when something has gone very wrong. Course offered Fall semester only. Prerequisite PSY 10000.

PSY 30300 Abnormal Psychology (3) This course is a survey of major classes of mental disorders. Emphasis is given to understanding symptoms, the complex interaction of factors related to mental disorders, and controversies in the field. Course offered every semester. Prerequisite: PSY 10000.

PSY 30400 Basic Research Methods (3) This is a first course in the logic and methods of behavioral research. Students will complete group research projects that are designed to reinforce pivotal concepts. Must be taken concurrently with PSY 30600. Course offered every semester. Prerequisites: PSY 10000, C or

higher in MTH 14100, and one PSY, ANT, or SOC course above 20000-level.

PSY 30600 Behavioral Science Statistics (3) (GE-Math) The course places emphasis on the application of descriptive and inferential statistics in behavioral science research. Must be taken concurrently with PSY 30400. Course offered every semester. Prerequisites: PSY 10000, C or higher in MTH 14100, and one PSY, ANT or SOC course above 20000-level.

PSY 30900 Personality (3) Core concepts in the field of personality are studied, with an emphasis on how these concepts are integrated into personality theories and how they are evaluated scientifically. Students will apply these concepts in independent projects. Course offered spring semester only. Prerequisite: PSY 30300.

PSY 31100 Behavior Modification (3) This course is an introduction to environmental influences on human behavior with an emphasis on behavior modification procedures and behavior management. Course offered fall semester only. Prerequisites: PSY 30400.

PSY 31200 Psychology of Aging (3) This course is a study of psychological development in later adulthood. Internal and external influences on aging individuals and dynamics of continuity and change are explored. Mental health issues related to emotional, cognitive, and social functioning are addressed. Course offered spring semester only. Prerequisites: PSY 10000 and (PSY 20500 or SW 28000).

PSY 31300 Psychology of Adolescence (3) This course is a cultural approach to the study of physical, intellectual, emotional, and social development during the period of adolescence. Historical context and research studies are given special attention in studying the development of a sense of personal identity, changing roles in the family, school, and community, and problems of adjustment, delinquency, and drug abuse. Course offered spring semester only. Prerequisite: (PSY 20500 or SW 28000) and junior status.

PSY 32400 Psychological Testing (3) This course is a study of theory of mental measurement and the principles of reliability, validity, and standardization as they are applied to the construction, interpretation, and use of education and psychological tests. Tests of achievement, aptitude, intelligence, interest, and personality will be studied as illustrations of the problems of measurement and the variety of solutions to those problems. Ethics of test use will be given special consideration. Course offered every semester. Prerequisites: PSY 30300 and MTH 14100.

PSY 32500 Behavioral Neuroscience (3) This course examines the human nervous system focusing on the central nervous system, the development and function of nerve cells, and the relation between the brain and behavior. Topics include motivation, learning, sensation and perception, movement, emotions, and brain dysfunction. Course offered intermittently. Prerequisites: PSY 10000, BIO 10700, & two additional psychology courses above the 10000 level.

PSY 33000 Psychology of Learning and Memory (3) This course studies how old behaviors are changed and new behaviors are acquired as a result of experience. Attention is given to theories, models, and empirical findings in the field of learning and

memory. Course offered fall semester only. Prerequisite: C or higher in PSY 30400.

PSY 33100 Cognitive Psychology (3) This course examines mental processes that will include topics such as perception, attention, problem-solving, thinking and decision making. Theories and major concepts will be presented as well as some introduction to experimental methods used in cognitive research. Course offered intermittently. Prerequisites: C or better in PSY 30400.

PSY 33200 The Psychology of Motivation and Emotion (3) This course is an analysis of the major theories of motivation, the data on which they are based, and applications of motivation concepts. Course offered fall semester only. Prerequisite: PSY 10000 and C or better in ENG 17000.

PSY 33400 Social Psychology (3) This course is a study of theories of and research into the individual's interrelationships with other people and with his/her social groups. Topics include social motivation, socialization, personal perception, liking and attraction, conformity, persuasion, attitude formation and change, prejudice, and mob and crowd behavior. Course offered spring semester only. Prerequisite: PSY 10000 and C or better in ENG 17000.

PSY 34100 Psychotherapy (3) This course is an introduction to the theories, principles, and techniques of various current approaches to psychotherapy. Course offered fall semester only. Prerequisite: C or better in PSY 30900.

PSY 36500 Human Sexuality (3) This course is a survey of theories of and research into psychological aspects of human sexual behavior. Topics include sex differences in the development of sexuality, psychological factors in sexual behavior, sexual behavior in cross-cultural perspective, sexual behavior in special populations, aberrant sexual patterns, and current sexual trends in America. Course offered spring semester only. Prerequisite: PSY 10000 and C or better in ENG 17000 & (BIO 10700 or PE 20700).

PSY 40400 Advanced Research Methods (4) This is an advanced course in the techniques of behavior observation and analysis in which students learn to design and conduct behavioral research, to analyze the data meaningfully, and to present their findings to others. This course is strongly recommended for any student planning to pursue graduate studies in social or behavioral science. Course offered every semester. Prerequisites: C or higher in both PSY 30400 and PSY 30600.

PSY 41200 Disorders of Personality (3) This course provides an in-depth look at Personality Disorders. Topics include the various models currently used to understand this class of disorders, including cognitive, psychoanalytic, neurobiological, and interpersonal models. The primary aim is to gain an appreciation of the subtleties among the various personality disorders, and knowledge of the mechanisms which underlie such disorders, and issues related to the diagnosis and treatment of people with these conditions will also be addressed. This course is well suited for junior/senior level students moving toward careers in the counseling and psychotherapy field, the mental health field more generally, or other careers involving substantial contact with people with mental disorders. Course offered intermittently. Prerequisite: C or higher in PSY 34100.

PSY 42000 Senior Thesis (4) Advanced students will design,

conduct, and write up their own substantial research project. Students will be encouraged to participate in a regional and/or national conference to present the results of their work. Course offered every semester. Prerequisites: A grade of B or better in PSY 40400 and permission of dean.

PSY 43200 Senior Seminar (3) Students survey the history of psychology and analyze recent developments in various fields of psychology in historical perspective. Professional issues and ethics are covered. Course offered every semester. Prerequisites: 18 credit hours in Psychology and senior standing.

PSY 45000 Psychology Practicum (3) Advanced students may pursue opportunities to explore applications of psychology in independently-arranged off-campus supervised practicum experiences. Practica require prior mastery of psychological concepts related to the designated situation, and thus must be approved by the instructor prior to registration. Course offered every semester. Prerequisites: Minimum GPA of 3.0 in Psychology, Junior standing and instructor permission.

RECREATION LEADERSHIP

REC 10200 Introduction to Recreation and Leisure Services (3) A course designed to provide a description and analysis of the total field of recreation and leisure necessary for an informed career choice. Historical and philosophical foundations of recreation and leisure as a profession will be explored with reference to the influences of recreation and park movements, technology, economic and community impact on leisure delivery systems. Offered every semester.

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. Offered intermittently. Lab fee required.

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. Lab fee required. Offered every semester. NOT OPEN TO STUDENTS WITH CREDIT IN PE 11200.

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 every semester. Lab fee required.

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. Lab fee required. Offered every semester.

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. Lab fee required. Offered every semester.

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. Lab fee required. Offered every semester. NOT OPEN TO STUDENTS WITH CREDIT IN PE 12200.

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. Lab fee may be required. Offered intermittently.

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. Lab fee required. Offered intermittently. 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. Lab fee required. Offered every semester.

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. Offered intermittently. Lab fee required. NOT OPEN TO STUDENTS WITH CREDIT IN PE 13600.

REC 13700 Archery (1) This course will teach students the life-time 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. Offered intermittently. Lab fee required. 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. Offered intermittently. Lab fee required. NOT OPEN TO STUDENTS WITH CREDIT IN PE 14400.

REC 14500 Bicycling (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. Offered intermittently. Field trips required. Lab fee required. NOT OPEN TO STUDENTS WITH CREDIT IN PE 14500.

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. Offered intermittently. Lab fee 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. Offered intermittently. Field trips required. Lab fee required. NOT OPEN TO STUDENTS WITH CREDIT IN PE 14900.

REC 15200 Rappelling (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. Offered intermittently. Field trips required. Lab fee required. NOT OPEN TO STUDENTS WITH CREDIT IN PE 15200.

REC 15700 Outdoor Leisure Pursuits (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 every semester. Lab fee required.

REC 18600, 18700, 18900 Special Topics (1-3) These courses are concentrated studies of specific topics within the field of Recreation and Leisure studies. These courses are repeatable. Lab fee may be required. Offered intermittently.

REC 20300 Team Building and Cooperative Games (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. Offered intermittently. NOT OPEN TO STUDENTS WITH CREDIT IN PE 20300.

REC 20600 Leisure and the Quality of Life (3) (GE-SocSci) 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 every semester.

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 resume, cover letters, a portfolio, references, related experiences and interviewing skills. Offered Fall semester only. Prerequisite: Junior Standing.

REC 28600, 28700, 28900 Special Topics (1-3) These courses are concentrated studies of specific topics within the field of Recreation and Leisure studies. These courses are repeatable. Lab fee may be required. Offered intermittently.

REC 29200 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. Offered intermittently. Prerequisite: REC Chair permission.

