

# Lindenwood College

## UNDERGRADUATE CATALOG

### 1992-93

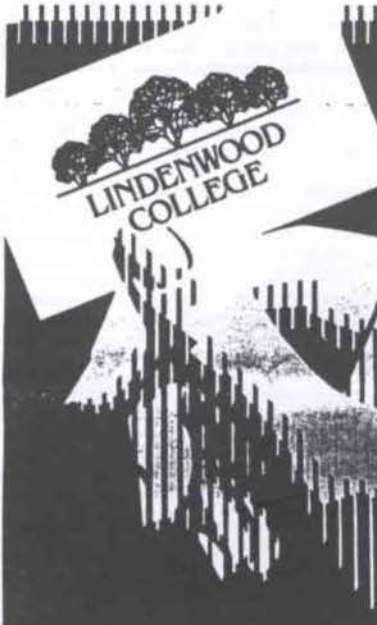
#### Semester Schedule Undergraduate Programs

##### Bachelor of Arts Degrees

Accounting  
Art History  
Biology  
Business Administration  
Chemistry  
Computer Science  
Corporate Communication  
Criminal Justice  
Early Childhood Education  
Early Childhood Special Education  
Elementary Education  
English  
French  
History  
Management Information Systems  
Marketing  
Mass Communication  
Mathematics  
Medical Technology  
Music  
Performing Arts  
Physical Education  
Political Science  
Psychology  
Public Administration  
Retail Marketing  
Secondary Education (*major in subject specialty*)  
Sociology  
Spanish  
Studio Art (*Bachelor of Fine Arts*)  
Theatre

#### Semester Schedule Graduate Programs

Master of Arts, Administration of Education  
Master of Arts, Art  
Master of Arts, Education  
Master of Arts, Theatre  
Master of Fine Arts, Theatre



**Semester  
Schedule**

St. Charles  
Westport

209 S. Kingshighway  
St. Charles, MO  
(314) 939-2000

#### MAP Schedule

Bachelor of Arts Degrees  
Business Administration  
Computer Science  
Criminal Justice  
Psychology

(some courses are offered on semester schedule)

#### Quarter Schedule

Graduate Degrees  
Master of Arts, Art  
Master of Business Administration (MBA)  
Master of Science (*business specialty area*)

#### Lindenwood College for Individualized Education (LCIE)

##### Undergraduate Degrees

Business Administration  
Corporate Communication  
Gerontology  
Health Management  
Human Resource Management  
Mass Communication  
Valuation Sciences (*Appraisal*)

##### Graduate Degrees

Master of Arts, Gerontology  
Master of Arts, Professional Counseling  
Master of Business Administration (MBA)  
Master of Science (*business specialty area*)  
Master of Science in Corporate Communication  
Master of Science in Health Management  
Master of Science in Human Service Agency  
Management  
Master of Science in Mass Communication  
Master of Valuation Sciences (*Appraisal*)

#### Trimester Schedule

##### Professional Counseling and School Counseling

Master of Arts, Professional Counseling  
Master of Arts, School Counseling  
Master of Arts, Professional and School  
Counseling  
School Psychological Examiner Certificate

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## Introduction

This catalog contains a description of the undergraduate programs offered on the traditional semester schedule of Lindenwood College. Separate catalogs are devoted to the description of the Modified Accelerated Program (MAP) and the Lindenwood College for Individualized Education (LCIE), and to the special requirements of the Lindenwood College Graduate Programs. 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 College.

Lindenwood College is an Equal Opportunity, Affirmative Action Employer. The College 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, and 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 College 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 conduct. 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 College community. The College 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 College's policy on non-discrimination should be directed to the Campus Life Office or executive offices of the College.

Lindenwood complies with the Drug-Free Schools and Communities Act of 1989, the Drug-Free Workplace Act of 1988 and the Student Right-to-Know and Campus Security Act of 1990, and seeks to provide a healthy, safe and secure environment for students and employees. (See Campus Life Handbook).

Lindenwood College is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools, and by the National Council for the Accreditation of Teacher Education. Lindenwood is a member of the American Assembly of Collegiate Schools of Business.

## Degree Programs

Lindenwood College offers academic programs leading to the Bachelor of Arts, Bachelor of Fine Arts, and Bachelor of Science degrees at the undergraduate level. At the graduate level, the College offers coursework leading to the Master of Science, Master of Arts, Master of Business Administration, Master of Fine Arts, and Master of Valuation Sciences. Interdisciplinary majors and minors are available in international studies and human resource management. In all divisions individualized degrees may be developed on a contract basis for interdisciplinary specialities. The major areas of concentration and the

format in which each degree is offered are listed on the first page of this catalog.

## The Mission of Lindenwood

The following mission statement of Lindenwood College was affirmed by the Board of Directors on February 17, 1987.

Lindenwood College is an independent, liberal arts college with a covenantal relationship with the Presbyterian Church. It is committed to the values inherent in the Judaeo-Christian tradition and believes in the importance of a value-oriented education for all of its students.

The College offers a wide range of undergraduate majors, both in the disciplines of the traditional liberal arts and sciences and in career-oriented areas. Its distinctive and flexible educational programs, offered in both traditional and innovative formats, are designed to meet the individual needs of a diverse student body which includes both traditional and non-traditional college-age students. The College also offers a number of graduate programs which are intended to meet the needs of working adults in the St. Louis metropolitan area.

Lindenwood College, founded in 1827, has a distinguished tradition as a residential college and its alumni have strong ties with their alma mater. The College appreciates the support of her graduates and seeks to foster and preserve the spirit of the campus experience through alumni activities. Today, the College continues to offer a strong residential life program in the belief that the residential experience can contribute significantly to the academic and personal development of its students.

The College affirms its commitment to the principles of a liberal arts education and to the development of the whole person. To these ends, we seek to

... introduce students to the abiding values, knowledge, skills, and issues that shaped great cultures and civilizations and, in this context, to nurture the process whereby an individual acquires useful guidelines for determining responsible decisions and actions;...encourage students to develop the capacities for examining, evaluating, and understanding themselves and others, as well as their relationship with their environment;

... encourage an understanding of the intellectual disciplines and creative endeavors that have served humanity throughout history;

... provide a variety of educational experiences through which students acquire information and abilities relevant to their chosen area of life-work;

... develop within students a critical awareness of the impact of scientific, technological, economic, literary, political, artistic, and social-scientific developments;

... promote respect of persons for each other, understanding of divergent views, ethical and intellectual integrity, empathy, a concern for justice and an appreciation of life-enhancing activity;

... prepare individuals for continuing their self-education and for engaging in rewarding work and service;

... foster responsiveness to social issues and concerns which face the local, national and world communities; and

... encourage the work-service experience as part of the learning process and as a valuable-dimension to a liberal arts education.

As a community encompassing students, faculty, administrators, staff, alumni and friends of Lindenwood College, we are dedicated to a spirit of open and earnest inquiry and of dialogue among disciplines to academic freedom and to personal responsibility and to high academic standards and the pursuit of excellence. We are a community marked by collegiality, a genuine concern for one another and a desire to be of service to larger community of which we are a part.

## Historic Lindenwood

Founded in 1827, Lindenwood College is one of the oldest institutions of higher learning in the United States and the second oldest west of the Mississippi River.

Its founders, Major George C. and Mary Easton Sibley, began a liberal arts school for young women, which has served as a nucleus around which other programs have clustered for over 160 years. The original College for women was expanded in 1969 to include men.

Lindenwood's day program is fully integrated, offering co-educational experiences and serving both full- and part-time students with a variety of liberal arts offerings leading to baccalaureate and master's degrees.

In 1972 the Evening College was formed offering a full range of courses and instruction at both the undergraduate and graduate levels to those students such as working adults who cannot attend day classes. The Evening College has been expanded in recent years to serve students at various sites in the metropolitan St. Louis area as well as at the main campus is St. Charles.

Following the formation of the Evening College, the Lindenwood College for Individualized Education (LCIE) was created in 1975 to offer individually-designed programs of study at the undergraduate levels. Cited as a "model program" in the United States, LCIE provides students with full-time undergraduate and graduate instruction through participation in cluster groups, workshops, colloquia and supervised internships. Today, these varied programs form the cluster of educational endeavors that is Lindenwood College—an historic institution currently serving over 3,000 students.

## Undergraduate Admissions

The standards of admission to Lindenwood College 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 College consciously seeks a diverse student body and welcomes applicants from a variety of socio-economic, religious, and ethnic backgrounds. We also value geographical diversity and welcome international students to our campus.

The Director of Admissions invites correspondence from prospective students, their parents, and school counselors.