REC 30500 Research and Evaluation in Recreation (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 PE 30500. Offered every semester. Lab fee required. Prerequisite: MTH 14100.

REC 31000 Foundations of 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. Offered Spring semester only. Prerequisite: ENG 17000.

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. Offered intermittently. Prerequisite: Instructor Permission.

REC 32500 Outdoor Recreation (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. Offered intermittently. Prerequisite: REC 10200 or NPA 10000.

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. Offered intermittently. Prerequisite: REC 10200 or NPA 10000.

REC 36200 Program Planning and Leadership (3) This course is designed for development of leadership programming skills for recreation programs in a variety of settings including: public, nonprofit and for profit sectors. Emphasis will be on activity selection, scheduling, marketing, staffing and evaluations. Students will also learn leadership skills through new and cooperative, competitive, and cooperative-competitive games and activities. Offered Spring semester only. Prerequisite: REC 10200 or NPA 10000.

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. Offered intermittently. Prerequisite: REC 10200 or NPA 10000.

REC 38100 Recreation Sites and Facility Management (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. Offered Spring semester only. Field trips required. Prerequisite: REC 10200 or NPA 10000.

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. Offered intermittently. Prerequisite: REC 10200.

REC 38600, 38700, 38900 Special Topics (1-3) These courses are concentrated studies of specific topics within the field of recreation and leisure studies. These courses are repeatable. Lab fee may be required. Offered intermittently.

REC 39000 High Adventure Leadership Training (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. Offered intermittently. Prerequisite: Approval of the instructor.

REC 39800 Practicum in Recreation (2-3) 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. Offered every semester. Prerequisite: Instructor approval.

REC 41000 Recreation Administration and Budgeting (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. Offered fall semester only. Prerequisite: REC 10200 or NPA 10000.

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. Offered intermittently.

REC 47200 Outdoor 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. Course offered intermittently.

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. Course offered intermittently. Prerequisite: Instructor permission.

REC 48900, 49000, 49100, 49300 Special Topics in Recreation Leadership (1-6) These courses offer directed studies in the management of recreation organizations, facilities and programs and includes study of unique situations, conditions and circumstances that occur in recreation, including program specific professional certifications. These courses are repeatable. Lab fee may be required. Offered intermittently. Prerequisite: Instructor approval.

REC 49400, 49500, 49600, 49700 Leadership Experience (1-3) These courses are directed study in recreation and leisure leadership experiences. Offered intermittently. Prerequisite: Instructor Approval.

REC 49800 Internship in Recreation (4-12) 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 4-8 credit hours must complete a minimum of 400 hours. Students enrolled in more than 8 credit hours must complete an additional 50 hours per credit beyond 8. The recreation agency must be approved by the instructor. Offered every semester. Prerequisite: Instructor Approval, junior Standing, and REC 36200.

RELIGION

REL 15000 World Religions (3) (GE-Phi-Rel/CrsClt) This course aims at familiarizing the student with the great religious systems of the world. Specific attention is given to Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. This course is offered every semester.

REL 20100 History of Christianity (3) (GE-Phi-Rel) This course surveys the origins, development, theology, and practices of Christianity from a historical perspective. Attention will be given to the major movements and figures within Christian history, the key theological debates, the historical differences between Western and Eastern Christianity, and the development of the central rituals and practices of Christianity. This course is offered every semester.

REL 20200 Religion in America (3) (GE-Phi-Rel) This course is an overview of the history and development of the major religious traditions in the United States, beginning with the Puritans and concluding with contemporary religious movements. Included are the beliefs, programs, and organizations of the major Protestant denominations, the Roman Catholic Church, and Judaism, along with ethno-religious groupings, ecumenical movements, and church-state relations. This course is offered spring semester only.

REL 21000 Old Testament (3) (GE-Phi-Rel) This course is an introduction to the analytical (or "critical") study of the Old Testament, which assumes no particular denominational or faith standpoint. The course familiarizes students with the content of the Old Testament, by teaching them to use reasoning abilities and the methods developed by modern critical scholars to understand that content. This course is offered fall semester only.

REL 21100 New Testament (3) (GE-Phi-Rel) This course is an introduction to the analytical (or "critical") study of the New Testament, which assumes no particular denominational or faith standpoint. The course familiarizes students with the content of the New Testament by teaching them to use reasoning abilities and the methods developed by modern critical scholars to understand that content. This course is offered spring semester only.

REL 22200 Amusements and American Religion (3) (GE-Phi-Rel) This course will be the study of religion, amusements and American popular culture and the move from Puritanism to "Prurientism" from 1776 to 1926. Paralleling and supporting the Religion in America course, this course will look at the progression of entertainment in America from the austere Puritan founders to the flouting of morals in the Roaring Twenties. This course is offered intermittently.

REL 23000 Intro to Asian Religions (3) (GE-CrsClt) This course is an intermediate level course designed to provide students with a basic understanding of the ideas, practices, texts, and social institutions of the major historical and contemporary religious traditions of Asia. The course focuses primarily on the Hindu, Buddhist, Confucian, and Taoist traditions; but attention is also given to Jain, Sikh, and Shinto traditions as time permits. The class will conduct field visits during the semester to acquaint students with the variety of Asian religions in America. This course is offered intermittently.

REL 28000 Selected Topics in Religion (3) (GE-Phi-Rel) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing.

REL 28100 Selected Topics in Religion (3) (GE-Phi-Rel/CrsClt) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing.

REL 28200 Selected Topics In Religion (3) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing.

REL 30000 Religion, Science, and Faith (3) (GE-Phi-Rel) This course is an overview of the issues in the dialogue between science and Religion. Discussion will include the following topics: relationship of science and Christianity, problems of reductionism in science and religion, understandings of human nature and the role of religion, and philosophical and theological views of evolutionary science. This course is offered spring semester only.

REL 30500 The Psychology of Religion (3) (GE-Phi-Rel) This course is an overview of the field of psychological study of religion and its impact on the individual and will provide an overview of psychological research in the areas of faith development, conversion experiences, religion/personality/mental health, and religious development from early childhood through old age. This course is offered fall semester only.

REL 31000 Islam and the West (3) (GE-Phil-Rel/CrsClt) This course explores the religion of Islam, its historic encounters with the West, the roots and development of the defining principles of the modern West, and the challenges posed by contemporary encounters between Islam and the West. The course also considers modern developments in Judaism and in Western attitudes toward Jews that led to the creation of the modern State of Israel. This course is offered intermittently.

REL 31800 Asian Religious Thought (3) (GE-CrsClt) This course is an introduction to the philosophies of India, China, Japan, and other countries in Asia and Asia minor. The course will focus primarily on Hindu, Buddhist, Confucian, and Taoist traditions. It will examine questions in metaphysics, epistemology, ethics, and social and political philosophy in both an historic and contemporary Asian thought. This course is offered intermittently.

REL 32000 Christian Thought (3) (GE-Phi-Rel) This course is an examination of the great foundational teachings of the Christian faith. Topics may include the nature of God, creation, salvation, the person and work of Christ, the church, and the end times. Attention will be given both to the history of the development of doctrine and to contemporary theological discussion of these teachings. This course is offered intermittently.

REL 32500 Faith and Reason (3) (GE-Phi-Rel) This course examines the relationship between faith and reason in Western thought. Discussion will include the following topics: the place of reason in religious discourse; scriptural reasoning; the relationship between faith, reason, and moral action; the contrast between reason and revelation as sources of knowledge; and the future of religious belief in a secular age. This course is offered intermittently.

REL 33000 Major Figures in Reformation Europe (3) (GE-Phi-Rel) This course examines the ideas of some of the leading thinkers of the European Reformation, how historical events and earlier writings may have influenced those thinkers, and what the historic impact of their ideas has been. The course may cover individuals such as Martin Luther, Erasmus, John Calvin, Richard Hooker, and others. This course is offered intermittently.

REL 38000 Selected Topics in Religion (3) (GE-Phi-Rel) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing

REL 38100 Selected Topics in Religion (3) (GE-PhiRel/CrsClt) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing.

REL 38200 Selected Topics In Religion (3) This course consists of concentrated work with topics relevant to the study of religion. This course may be repeated for different topics. This course is offered intermittently. Prerequisites will be noted in the course listing.

REL 40000 Senior Project (3) This course is the capstone course for Religion majors that consists of an in-depth research paper over a topic chosen in consultation with the advising faculty member and the Department of Religion. The course is offered for individual students with permission of the department This course is offered intermittently.

RETAIL MECHANDISING

RTAIL 15510 Introduction to Retailing (3) This is an introductory course designed to familiarize the student with the relationships between industries and services that comprise the field of retailing. Topics to be covered include product development, retail distribution, store planning, promotional activities, merchandising practices, organizational structure, and expense controls. Offered every semester.

RTAIL 15590 Special Topics in Retail Merchandising (3) This course explores unique retail topics and is designed to enhance the retail education of the student. Lab fee may be required. Prerequisite: Prerequisite: varies by topic offered.

RTAIL 25520 Retail Communications (3) This course introduces students to a variety of marketing and promotional strategies in the retail industry. The course is designed to help students understand and examine the promotional mix and the role and structure of promotion in retail. Topics to be covered include trade and national and retail advertising methods. Offered every semester.