### Selection Criteria

Candidates applying to Lindenwood College will be evaluated individually by the Director of Admissions. Lindenwood recommends at least 16 units of high school study in solid academic areas, (one year in a particular subject is considered an academic unit). While no single academic preparation is required, a college 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 College also recommends two years of study in a foreign language as well as some study in the areas of fine or performing arts.

### Application Procedures

To be considered for admission to the College, an applicant's file must include:

1. A completed and signed application form with the \$25.00 application fee (non-refundable). Checks or money orders should be made payable to Lindenwood College. In cases of financial hardship, the fee may be postponed until enrollment. This postponement may be requested by the high school counselor or an appropriate agency official.

2. Official transcript, indicating graduation, from the last high school attended. 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 transcript. Candidates who do not have a high school diploma or its recognized equivalent, must achieve a passing score on the ACT Assessment Test.

3. Results of either the ACT or SAT. Contact the Admissions Office or your 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 they are recommended. Satisfactory standardized test scores are required for all students majoring in Education.

4. An autobiographical statement or essay is required of all students seeking admission to the LCIE program only. This requirement may be waived in certain instances, as determined by the Dean of Evening Admissions.

### International Students

All International Students are required to submit the following:

1. A completed and signed International Student Application.  
2. A \$25.00 (non-refundable) application fee. Checks or money orders should be made payable to Lindenwood College.

3. Proof of English language proficiency as evidenced by one of the following: a) A TOEFL score of at least 500 for undergraduate and 550 for graduate students; b) successful completion of a secondary or college level course of study in which English is the language of instruction, or c) other evidence of English language proficiency.

4. Results of the ACT/SAT (standardized American tests) are recommended but not required for all undergraduate students. The ACT is required for all Education majors and may be taken at Lindenwood.

5. Official transcripts, or a notarized copy of transcripts, from all secondary schools and colleges or universities attended. All transcripts MUST be accompanied by an English translation. Transcripts should be sent directly to Lindenwood from your previous school(s).

6. An autobiographical statement or essay.

7. Two letters of recommendation (graduate students only)

8. A Statement of Personal Finances or a Statement of Personal Finances and Assurance attesting to the student's or sponsor's ability and commitment to pay tuition, fees, and living expenses for one year. Either statement must indicate the exact amount available for support. The amount should be equal to or greater than the tuition and living expenses for one academic year. Either statement must be accompanied by a certified bank letter.

9. An enrollment deposit as described below.

All the steps in the Application Procedures must be completed before Lindenwood will issue an I-20 form. At this time, the I-20 is the only form Lindenwood College is authorized to issue to International Students.

First-year international students are required to take room and board on campus. Any waiver of this requirement will only be granted under exceptional circumstances. Written requests for a waiver of this requirement should be addressed to the Dean of Admissions and Financial Aid.

### Student Expenses 1992-93 Academic Year

#### Full-time Undergraduate Tuition

(12 through 18 credit hours) \$4,200/semester  
Overload Fee \$250/credit hour

#### LCIE

Undergraduate \$1500/9 hour cluster  
Graduate \$1755/9 hour cluster

#### Part-time Tuition

Undergraduate Semester rate \$250/credit hour  
MAP rate \$165/credit hour  
Graduate \$195/credit hour

#### Other Fees

Room Charge \$1,100/semester  
Board Charge \$1,100/semester  
Student Activity Fee \$40/semester  
Telephone Fee \$35/semester  
Lab Fees (in specified courses) \$50/course  
Studio Fees (in specified courses) \$70/course  
Applied Music Fee \$125/half-hour  
(for individual lessons in piano, voice, orchestral instruments and organ; one semester hour credit.)

Applied Music Fee \$250/hour  
(for individual lessons in piano, voice, orchestral instruments and organ; two semester hours credit.)

Student Teaching Fee \$150  
Experiential Learning Fee \$200

(one-time only charge)

Overload Fee (except LCIE) \$250/semester hour  
(a charge to full-time students who take more than 18 hours in a term).

Late Registration Fee \$25  
Promissory Note Origination Fee \$25  
Graduate Culminating Project Ext Fee \$25  
Graduation/diploma fee  
Undergraduate \$100  
Graduate \$120

**Note:** Quarter schedule Room and Board charges are prorated to \$910 per quarter each.

### Enrollment Deposit

Resident students are expected to pay a \$150 non-refundable fee to reserve their rooms. After the semester charges have been paid, the room reservation fee becomes a refundable room damage deposit.

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

When students have been accepted for admission, students, parents and/or guardians accept all the conditions of payment as well as all the regulations of the College. In making the initial payment of \$150 the student and his parent or guardian acknowledge these terms and signify acceptance of these obligations. No promise or contract that differs from these terms shall bind the College unless it has been signed by the Chief Operating Officer of Lindenwood College. The College reserves the right to increase or reduce fees each year according to changes in fiscal conditions. If a student withdraws prior to the beginning of a term,



all payments except the initial \$150 non-refundable room reservation deposit will be refunded.

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 application should be submitted to the Financial Aid Office prior to the beginning of each term.

### Payment Options

**Corporate Promissory Note:** The Corporate Promissory Note is available to students who work for companies that have tuition reimbursement plans. The amount of the promissory note cannot exceed the amount the employer pays for tuition for each term. There is a \$25 origination fee for the promissory note except in those cases where the company pays the College directly. In those cases, the fee is waived. The due date for all promissory notes is 30 days following the conclusion of the term for which the note applies. Interest charges will accrue after this date.

**Deferred Payment Plan (DPP):** The DPP offers the option for students to pay their tuition in installments. It is available to students and/or their parents. There is an origination fee that must be paid when the agreement is executed. The fee is based on the amount of the unpaid balance. Interest charges will accrue if the payments are delinquent. The DPP may not be used in conjunction with the Corporate Promissory Note.

Any payment or financial aid received prior to the promissory note or deferred payment plan due dates will be applied to any balance appearing on the student's account.

### Delinquent Accounts

Students must meet all financial obligations to the College 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 College, including tuition, fees, traffic fines, library fines, and any other financial obligation.

Students with delinquent accounts can expect the following:

1. Registration 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.

### Withdrawal & Refund

Students wishing to withdraw from Lindenwood College should contact both the Registrar's Office, and the Office of Financial Aid. In order to receive the proper refund, any notification of withdrawal or cancellation and requests for refund should be made in writing. Students should submit a "Notice of Withdrawal Form" to the Registrar's Office. Calculations of refunds or tuition adjustment shall be based on the student's last date of attendance.

If a student withdraws prior to the beginning of a semester, all payments except the initial \$150 non-refundable room reservation deposit will be refunded.

**The refund policy for tuition fees including overload charges for Semester and Trimester schedules is as follows:**

Withdrawal during first two weeks	75%
Withdrawal during third week of term	50%
Withdrawal during fourth week of term	25%
Withdrawal after fourth week of term	No Refund

**The Quarter and MAP tuition refund schedule is as follows:**

Withdrawal before first class meets	100%
Withdrawal before 2nd class meets	75%
Withdrawal before 3rd class meets	50%
Withdrawal before 4th class meets	25%
After 4th class meets	No Refund

No refund for room charges will be made for a term after a student has occupied the room. Board charges will be refunded on a pro-rata basis, less \$100 for a student who withdraws totally.

Application, activity, lab and miscellaneous fees and room reservation deposits are non-refundable, except as indicated under "Enrollment Deposit" above.

### Appeals

Appeals on withdrawal and refund calculations for students and parents who feel the 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 which 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) Supplemental Educational Opportunity Grant (SEOG), (2) Perkins Loan, (3) Stafford Guaranteed Student Loan (GSL), (4) Pell Grant. Any remaining refund will be made first to the Missouri Student Grant Program and then the Lindenwood Scholarship Program.

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 exceed 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 College will follow the same procedures used in the refund policy to determine which Title IV program(s) will receive the student-owed repayment.

The College will notify, bill, and collect from the student the amount owed the Title IV program(s).

## 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, drama, music and art.

The Lindenwood College 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 College 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 college 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 College accepts either the Family Financial Statement (FFS) or the Financial Aid Form (FAF) or the Application for Federal Student Aid (AFSA). These forms are available from high school counselors and the Lindenwood College Financial Aid Office.

Financial need is calculated as the difference between the cost of attendance and the expected contribution from the student and his/her parent(s). Financial aid is an award from grant, loan, and/or work funds which will help meet this need.

### Scholarships

A variety of scholarships are awarded to students who have excelled in fields of study, community activities or athletic competition. Lindenwood College's admissions counselors can advise prospective students of the full program of scholarship availability.

### Older Student Scholarships

Lindenwood College offers a 50% scholarship to all persons age 55 and over. This scholarship applies to the tuition for credit classes and does not apply to courses that are audited.