RTAIL 25590 Special Topics in Retail Merchandising (3) This course explores unique retail topics and is designed to enhance the retail education of the student. Lab fee may be required. Prerequisite: Prerequisite: varies by topic offered.

RTAIL 35530 Retail Buying (3) This is an intermediate course in which students will analyze the buying function and the buyer's role in various retail organizations. Particular emphasis will be given to the buyer's responsibilities regarding consumer research, merchandising and management, domestic and foreign resources, and purchase negotiation. Offered fall semester only. Prerequisite: a grade of C or better in RTAIL 15510.

RTAIL 35535 Survey of Retail Operations (3) This course is designed to strengthen the student's understanding of the strategic framework of operational functions of retail firms. Topics to be covered include store management, market functions, business organization, and personnel. The course is designed to teach students how to analyze retail operations with regard to target markets, locations, and resource restrictions. Offered spring semester only. Prerequisite: a C or better in RTAIL 15510 or MRKT 35010.

RTAIL 35590 Special Topics in Retail Merchandising (3) This course explores unique retail topics and is designed to enhance the retail education of the student. Lab fee may be required. Prerequisite: varies by topic offered.

RTAIL 35591 Directed Studies in Retail Merchandising (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

RTAIL 45540 Retail Merchandising Control (3) This course is designed to provide an in-depth study of merchandising functions and control problems encountered in retailing. Topics to be covered include merchandise mixes, retail pricing, inventory management, cost controls, markup/markdown usage, and managing so as to meet profitability objectives. Particular emphasis will be given to analysis of profit and loss statements in determining retail profitability. Offered spring semester only. Prerequisites: a grade of C or better in MTH 13100, MTH 14100 and RTAIL 15510.

RTAIL 45590 Special Topics in Retail Merchandising (3) This course explores unique retail topics and is designed to enhance the retail education of the student. Lab fee may be required. Prerequisite: Prerequisite: varies by topic offered.

RTAIL 45591 Directed Studies in Retail Merchandising (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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

RTAIL 45595 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. Offered every semester. Prerequisite: permission of advisor, dean, and internship coordinator. Junior standing and a cumulative GPA of at least 3.0 are required.

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. Course offered intermittently.

SCI 21400 Ethical Problems in Science (3) (GE-BioSci) This course must be taken concurrently with CHM 10500 & BIO 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. Course offered intermittently. Co-requisites: BIO 11400 & CHM 10500.

SOCIOLOGY

SOC 10200 Basic Concepts of Sociology (3) (GE-SocSci) 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. Course offered every semester.

SOC 21400 The Family (3) (GE-SocSci) 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. Course offered every spring semester.

SOC 22000 Social Problems (3) (GE-SocSci) 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. Course offered every fall semester.

SOC 24000 The Sociology of Gender Roles (3) (GE-SocSci) The 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. Course offered every spring semester of odd numbered years.

SOC 31500 Alcohol, 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. Course offered intermittently. Prerequisites: ANT 11200 or PSY10000 or SOC 10200 and junior standing.

SOC 31800 Race and Ethnicity: A Global Perspective (3) (GE-CrsCit) This course focuses on patterns of race and ethnic relations throughout the world. Selected issues in contemporary race and ethnic relations in American society are examined. Cross Listed with ANT 31800. Course offered every semester. Prerequisite: ANT 11200 or SOC 10200 and junior standing.

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. Course offered in Fall semester of odd numbered years. Prerequisites: ANT 11200 or SOC 10200 and junior standing.

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. Course offered every fall semester. Prerequisites: ANT 11200 or CJ 10111 or PSY 10000 or SOC 10200 and junior standing.

SOC 32400 Social Interaction in Everyday Life (3) This course will examine the social routines and encounters that typify everyday life from the viewpoint of social psychology and especially the dramaturgical framework of Erving Goffman. Analysis will be given to cultural rules and expectations, explicitly stated or widely understood, that shape social action. Although the focus and level of analysis is generally microsociological, such larger structural issues as race, class, gender, and the like will be considered as an important part of the stage upon which social action is carried out. Course offered in Fall semester of even numbered years. Prerequisites: One previous course in ANT, CJ, PSY, or SOC and junior standing.

SOC 40000 Field Study (3) Students will be involved in conducting field research in sociology. Course offered intermittently. Prerequisites: SOC 10200 and SOC 32000 and junior standing.

SOC 42000 Sociocultural 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. Cross Listed with ANT 42000. Course offered in Spring semester of even numbered years. Prerequisite: ANT 11200 or SOC 10200 and junior standing.

SOC 45000 Internship in Sociology (3-9) Students will do an internship in a private or public institution or agency with a sociological focus. Course offered intermittently. Prerequisites: SOC 10200 and junior standing.

SOC 48900 Honors Project (6) Students will do a specialized in-depth research project with a sociological focus. Course offered intermittently. Prerequisites SOC 10200 and junior standing.

SPORT MANAGEMENT

SPMGT 17090 Special Topics in Sport Management (3) This course explores unique sport management topics and is designed to enhance the sport management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

SPMGT 27020 Orientation to Sport Management (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. Offered every semester.

SPMGT 27090 Special Topics in Sport Management (3) This course explores unique sport management topics and is designed to enhance the sport management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

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. Offered every semester. Prerequisite: a grade of C or better in SPMGT 27020 and MRKT 35010.

SPMGT 37050 Event 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. Offered every semester. Prerequisite: Junior or senior standing and a grade of C or better in MRKT 35010

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. Offered every semester. Prerequisite: Junior standing.

SPMGT 37090 Special Topics in Sport Management (3) This course explores unique sport management topics and is designed to enhance the sport management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

SPMGT 37091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & 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. Offered every semester. Prerequisite: grade of C or better in SPMGT 27020 & senior standing.

SPMGT 47090 Special Topics in Sport Management (3) This course explores unique sport management topics and is designed to enhance the sport management education of the student. Lab fee may be required. Offered intermittently. Prerequisite: varies by topic offered.

SPMGT 47091 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. Offered by arrangement only. Prerequisite: Permission of the instructor and dean of the School of Business & Entrepreneurship.

SPMGT 47095 Practicum in Sport Management (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 resume building, communication and networking skills to pursue an internship at an approved site within the sport industry. Students will work 10-20 hours per week, 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 practicum, and through a comprehensive written overview of the experience at the conclusion of the internship. Offered every semester. Prerequisite: sport management major and junior or senior standing.

SOCIAL WORK

SW 10000 Intercultural Communication Intercultural Communication (3) (GE-Comm) 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. This course is offered every semester.

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. This course is offered every semester.

SW 12000 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. This course is offered every semester. Prerequisite: SW 11000.

SW 24000 Human Diversity and Social Justice (3) (GE-SocSci) 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. This course is offered every semester.

SW 28000 Human Behavior in the Social Environment I (3) (GE-SocSci) This course examines theories and knowledge of human biopsychosocial-cultural 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 wellbeing. Human development will be viewed as a complex interaction between individuals and systems. This course is offered in the fall semester.

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. This course is offered intermittently. Prerequisite: junior status.

SW 31000 Social Work Practice I (3) This class 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 will be covered. Initiation and termination of helping relationships with diverse at risk populations will be explored. This course is offered in the fall semester. Prerequisites: SW 11000, SW 28000 and full admission to the major.

SW 31100 Social Work Practice II (3) 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. This course is offered in the fall semester. Prerequisite: SW 31000.

SW 32000 Social Welfare Policy and Service 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. This course is offered in the spring semester. Prerequisites: SW 11000, ECON 23010, PS 15500 or PS 15600 and ENG 17000 with a C or better.

SW 32500 Social Work Research Methods (3) 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. This course is offered in the fall semester. Prerequisites: SW 11000 and MTH 14100.

SW 35000 Group Work (3) Basic generalist social work skills to effectively develop, plan, facilitate, and evaluate group services are examined. Theories and models of group development, types of groups, group dynamics, and phases of groups will provide the framework for practical application of group leadership and effective group membership. A focus on group diversity and working with populations-at-risk will be presented. This course is offered intermittently. Prerequisite: junior status.

SW 38100 Human Behavior in the Social Environment II (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. This course is offered in the spring. Prerequisites: SW 11000, SW 28000, PSY 10000, and BIO 10700.

SW 39100—SW 39700 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, service learning, etc. This course can be taken for repeated credit with different topics. Lab fee may be required. This course is offered intermittently. Prerequisite: junior standing, consent of instructor.

SW 39900 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 service 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. This course is offered every semester. Prerequisite: SW 11000 and SW 12000.

SW 41200 Social Work Practice III (3) 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. This course is offered in the spring semester. Prerequisite: SW 31100.

SW 42100 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. This course is offered in the spring semester. Prerequisite: SW 32000.

SW 45000 Field Practicum (9) Students in supervised social work practice are provided opportunities to apply classroom learning in a field setting. Requires a minimum of 400 hours (25 hours per week to complete in one semester at the same agency). This course is offered every semester. Prerequisites: SW 39900 and permission of dean.

SPANISH

See page 112 of this catalog for the course description of all FLS courses.

SPECIAL EDUCATION

See page 96 of this catalog for the course description of all EDS courses.

SPORT MANAGEMENT

See page 149 of this catalog for the course description of all SPMGT courses.

THEATRE

TA 10000 Theatre Practicum (1-2) This course consists of practical work on stage productions generally in a crew capacity and is open to all Lindenwood students. Course numbers in the upper division reflect more sophisticated and responsible participation. All practicum students are expected to attend two practicum work days during the course of a semester. Repeatable for credit. Offered every semester.

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 semester only.

TA 10300 Oral Interpretation (3) This course consists of the study, analysis, and preparation of prose, poetry, and dramatic literature for oral presentation. Offered intermittently.

TA 10500 Fundamentals of Acting (3) (GE-FineArt) 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 every semester.

TA 11100 Introduction to Technical Theatre I (3) This course is an introduction to the total spectrum of technical theatre. 10 hours/week lab required. Offered fall semester only.

TA 11200 Introduction to Technical Theatre II (3) This course consists of further exploration of the rudiments of technical theatre (lighting, properties, set construction, etc.). Ten hours/week lab required. Offered Spring semester only. Prerequisite: TA 11100 or permission of dean.

TA 11700 Introduction to the Theatrical Arts (3) (GE-FineArt) 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. Studio fee may apply. Offered every semester.

TA 20000 Theatre Practicum (1-2) This course consists of practical work on stage productions generally in a crew capacity and is open to all Lindenwood students. Course numbers in

the upper division reflect more sophisticated and responsible participation. All practicum students are expected to attend two practicum work days during the course of a semester. Repeatable for credit. Offered every semester. Prerequisite: TA 10000 or permission of dean.

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. Offered Spring semester only. Prerequisite: TA 10100 or permission of dean.

TA 20400 Stage Voice and Movement (3) This course examines the basic exploration of the actor's voice and body as psychologically and physically responsive instruments. Prerequisites: TA 10100 or permission of dean. Offered spring semester only.

TA 20700 Introduction to Theatrical Design (3) This course is an exploration of the principles of stage scenery and lighting in visualizing the ideas required by a stage production. Skills are focused on research, the design concept, and practical drafting, models, and renderings. Projects for presentation include drama, musicals and dance, and serve as a foundation for developing student portfolios. Offered fall semester only. Prerequisite: TA 11200.

TA 20900 Intro to Costume Design (3) This course is an introduction to the process of costume design. Prerequisite: TA 11100, TA 21200/ FD 21200 or equivalent. Offered intermittently.

TA 21000 Stage Management (3) This course explores the principles and processes of the stage manager. The course will include examinations of physical equipment, performance procedures, and the production of a practical prompt book. Students will be required to stage manage a scheduled studio production. Offered every semester.

TA 21200 Beginning Costuming and Fashion Design Studio (3) This course focuses on the basic components of clothing and costume construction techniques. Studio feature of the class will provide students in Theatre and Fashion Design opportunities to work together and within their specific areas of study on various projects. Studio fee may apply. NOT OPEN TO STUDENTS WITH CREDIT IN FD 21200. Offered intermittently. Prerequisite: credit or concurrent enrollment in TA 23000.

TA 21600 Stage Make-up (3) Students will develop techniques in the design and application of stage make-up. Studio fee will apply. Offered Spring semester only.

TA 23000 Patternmaking I (3) This course examines the development of the basic sloper for patternmaking and its manipulation to create original designs by the flat pattern method. Not open to students with credit in FD 23000. Offered fall semester only. Co-requisite: TA 21200.

TA 23500 Patternmaking II (3) This course is a continuation of sloper manipulation for flat pattern design. Not open to students with credit in FD 23500. Offered spring semester only. Prerequisite: TA 23000.

TA 30000 Theatre Practicum (1-2) This course consists of

practical work on stage productions generally in a crew capacity and is open to all Lindenwood students. Course numbers in the upper division reflect more sophisticated and responsible participation. All practicum students are expected to attend two practicum work days during the course of a semester. Repeatable for credit. Offered every semester. Prerequisite: TA 20000 or permission of dean.

TA 30100 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. Repeatable for credit. Offered every semester. Prerequisites: TA 20100.

TA 30300 Seminar in Musical Theatre (3) This is an advanced studio course focusing on various components of musical theatre performance. Repeatable for credit. Offered every semester. Prerequisites: TA 20100, 2 hours from MUS 10400, MUS 20400, MUS 30400, and/or MUS 40400 plus, 3 hrs. Tap from DAN 21100, DAN 21200, DAN 31100, DAN 31200, DAN 41100, or DAN 41200 and 3 hrs. Jazz dance from DAN 20400, DAN 20500, DAN 30400, DAN 30500, DAN 30600, DAN 40400, DAN 40500, and/or DAN 40600.

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. Offered every semester. Prerequisites: ENG 17000 with a "C" or better, TA 20100.

TA 30500 Scenography (3) This course is an exploration of the European approach to stage productions in which a scenographer creates the total visual environment including sets, lights, and costumes. The conceptualization process will be examined through script analysis and graphic projects exploring traditional, non-traditional, and naturalistic approaches to stage productions. This course should be taken concurrently with TA 30600. Offered spring semester only. Prerequisite: TA 11200, or permission of instructor.

TA 30600 Directing (3) This course consists of fundamental theory and practice for the stage director. This course should be taken concurrently with TA 30500. Offered Spring semester only. Prerequisite: TA 30400, or permission of dean.

TA 31700 History of Costume and Fashion (3) (GE-FineArt) This course is structured as an overview of the history of Western dress. Not open to students with credit in ART 37100. Offered intermittently. Prerequisites: ART 22200 OR ART 22400 or permission of dean.

TA 33500 Modern Drama (3) (GE-Lit/FineArt/CrsClt) This course is a study of directions in modern and contemporary drama from Ibsen to the present. including realistic, naturalistic, symbolist, poetic, expressionist, existentialist, "epic," and experimental plays. Not open to students with credit in ENG 33500. Offered Spring semester only. Prerequisite: ENG 17000 with a "C" or better or permission.

TA 33600 Survey of Dramatic Literature (3) (GE-Lit/FineArt/CrsClt) This course examines all major periods of the Western World from ancient Athens to the present. Offered fall semester only. Offered every semester. Prerequisite: ENG 17000 with a "C" or better or permission.

TA 33700 Seminar in American Drama (GE-Fine Art) (3) This course will explore the history and development of dramatic literature in America. American playwrights and their work from 1770 to the present will be examined. This seminal heritage of uniquely American theatre forms the foundation for the eventual rise of main stream modern drama in the United States. Prerequisite: ENG 17000 with a "C" or better or permission.

TA 35000 Directing II (3) This course consists of further study of directing as a process culminating in the direction of a short public performance. Studio fee may apply. Prerequisite: TA 30600 with a grade of C or better.

TA 37000 History of Theatre (3) (GE-FineArt/Crsclt) This course is the study of drama in form and production, and its basis in historical and contemporary culture. Offered fall semester only. Prerequisite: ENG 17000 with a "C" or better or permission.

TA 38600 Special Topics (3) (GE-FineArt) This course is a focused examination of a specific subject in the field of theatre. May be repeated as topics vary. This class can satisfy the General Education Fine Arts requirement. Lab fee may be required. Offered intermittently.

TA 38700 Special Topics (3) (GE-FineArt/CrsClt) This course is a focused examination of a specific subject in the field of theatre. May be repeated as topics vary. This class can satisfy either the General Education Fine Arts or General Education Cross Cultural requirement. Lab fee may be required. Offered intermittently.

TA 38800 Special Topics (1-3) This course is a focused examination of a specific subject in the field of theatre. May be repeated as topics vary. This class is not a General Education class. Lab fee may be required. Offered intermittently.

TA 40000 Theatre Practicum (1-2) This course consists of practical work on stage productions generally in a crew capacity and is open to all Lindenwood students. Course numbers in the upper division reflect more sophisticated and responsible participation. All practicum students are expected to attend two practicum work days during the course of a semester. Prerequisite: TA 30000 or permission of dean. Repeatable for credit. Offered every semester.

TA 40100 Advanced Acting Studio (3) This course is designed to be an advanced acting class for scene work and acting styles. Topics will include Shakespeare, comedy, Neoclassic, Restoration, and various other styles. Repeatable for credit. Offered every semester. Prerequisites: TA 20100.

TA 40400 Applied Design and Technical Theatre Studio (3) This course is based in practical design and technical theatre work from conceptualization to actualization on a fully realized production, concentrating on style, period, and genre of the piece. Specific application of technical related skills is a major part of this course. May be repeated for credit with the permission of dean. Offered every semester. Prerequisites: TA 20700.

TA 40500 Advanced Costume and Fashion Design Studio (3) This studio course introduces the student to the process of creating original designs. Studio fee may apply. Offered intermittently. Prerequisites: TA 23000/ FD 23000.

TA 40600 Advanced Directing (3) This course offers advanced exercises in analysis and style leading to the production of a one-act play. Repeatable for credit. Studio fee may apply. Offered every semester. Prerequisite: TA 35000 with letter grade of C or above and permission of dean.

TA 40700 Advanced Set Design (3) This studio course is designed for the student interested in a career in scenic design. Designs are chosen and completed with an emphasis on portfolio and personal artistic growth through diversification of techniques into related genres. Repeatable for credit. Offered every semester. Prerequisite: TA 20700.

TA 40800 Advanced Lighting Design Studio (3) This studio course is designed for the student interested in a career in lighting design. Designs will be chosen to build individual portfolios and to expose students to the specific consideration of opera, dance, and concert genres. Repeatable for credit. Offered every semester. Prerequisite: TA 20700.