### Student Employment

Full time resident students are able to defray a portion of their College costs by participating in the Lindenwood College "Work and Learn" Program on campus. Generally, compensation which would otherwise be provided for this work is instead credited against the student's account.

### Types of Federal Financial Aid

#### Pell Grant

Eligibility and the grant amount are determined by the Pell Grant processor.

The student must submit the Family Financial Statement (FFS), the Financial Aid Form (FAF), or the Application for Federal Student Aid (AFSA) 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) which must then be sent to the Lindenwood College Financial Aid Office.

### Supplemental Equal Opportunity Grant (SEOG)

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 reported on the FFS or FAF.

### College Work-Study Program (CWSP)

This program provides work opportunities for needy students. Eligibility is dependent upon the extent of financial need, as determined by an analysis of the FAF, FFS, or AFSA. 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 ten hours per week while attending school. Wages are \$5.00 per hour.

### Perkins Loans (formerly National Direct Student Loan)

This is a federal loan to students at an interest rate of 5% repayable nine months after graduation, after termination of an academic program, or after enrolling for fewer than six credit hours during a semester. The maximum aggregate amount of loans an eligible student may borrow is limited to \$9,000 as an undergraduate for a combined total not to exceed \$18,000.

Repayment extends over a maximum of 10 years at a minimum monthly payment of \$30. This loan is administered by the Lindenwood College Financial Aid Office and does not require a separate application other than the FFS or FAF.

### Robert T. Stafford Guaranteed Student Loans (GSL)

The Federal government guarantees loans from \$2,625 to \$4,000 for eligible undergraduates and up to \$7,500 for eligible graduate students per academic year. These loans are made by private lending institutions.

### Eligible GSL Borrower Limits:

<b>Undergraduate Study</b>	
1st and 2nd year of study	\$2,625/academic yr.
3rd, 4th and 5th year of study	\$4,000/academic yr.
Cumulative Limit	\$17,250
<b>Graduate Study</b>	
	\$7,500/academic yr.
Cumulative Limit	\$54,750

The loan limits are for loans to cover periods of enrollment beginning on or after January 1, 1987.

GSL's currently carry an 8% simple interest rate, which the Federal government pays while an eligible student borrower is enrolled in college at least half-time. Student borrowers will pay a 5% origination fee and up to a 3% insurance premium will be charged. These charges will be deducted up-front from the loan principal.

Students must file an approved standard need analysis to determine their eligibility. Lindenwood College accepts either the family Financial Statement (FFS) or the Financial Aid Form (FAF) or the Application for Federal Student Aid (AFSA).

A student can obtain an application form for the Guaranteed Student Loan from the Lindenwood College Financial Aid Office.

### Parent Loans to Undergraduate Students (PLUS)

Parents may borrow for either dependent undergraduate or dependent graduate and professional students. The maximum amount a parent may borrow on behalf of each eligible student is \$4,000 per academic year, with an aggregate loan maximum for each eligible student of \$20,000. These loan limits do not include amounts borrowed by a student under the GSL or SLS programs. PLUS loans do not qualify for interest benefits. PLUS interest rates are the same as SLS loans.

### Supplemental Loans to Students (SLS)

Supplemental loans to students provides for a maximum loan of \$4,000 an aggregate loan limit of \$20,000 and provides that such loan limits do not include amounts borrowed under the GSL or PLUS programs. Graduate and professional students or independent undergraduate students are eligible to borrow. Loans made under SLS are not eligible for interest benefits. Repayment is to begin within 60 days after disbursement, except that the borrower is entitled to a certain deferment (contact your lender) of repayment of principal. The interest rate for SLS loans made for periods of enrollment beginning before July 1, 1987 is 12%. SLS and PLUS loans made for periods of enrollment on or after July 1, 1987, will have a variable interest rate.

The variable interest rate for any calendar year will be equal to the bond equivalent rate of 52-week Treasury bills auctioned at the final auction prior to June 1, plus 3.25%. However, the rate may not exceed 12%.

### Loan Limits

Pursuant to P.L. 101-508, Lindenwood College 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.

### Types of State Financial Aid

#### Missouri Student Grant Program

The Missouri Student Grant Program is a program available to Missouri residents who attend eligible institutions in the State of Missouri. Lindenwood College is an eligible institution where students receive up to \$1,500 an academic year. Students may apply for the Missouri Student Grant Program on the FFS, FAF, or Missouri-specific single file forms by completing the Missouri Student Grant Section and paying the required fee.