TA 40900 Advanced Costume Design Studio (3) This studio course is designed for students interested in a career in costuming. Designs will be chosen to build individual portfolios and to challenge the advanced student's knowledge of costuming and design. Repeatable for credit. Offered intermittently. Prerequisite: TA 20900, TA 21200/ FD 21200, TA 23000 /FD 23000.

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, voice and movement studies. Offered intermittently. Prerequisites: TA 10100, TA 20100, TA 30100 or TA 40100 or permission of dean.

TA 46500 Professional Internship (1-6) The student will work for a professional theatre in a capacity related to his or her emphasis. Offered every semester. Prerequisite: Student must have achieved at least sophomore standing and must have the supervising instructor's permission. Repeatable for credit up to six hours.

TA 48000 Senior Seminar (3) This practical course is designed to prepare students for their successful entry into various careers associated with theatre, including middle and secondary school teaching, admission to graduate school, professional performance, directing, and/or technical theatre work, etc. Offered spring semester only. Prerequisite: senior standing and permission of dean.

TA 49900 Senior Project (3) All senior level B.F.A. students must enroll in this course which is a culmination of their work at Lindenwood. Each student will meet in consultation with a faculty member to develop his/her senior project. In all cases, a proposal for the senior project must be submitted in writing and approved by the faculty sponsor. Whenever possible, the proposal should be submitted the semester before the project in question. A studio fee may be assessed. Offered every semester.

Faculty

Abbott, Marilyn S. (1997)

Professor of Biology, Dean, School of Sciences and Chair,
Department of Biology
A.B., Indiana University, Ph.D., Purdue University; Postdoctoral
Fellow, Harvard University Biological Laboratories

Alameda, Annie (2007)

Assistant Professor of Physical Education
B.S., Illinois State University; M.S., Saint Louis University;
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Allen, Robert (2008)

Assistant Professor of Business and Division Chair, School of
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B.S., Missouri Valley College; M.B.A., University of Missouri-
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Alsobrook, Joseph A. (2004)

Assistant Professor of Music and Chair, Department of Music
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Ammann, Elizabeth M. (1984)

Associate Professor of Accounting
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Anderson, C. Gregory (2010)

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Arns, David H. (1999)

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Ayres, Deb (2008)

Assistant Professor of Education and Chair, Department of
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Louis; Ed.D., University of Missouri-Columbia

Ayyagari, Rao (1983)

Professor of Biology
M.S., Bombay University; M.S., Ph.D., Loyola University of
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Balogh, Alexander (2005)

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Barnes, Janet L. (2007)

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Beckerle, John R. (2001)

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Bednarski, April (2008)

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Behrman, Gary U. (2009)

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Bell, John David (1992)

Professor of English and Foreign Languages
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Bice, Cynthia J. (2006)

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B.A., Lindenwood University; M.S., Central Missouri State
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University

Biggerstaff, Randy (1997)

Associate Professor of Education, Athletic Trainer, and Chair,
Department of Health and Fitness Sciences
B.S., University of Missouri-Columbia; M.S., Lindenwood
University; A.T.C.

Billhymer, Curtis (1991)

Professor of Communications
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Biri, Colleen (2003)

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Blasi, Gerald J. (2006)

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Blum, Erica (2008)

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Blythe, Stephen A. (2009)

Associate Professor of Computer Science
B.S., University of Delaware; M.S., Ph.D., Rensselaer
Polytechnic Institute

Bobo, Luke B. (2007)

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Boyd, James W. (2008)

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Boyle, Richard A. (1997)

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Brennan, Daniel J. (2007)

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Brickler, Kimberly K. (2003)

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Brown, David (2000)

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Brown-Hudson, Heather (2010)

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Burke, Sandra L. (2000)

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University

Canale, Ann (1981)

Professor of English
B.A., Rosary College; M.A., John Carroll University; M.A.,
Ph.D., University of Massachusetts at Amherst

Cannon, Douglas (2005)

Associate Professor of Business; Chair, Department of Retail
Merchandising; and Coordinator, SB&E Internship Program
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Carlos, Peter (2004)

Associate Professor of Communications and LUTV Station
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Carper, Michael (2006)

Assistant Professor of Philosophy
B.A., M.A., University of Nebraska-Kearney; M.T.S., Boston
University

Castro, Michael (1980)

Professor of Communications and Director, LCIE
Communications Degree Programs
B.A., State University of New York at Buffalo; M.A., Ph.D.,
Washington University, Post doctoral work: 1990 Fulbright
Summer Seminar in Arts & Culture of India

Cawly, John (2008)

Assistant Professor of Biology
B.S., M.S., Southern Illinois University-Edwardsville; Ph.D.,
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Cernik, Joseph A. (1990)

Professor of Political Science and Public Administration and
Chair, Department of Political Science
B.A., Adelphi University; M.A., Ph.D., New York University;
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Cloutier-Davis, Nancy (2003)

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Colemire, Bonnie (2008)

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Louis; M.F.A., Lindenwood University

Collier, Darren (2003)

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Coker, Stanley, (2008)

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Corbin, G. Paul (2004)

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Louis

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Delgado, Ricardo A. (2006)

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Dewan, Florence (2003)

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Dey, Sajalendu (2004)

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Evans, James D. (1974)

President and Professor of Psychology
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Ezvan, Mira (1984)

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Gorzynski, Richard (2001)

Assistant Professor of Physical Education
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Goulart, Rebecca (2008)

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Green, Christina Marie (1999)

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Grooms, Pamela (2007)

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Guffey, Ryan (2003)

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Hammond, Kay A. (1998)

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Hardman, James R. (Jay) (2000)

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F.A.C.H.E.

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Professor of Art
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Hauck, John (2004)

Associate Professor of Physics
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Heidenreich Jr., Donald (2000)

Professor of History and Dean of Institutional Research
B.A., San Francisco State University; M.A., University of
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Helton, Rebecca A. (1999)

Professor of Biology and Fine Art
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Center

Henderson Lee, Sarah (2010)

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Hendrix, Evelyn K. (2007)

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Henschke, John (2009)

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Theological Seminary; Th.M., Northern Baptist Theological
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Heyn, Hollis Carolyn (1996)

Associate Professor of English
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Hickenlooper, George L. (1992)

Professor of English
B.S., Georgetown University; M.A., Washington University;
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Highley, Shannon J. (2007)

Assistant Professor of Management and LCIE Faculty Advisor,
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Holloway, Chad (2010)

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Health Management and Gerontology Degree Programs
B.S., M.S., Illinois State University; Ph.D., University of Miami;
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Hopkins, Debbie L. (2005)

Professor of Earth Science and Mathematics
B.S., M.S., University of Utah; Ph.D., Virginia Tech

Horstmeier, James (1996)

Assistant Professor of Education and Director, LCIE Cross
Cultural, Humanities, and Social Science Clusters
B.S., University of Missouri; M.S., Lindenwood University

House, Steve (2003)

Associate Professor of Christian Ministry Studies
B.S., University of Missouri-Columbia; M.Div., Asbury
Theological Seminary; D.Min., Oral Roberts University School
of Theology

Hudgins, Molly (2003)

Associate Professor of Sport Management and Chair, Department
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University; J.D., University of Tennessee College of Law

Hurst, Spencer (1999)

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Hutson Jr., James Lee (2010)

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Maryland

Isenberg, Susan (2008)

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Jia, Darla (2010)

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B.S., North Dakota State University; Ph.D., University of
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Johnson, Debra L. (2003)

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Johnson, Kenneth (1996)

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Johnston, Christopher (2006)

Associate Professor of Mathematics
B.S., University of Missouri-Columbia, M.A., Michigan State
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Johnston, Gail (2003)

Professor of Biology
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Jones, Emily (2010)

Assistant Professor of Theatre
B.F.A., Midwestern State University; M.F.A., University of
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Kaminski, Virginia (1996)

Professor of Education
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Kamm, Judy K. (1996)

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Karraker, Holly Beth (2007)

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Kelly, Bruce (2001)

Professor of Psychology
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of Illinois

Kelly, Nicholas (2009)

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Kerksiek, Jo Ellen (1997)

Professor of History
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University of Kansas

Klar, Dana (2008)

Assistant Professor of Social Work
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Knotts, David (2005)

Professor, American Studies and Science and Dean, School of
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Lively, Jason Dude (2007)

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Assistant Professor of Criminal Justice
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Lovell, Joseph (2008)

Assistant Professor of Recreation Leadership
B.A., Southern Virginia University; M.S., University of Idaho

Mack, Jennifer (2010)

Assistant Professor of Accounting
B.S., M.G.E., University of Central Oklahoma; Ph.D., Walden University

Magnusen, Christy L. (2010)

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Manjounes, Cindy (2006)

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Marhanka, Darren (2004)

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Marsh, Meredith (2009)

Assistant Professor of Geography
B.A., Calvin College; M.A., Ph.D., University of California at Santa Barbara

Marzano, Michael P. (2009)

Assistant Professor of Management and Division Chair, School of Business and Entrepreneurship
B.S., Southern Illinois University-Edwardsville; M.B.A., Saint Louis University; M.I.M., Washington University; D.Mgt., Webster University

Mason, Michael M. (1991)

Professor of Religion and Chair, Department of Religion
B.S., Iowa State University; M.A., Loras College; M.Div., University of Dubuque Theological Seminary; D. Min., San Francisco Theological Seminary

Mathea, Michael (2010)

Assistant Professor of Economics
B.S., St. Norbert College; M.A., University of Houston

Mead, Mary Elizabeth (2004)

Associate Professor of Humanities and Director, LCIE M.F.A. in Writing Degree Program
B.A., M.F.A., University of Missouri-St. Louis

Menninga, Nadine L. (2007)

Assistant Professor of Mathematics
B.A., North Central College; A.M., Ph.D., University of Illinois

Mettler-Cherry, Paige (2004)

Assistant Professor of Biology
B.A., M.S., Ph.D., Southern Illinois University-Carbondale

Morris, Edward L. (2002)

Professor of Finance
B.A., Washington University; M.B.A., University of Pennsylvania; Ph.D., Saint Louis University

Mueller, Carla (1998)

Associate Professor of Social Work and Dean, School of Human Services
B.S., Southern Illinois University-Carbondale; M.S.W., University of Illinois-Champaign-Urbana; Post-graduate studies, University of Illinois-Chicago

Munro, Janice (2006)

Assistant Professor of Counseling and Assistant Dean, Department of Counseling
B.A., M.Ed., Ed.D., University of Missouri-St. Louis

Nack, Donna (2004)

Assistant Professor of Education
B.A., Harris-Stowe; M.A., Ed.S., Truman State University; Ed.D., Lindenwood University

Nagel, Shawn (2004)

Assistant Professor of Physical Education
B.S., Fort Hays State University; M.S. Ed., University of Kansas

Najjar, Annette Juliana (2001)

Professor of Economics and Chair, Department of Economics
B.S., University of West Indies; B.Ed., University of Toronto;
M.B.A., Millsaps College; Ph.D., Kennedy-Western University

Nicolai, Deborah (1993)

Associate Professor of Communications
B.A., M.A., Lindenwood University

Nohara-LeClair, Michiko (2002)

Professor of Psychology
B.S., University of Toronto; M.A.Sc., University of Waterloo;
Ph.D., University of Connecticut; Postdoctoral Fellow,
Concordia University (Montreal); Postdoctoral Fellow,
University of Kansas

Northcott, Donna (2007)

Assistant Professor of Theatre
B.A., Saint Louis University, M.A., Northwestern University

Nunez-Betelu, Maite (2008)

Associate Professor of Humanities
B.A., University of Basque Country, Spain; M.A., West Virginia
University; Ph.D., University of Missouri-Columbia

O'Banion, Patrick John (2010)

Assistant Professor of History
B.A., University of California at San Diego; M.A. Northwestern
University; M.A., Westminster Seminary in California, Ph.D.,
Saint Louis University

Oldani, John (2007)

Associate Professor of Education and Vice President for Student
Development
B.A., M.S.Ed., Southern Illinois University-Carbondale; M.Ed.,
Ed.D., University of Missouri-St. Louis

Onyia, Okey Peter (2009)

Assistant Professor of Marketing and Chair, Department of
Marketing
B.A., University of Calabar; M.B.A., University of Lagos;
M.Phil., OAU Ile-Ife; Ph.D., Strathclyde University, Glasgow

Overall, Gene (2006)

Associate Professor of Criminal Justice
B.A., Arkansas State University; M.A., Webster University; J.D.,
Saint Louis University

Panagos, Rebecca Jean (1996)

Professor of Education and Chair, Department of Teacher
Education
B.A., M.A., Louisiana Tech University; Ph.D., University of
Missouri-Columbia

Patterson, Marilyn Miller (1992)

Professor of Psychology
B.A., Florida State University; M.S., Ed.D., Memphis State
University

Panta, Humnath (2011)

Assistant Professor of Finance and Assistant Director, LCIE
Business Administration Programs
B.A., Tribhuvan University; M.A., Ohio University; Ph.D.,
University of Texas

Pas, Justine (2010)

Assistant Professor of English
B.A., M.A., California State University-Fullerton; Ph.D.,
University of Michigan

Patzius, Billi J. (2007)

Assistant Professor of Criminal Justice and Director, LCIE Fire
Science and Graduate Criminal Justice Degree Programs
B.A., University of Missouri-St. Louis; M.A., University of
Missouri-St. Louis

Pennington, Heather (2010)

Assistant Professor of Education
B.S., Samford University; M.A. University of Alabama

Perantoni, Edward (1994)

Professor of Earth Sciences and Chair, Department of Earth
Sciences
B.S., University of Nebraska; B.S., Maryville College; M.A.,
California State University; Graduate Certificate in Meteorology,
University of Oklahoma; Ed.D, Lindenwood University

Pettit, Thomas (2006)

Assistant Professor of Communications
B.A., M.A., University of Kansas

Plate, Daniel (2004)

Assistant Professor of English
B.A., Taylor University; M.F.A. University of Arkansas; M.A.,
Washington University; Ph.D., Washington University

Poertner, Tim (2008)

Associate Professor of Theatre
B.A. University of Missouri-Columbia, M.F.A., University of
Texas-Austin

Porter, Renee (2007)

Associate Professor of Management and Interim Associate Dean,
School of Business and Entrepreneurship
B.S., University of Southern Mississippi; M.B.A. Southern
Illinois University-Edwardsville; Ph.D., Saint Louis University

Qualls, Melissa (2002)

Assistant Professor of English
B.A., M.A., Truman State University

Quiggins, Larry (2002)

Associate Professor and Associate Dean of Fine and Performing
Arts and Chair, Department of Theatre
B.A., M.F.A., Lindenwood University

Rankins, Michael (2008)

Assistant Professor of Counseling
B.Psy., M.Ed., Ph.D., University of Missouri-St. Louis

Reighard, Richard (1987)

Associate Professor of Communications and KCLC Operations
Director
B.A., M.A., Lindenwood University

Reineke, Megan (2011)

Assistant Professor of Education
B.S., Missouri State University; M.S., Purdue University, Ed. D.
Lindenwood University

RinconGallardo, Toni J. (1984)

Associate Professor of Psychology
B.A., M.A., Lindenwood University; Ph.D., Capella University

Rodermund, Robert (2010)

Assistant Professor of Finance
B.S.B.A., Washington University; M.S.C.F.E., University of Missouri-Columbia

Russell II, Keith A. (2007)

Associate Professor of English
B.A., Truman State University; M.A., Southeast Missouri State University; Ph.D., Southern Illinois University-Carbondale

St. Clair, Terry L. (2004)

Assistant Professor of Criminal Justice and Director, LCIE Undergraduate Criminal Justice Degree Programs
A.S., Drury College; B.S., Tarkio College; M.S., Lindenwood University

Sakahara, Suzanne A. (1978)

Associate Professor of Art
B.S., Fontbonne College; M.A., Saint Louis University; M.A., Washington University

Schaefer, Patricia (2009)

Assistant Professor of Human Resource Management
B.G.S., University of Missouri-St. Louis; J.D., Saint Louis University

Schneider, Nancy (1999)

Associate Professor of Education
B.S., M.S., Ed.S., Southwest Missouri State University; Ed.D., University of Missouri-Columbia

Scholle, Benjamin A. (2002)

Associate Professor of Communications and Chair, Department of Video
B.A., Washington University; M.F.A., American University

Schroeder, Cynthia A. (2010)

Assistant Professor of Education
B. S., Southern Illinois University-Carbondale; M.S. Northeastern Illinois University-Chicago; Ph.D. University of Kansas-Lawrence

Schnellmann, Ana (1995)

Professor of English
B.A., The College of St. Benedict; Graduate Certificate, M.A., Ohio University; Ph.D., Saint Louis University

Schuler, Craig (2004)

Assistant Professor of Education, Assistant Football Coach, and Fitness Center Supervisor
B.A., Benedictine College; M.Ed., University of Kansas

Schwab, Roxanne (2010)

Assistant Professor of English
B.A., Webster University; M.A., Indiana University; M.A., Ph.D., Saint Louis University

Scribner, Christopher (2000)

Professor of Psychology and Chair, Department of Psychology
B.A., Earlham College; Ph.D., University of Tennessee

Scupin, Ray (1981)

Professor of Anthropology and Director of the Center for International and Global Studies
B.A., University of California-Los Angeles; M.A., Ph.D., University of California-Santa Barbara

Sharp, Chryssa (2008)

Assistant Professor of International Business
B.S., University of Illinois at Champaign-Urbana; M.B.A., Thunderbird School of Global Management; Ph.D., University of Calgary, Alberta, Canada

Sherblom, Stephen (2008)

Associate Professor of Education
B.A., University of Massachusetts; Ed.M., Ed.D., Harvard University; Postdoctoral Fellow, Washington University

Singer, Robert A. (2009)

Associate Professor of Accounting
B.S., M.B.A., Ph.D., Saint Louis University; CPA

Smith, Jeffrey (1996)

Professor of History and Chair, Department of History and Geography
B.A., Mount Union College; M.F.A., Syracuse University; Ph.D., University of Akron

Smith, Kris Runberg (2002)

Associate Professor of History
B.A., University of Idaho; M.A., Washington State University; Ph.D. Saint Louis University

Stanfill, Diana (2010)

Assistant Professor of Education
B.A., M.S., Kansas State University; Ed.D., Lindenwood University

Stein, Michael Carl (1992)

Professor of Sociology
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Stewart, Terrance A. (2007)

Assistant Professor of Education
B.S., University of Missouri-Columbia; M.S., Central Missouri State University; Ed.S., University of Missouri-Columbia; Ed.D., University of Missouri-Columbia.

Streb, Arthur (2009)

Assistant Professor of Education
B.S., University of Missouri-Columbia, M.A., Maryville University, Ed.S., Lindenwood University, Ed.D, University of Missouri-St. Louis

Strzelec, Janet (2005)

Associate Professor of Dance and Chair, Department of Dance
B.S., Southern Illinois University-Edwardsville; M.F.A., Lindenwood University

Talbott, F. Robert (2007)

Assistant Professor of Management Information Systems and Chair, Department of Management Information Systems
B.S., SIU-Edwardsville; M.B.A., Lindenwood University

Thies, Jeanie (2007)

Assistant Professor of Criminal Justice
B.A., University of Missouri-Columbia; M.A., Ph.D., University of Missouri-St. Louis

Thomas, Michael (2010)

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B.A., M.F.A., The Ohio State University

Thomason, Andrew (2004)

Assistant Professor of English and Chair, Department of American Studies
B.A., Lindenwood University; M.A., M.L.A., Washington University

Thouvenot, Frank (2005)

Assistant Professor of Education and Chair, Department of Teacher Education
B.S.E., M.Ed., University of Missouri-St. Louis; Ph.D., Saint Louis University

Towers, Donna (2001)

Assistant Professor of Education
B.S., Lindenwood University; M.A., Ed.S., Northeast Missouri State University; Ed.D., California Coast University

Townsend, Maryann (1995)

Assistant Professor of Management and Management Information Systems
B.A., M.S., M.B.A., Ed.D., Lindenwood University

Tretter, Sue Ann (1994)

Professor of English and American Studies
B.A. Maryville University; M.A.T., Webster University
M.A., Ph.D., Saint Louis University

Troy, John (2002)

Associate Professor of Art and Chair, Department of Art
B.F.A., Washington University; M.F.A., Temple University

Trujillo, Lorenzo (2009)

Assistant Professor of Music
B.S., University of Louisville; M.F.A., California Institute of the Arts; D.M.A., University of California-Los Angeles

Turner, Julie (2007)

Assistant Professor of Nonprofit Administration and Chair, Departments of Nonprofit Administration and Fire and Paramedic Sciences
B.A., Hope College; M.A., Michigan State University; Ph.D. University of Missouri-St. Louis

Vahle, William B. (2004)

Associate Professor of Management
B.S., Purdue University; M.B.A., University of Michigan

Van der Graaf, Vanessa (2008)

Assistant Professor of Education
B.S., University of Missouri-St. Louis; M.Ed., Ed.S., Ed.D., Lindenwood University

Van Dyke, C. Renee (2001)

Associate Professor of Mathematics and Computer Science and Chair, Department of Computer Science
B.S., Towson State University; M.S., Midwestern State University

Vazis, Dean (2006)

Assistant Professor of Education and Chair, Department of Educational Leadership
B.S., Southwest Missouri State University; M.A., Truman State University; Ed.S., Ed.D., University of Missouri-Columbia

Voss, Edward (2006)

Assistant Professor of Communications and LUTV Operations Manager
B.A., University of Missouri; M.A., Webster University

Wall, Mike (2001)

Associate Professor of Communications, Program Manager of Mass Communications, Dean, School of Communications, and KCLC Radio General Manager
B.A., M.A., Lindenwood University

Walsh, Donnell (1991)

Professor of Theatre and Dean, School of Fine and Performing Arts
B.A., University of San Francisco; M.F.A., Stanford University

Wang, David (2010)

Assistant Professor of Communications
B.A., Drake University; M.F.A., Louisiana Tech University

Weitzel, Jann Rudd (1995)

Professor of Education and Vice President for Academic Affairs and Provost
B.A., M.A., University of Northern Iowa; Ph.D., University of Iowa

Weir, Graham (2009)

Assistant Professor of Education and Chair, Department of Educational Leadership
B.A., Principia College, M.A. Truman State University, Ed.S., Ph.D., Saint Louis University

Welsh, Chad T. (2010)

Assistant Professor of Biology
B.S., M.S., Middle Tennessee State University; Ph.D., University of Louisville

Whaley, Michael J. (2002)

Associate Professor of History and Dean, School of Humanities
B.A., The University of Missouri; M.A., University of Missouri-St. Louis; Ph.D. Southern Illinois University

Willbrand, Kimberly (2010)

Assistant Professor of Accounting
B.S.B.A., University of Missouri-St. Louis; M.B.A., Lindenwood University; CPA

Williams, William Shane (2005)

Assistant Professor of Music
B.S., Austin Peay State University; M.M., University of Missouri-Columbia

Williamson, Shane Y. (2007)

Associate Professor of Education and Dean of First-Year Programs
B.S.B.A, M.S., Shippensburg University; Ed.D., Rutgers University

Wisdom, Sherrie (2009)

Assistant Professor of Education
B.S.E., Truman State University; M.Ed., University of Missouri-Columbia; M.A., University of Missouri-St. Louis; Ed.S., Webster University; Ed.D., Lindenwood University

Witherspoon, Pernell (2005)

Assistant Professor of Criminal Justice and Chair, Department of Criminal Justice
B.S., M.S., Ph.D., University of Missouri-St. Louis

Wright, Paul (2007)

Assistant Professor of Physical Education
B.S., M.S., Clemson University; Ph.D., University of Utah

Young, Delaine C. (2001)

Associate Professor of Education and Athletic Trainer
B.A., Lakeland College; M.Ed., Southern Illinois University-Edwardsville

Zweier, Tricia (2011)

Assistant Professor of Dance
B.S., Richard Stockton College of New Jersey; M.S., M.F.A., University of North Carolina-Greensboro

Professional Staff

Ahne, Kelly (1993)

Instructor of Management and Accounting Assistant
B.A., University of Missouri-Columbia; M.B.A., Lindenwood University

Barger, Brett (2005)

Dean of Evening Admissions and Extension Campuses
B.A., M.B.A., Lindenwood University

Baum, Jane (2009)

Athletic Development Director
B.A., Lindenwood University

Beard, Julie (2005)

Assistant Professor of Communications and Director of Executive Communication
B.F.A., Stephens College; M.S.J., Northwestern University

Bhatnagar, Rita (2007)

Systems Analyst
B.S., M.B.A., University of Udaipur

Biggerstaff, Amanda (2005)

Systems Analyst
B.S., M.B.A., Lindenwood University

Bezemes, Peter (2008)

Executive Director of the J. Scheidegger Center for Fine and Performing Arts
B.A., Lindenwood University; M.S., Boston University

Bode, Lori (2006)

Director of Financial Aid
B.A., Lindenwood University

Brown, Linda (2006)

Assistant Professor of Education and Southwest Missouri Student Advisor
B.A., Southwest Baptist University; M.Ed., Drury University

Canavan, Tim (2008)

Director of Student Life Sports
B.S., M.A.T., Lindenwood University

Carriker, Colleen (2007)

Assistant Manager, LU Commons and Head Dance Coach
B.A., M.A., Lindenwood University

Castillo, Crystal (2010)

Admissions/Financial Aid Counselor and NCAA Liaison
B.A., M.B.A., Lindenwood University

Cox, Kerry (2007)

Director of Student Activities
B.A., M.A., Lindenwood University

Creer, John (1991)

Dean of Intercollegiate Athletics
B.A., Western Michigan University; M.S.Ed., Troy State University

Cribbin, Jack (2007)

Women's Lacrosse Coach and Athletic Marketing Director
B.A., M.A., Lindenwood University

Curic, Nenad (2008)

Financial Aid Counselor
B.A., M.B.A., Lindenwood University

Curtis, Tommi (2008)

Campus Director-South County
B.A., Lindenwood University

Dickherber, David (1998)

Instructor of Management and Spirit Shoppe Manager
B.A., Southern Illinois University-Carbondale; M.B.A., Lindenwood University

Dorlac, Michael Anthony (2006)

Instructor of Education and Reference Librarian
B.A., Webster University; M.A., University of Missouri-Columbia

Duggan, Christopher (2006)

Instructor of Communications and Public Relations Coordinator
B.A., University of Missouri-St. Louis; M.A., Lindenwood University

Edele, Susan (2007)

Assistant Professor of Humanities and Writing Center Coordinator
B.S.E., Truman State University; M.A., University of Missouri-St. Louis

Edwards, George (2006)

Assistant Professor of Education and North County Coordinator
B.S., University of Arkansas-Pine Bluff; M.A., Truman State University; Ed.D., Lindenwood University

Feely, John (1996)

Assistant Professor of Humanities and Associate Dean of Graduate Education Initiatives
B.A., Lindenwood University; M.Ed., University of Missouri-St. Louis

Ferracane, Katie (2010)

Admissions/Financial Aid Counselor
B.S., Missouri State University

Ferrario, Victoria K. (2010)

Lab Coordinator, Biology and Chemistry
B.A., Eastern Illinois University; M.S., University of Missouri-St. Louis

Finnegan, Barry (2002)

Instructor of Management and Dean of Academic Services
B.A., M.B.A., Lindenwood University

Fournier, Rift (2007)

Artist in Residence, Communications
B.S., Creighton University

Fraier, Whitney (2008)

Director of Alumni Relations
B.A., Murray State University; M.A., Lindenwood University

Geiser, Jackie (2005)

Director of Day Admissions Transfer and Articulation Services
B.A., University of Missouri-Columbia

Gleason, Suzanne (2006)

Instructor of Education and Technical Services Librarian
B.A., University of Nebraska-Lincoln; M.A., University of Missouri-Columbia

Gress, Sara (2010)

Admissions/Financial Aid Counselor
B.A., Lindenwood University

Goforth, Brandi (2006)

Assistant Director of Career Development
B.A., M.A., Lindenwood University

Haghighi, Shawn (2001)

Associate Professor of Mathematics and Computer Science and
Chief Information Officer
B.S., University of Tennessee; M.S., Fontbonne University

Hannar, Christine (2007)

Instructor of Management and Registrar
B.A., M.B.A., Lindenwood University

Harris, Edward (2003)

Assistant Professor of Education and Head Track and Field
Coach
B.S., Central Missouri State University; M.S., Ed.S., Southern
Illinois University-Edwardsville

Hajiyev, Emin (2007)

Director of International Student Center
B.S., Azerbaijan State Oil Academy, M.B.A., Lindenwood
University

Harris, Jeff C. (2009)

Associate Director of International Student Center and USCIS
Official
B.A., M.B.A., Lindenwood University

Hart, Cathy (2003)

Director of Student Success Center
B.S., University of Missouri-Columbia; M.S., Lindenwood
University

Hendricks, Ron (2008)

Campus Director-Wildwood
B.J., University of Nebraska; M.A., Lindenwood University

Herman, Suzie (2011)

Campus Director-St. Charles
B.A., M.A., Lindenwood University

Hester, Angela (2007)

Campus Director-Wentzville, O'Fallon, Lincoln County
B.S., Southeast Missouri State University; M.B.A., Lindenwood
University

Hubenschmidt, Carl (2000)

Instructor of Education and Reference Librarian
B.S., University of Missouri-Rolla; M.A., University of
Missouri-St. Louis

Huffman, Paul (2007)

University Archivist and Reference Librarian
B.A., Lindenwood University; M.A., University of Missouri-
Columbia

Huss, Francis C. (1996)

Associate Professor of Education and Graduate Education
Consultant
A.B., M.Ed., University of Missouri; Ph.D., Saint Louis
University

Hutter, Carl (1993)

Men's Soccer Coach and Assistant Athletic Director for
Facilities/Event Management
B.A., Missouri Valley College; M.S., Lindenwood University

Ingram, Daniel (2005)

Instructor of Mathematics and Director of Mathematics
Placement and Refresher Programs
B.S., M.B.A., Lindenwood University

Jackson, Chanda (1995)

Associate Athletics Director for Internal Affairs and Senior
Woman Administrator
B.S., Washington University; M.B.A., Lindenwood University

Johnson, Sheri Beth (2005)

Instructor of Management and Controller
B.S., M.B.A., University of Missouri-St. Louis

Jones, Jose (2008)

Instructor of Management and Accountant
B.A., M.B.A., Lindenwood University

Jump, James (2003)

Campus Director- North County
B.B.A., Western Michigan University; M.B.A., Lindenwood
University

Kaminski, Laurie (2004)

Women's Soccer Coach, Assistant Softball Coach, and Athletic
Office Administrator
B.A., Saint Louis University; M.A., Lindenwood University

Kandel, David (1990)

Chief Financial Officer, CPA
B.S.B.A., Farleigh Dickinson University

Kapeller, Terry (1993)

Instructor of Management and Chief Business Officer
B.A., Tarkio College; M.B.A., Lindenwood University

Kline, Melissa (2009)

Grants Manager/Prospect Researcher
B.A., M.B.A., Maryville University

Kroeger, Lara (2009)

Admissions/Financial Aid Counselor
B.A., M.B.A., Lindenwood University

LaFata, Sandi (2006)

Director of Extension Campus Management
B.A., Lindenwood University

LeClere, Katherine (2010)

Campus Director-St. Louis City
B.A., Lindenwood University

MacDonald, Elizabeth B. (2003)

Assistant Professor of History and Dean of Library Services
B.S., M.A., Southern Illinois University-Edwardsville; M.A.,
University of Missouri-Columbia

Maugeri, Kent (2009)

Instructor of Physical Education and Assistant Football Coach
B.A., Western Connecticut State University; M.A., Lindenwood
University

Marler-Rayfield, Sara (2007)

Assistant Professor of English and Chair of English Preparedness
Program
B.A., Truman State University; M.A., Southern Illinois
University-Edwardsville

McGrath, Michael E. (2004)

Senior Accountant
B.S., B.A., University of Missouri-St. Louis; M.B.A.,
Lindenwood University

Middleton, Tahreemah (2010)

Admissions/Financial Aid Counselor
B.A., Lindenwood University

Mircsov, Eric (2007)

Associate Director of Work and Learn
B.A., M.A., Lindenwood University

Miller, Abby (2007)

Assistant Professor of Education and Athletic Trainer
B.S., Central Methodist College; M.A., University of Nebraska-
Kearney

Moore, Carrie (2010)

Instructor of Physical Education
B. S. Missouri Valley College; M.S., Lindenwood Univeristy

Morros, Lucy S. (2007)

Professor of Humanities and Vice President for Institutional
Advancement
B.A., M.A., Ph.D., Washington University

Mueller, Julie M. (2000)

Assistant Professor of Management, Vice President for
Operations and Finance, and Chief Operating Officer
R.N., Deaconess College of Nursing; B.A., Tarkio College;
M.B.A., Lindenwood University

Mullins, John B. (Ben) (2008)

Associate Director of Student Activities
B.A., Mackenzie University; M.A., Lindenwood University

Newman, Marshall (2007)

Assistant Men's Basketball Coach and Director of Intramurals
B.A., Webster University; M.A., Lindenwood University

Newton, Daniel (2007)

Sports Information Director
B.A., Truman State University; M.A., Lindenwood University

O'Neal, Kate (2001)

Director of Advancement Services and the Annual Fund
B.A., M.A., Lindenwood University

Parisi, Joseph A. (1998)

Dean of Undergraduate Admissions
A.A., St. Louis Community College at Meramec; B.S., Missouri
Valley College; M.S., Lindenwood University

Penrose, Craig (2001)

Assistant Professor of Education and Swimming and Diving
Coach
B.S., Southeast Missouri State University; M.A., M.B.A.,
Lindenwood University

Presson, Dan (2010)

Admissions/Financial Aid Counselor
B.A., Southeast Missouri State University

Queen, Scott W. (1996)

Director of Public Relations and Marketing and Associate
Athletics Director - External Affairs
B.A., M.A., Lindenwood University

Radcliff, Mary (2004)

Assistant Vice President and Executive Director of Community
Relations—Belleville Campus
B.A., M.A., Lindenwood University

Raisbeck, Rene (2006)

Director of Athletics Certification
B.A., M.S., Lindenwood University

Rebore, Christine (2010)

Assistant Athletics Director for Compliance
B.S., Palm Beach Atlantic University, M.B.A., Texas A&M
International University

Reid, Terry (2002)

Assistant Professor of Education and Southwest Missouri
Coordinator
B.S., M.S., Ed.S., Southwest Missouri State University; Ed.D.,
University of Missouri-Columbia

Revis, Kristen (2008)

Admissions/Financial Aid Counselor
B.A., M.A., Lindenwood University

Ross, Patrick (2004)

Head Football Coach and Sports Marketing Associate
B.A., University of Puget Sound; M.B.A., Kansas Wesleyan
University

Rodgers, Christie (2009)

Dean of Student Services
B.A., M.A., Lindenwood University

Ruff, Rebecca (2003)

Financial Aid Counselor and Athletics Department Liason
B.A., M.A., M.S., Lindenwood University

Russell, Terry (2000)

Instructor of Human Service Agency Management and Dean of Students

B.A., M.A., Lindenwood University

Rumsey, Christopher (1999)

Billing System Manager

B.A., M.B.A., Lindenwood University

Zchroer, Natalie (2010)

Graduate Admissions Counselor

B.A., M.A., Lindenwood University

Smith, Chad (2007)

Wrestling Coach and Fitness Center Director

B.A., M.A., Lindenwood University

Soderberg, Brad (2009)

Men's Basketball Coach and Sports Marketing Associate

B.S., University of Wisconsin-Steven's Point; M.S., Colorado State University

Stewart, Lindsay (2008)

Financial Aid Counselor

B.F.A., Webster University; M.A., Lindenwood University

Stuhler, Eric (2006)

Assistant Professor of Management, Director of Planned Giving, and In-house Legal Counsel

B.A., Lindenwood University; J.D. University of Missouri-Kansas City

Taylor, Betty (2007)

Director of Evening and Graduate Admissions Services

B.A., M.S., M.F.A., Lindenwood University

Thomsen, Roudina (2003)

International Credential Compliance Officer

B.A., M.A., M.S., Lindenwood University

Tolman, Michael (2004)

Director of Work and Learn

A.S., Keene State College; B.A., Western Illinois University; M.S., M.B.A., Lindenwood University

Trybula, Shannon (2009)

Campus Director-Westport

B.A., M.S.A., Lindenwood University

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