#### 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 which places them in the top 3% 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 at an approved institution for the period of the scholarship. Lindenwood College is an approved eligible institution. Students will be notified by the Missouri Department of Higher Education as to their eligibility.

### Missouri Teacher Education Scholarship

Eligible applicants for the Missouri Teacher Education Scholarship Program are defined as residents of Missouri who:

1. Are high school seniors, college freshman, or college sophomores enrolled in a four-year college or university located in Missouri, or students enrolled in a junior or community college located in Missouri;
2. Make a commitment to pursue an approved teacher education program and enroll as full-time students in a four-year college or university in Missouri;
3. Have achieved scores on an accepted nationally-normed test of academic ability such as the Scholastic Aptitude Test (SAT), the American College Test (ACT), or the School-College Ability Test (SCAT) which place them at or above the 85th percentile or have achieved a high school grade point average which ranks them in the upper 15% of their high school graduating class as calculated at the end of the sixth semester.

Application is available through large secondary counselors or financial aid offices throughout the state of Missouri.

### Veterans' Benefits

Veterans who believe they may be eligible for benefits can receive information and applications through the V.A. Coordinator at the College. 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 for the student to notify the V.A. Coordinator of any changes in their class schedule. The Registrar's Office promptly reports to the Veterans Administration when notified that a veteran is no longer attending class, is making unsatisfactory progress, or has withdrawn from a class or from studies.

See also "Veteran's Benefits" in Undergraduate Academic Procedures section for additional guidelines.

### Vocational Rehabilitation

Assistance may be available for students with disabilities. Students should contact their regional office of Vocational Rehabilitation in regard to benefits. Students may contact the Lindenwood College Financial Aid Office if they have questions.

## 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 under "Scholarship Standards" below and in the graduate catalog.

Satisfactory Progress is defined as satisfactory based on the following maximum academic years and earned credit hours per school division of enrollment:

### Full-time Students

#### Undergraduate College

Academic Years Completed

1	2	3	4	5	6	7
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Earned Credit Hours:

16	32	48	66	84	102	120
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#### Graduate College

Academic Years Completed

1	2	3	4
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Earned Credit Hours

12	24	36	48
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Satisfactory Academic Progress determination is made for all students at the end of each academic year.

For a student to be eligible for Title IV Aid at Lindenwood College, the student must have academic standing at the point in the program that is consistent with Lindenwood College's requirements for graduation as listed under "Scholarship Standards" below. Before each payment period, the student's academic record will be checked for satisfactory academic progress based on the most recent determination. In general, satisfactory progress for full-time students requires that for each two semesters (which constitutes one academic year, summer being optional) of enrollment, 16 credit hours must be earned in each of the first three years and 18 credit hours for each year thereafter for full-time undergraduate students and 12 hours each year for full-time graduate students. Part-time students must successfully complete at least 50% of their credit hours attempted and have academic standing at that point in the program that is consistent with Lindenwood College's requirements for graduation. Failure to maintain minimum academic progress will result in a student being ineligible to receive Title IV financial assistance, following a financial aid probationary period, except as follows: If a student fails to meet the minimum requirements as stated at the end of the second academic year, the student will be placed on Financial Aid Suspension.

## Financial Aid Probation/Suspension Reinstatement

Except at the end of the student's second year, if a student fails to meet the minimum requirements as stated, the student will be placed on financial aid probation for the next succeeding academic year of enrollment. If at the end of the probationary academic

year of enrollment, 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. Withdrawal from the college has no effect on the student's satisfactory progress upon re-entering.

## Appeal

A student has the right to appeal if the student feels that he/she has complied with the requirements of the satisfactory academic progress policy, or that there are factors such as undue hardship because of the death of a relative, the student's injury or illness, or similar special circumstances that could affect the decision, or that said decision was not correctly made. 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 to meet the minimum requirements stated above.

In order to appeal a decision, the student must submit a written application to the Dean of Admissions and Financial Aid, including any evidence which would substantiate the appeal.

The case will be evaluated by the Appeals Committee. The Committee will advise the student of its decision within ten working days following the date the appeal is received.

## Undergraduate Academic Procedures

Lindenwood College offers academic majors leading to the Bachelor of Arts, Bachelor of Fine Arts, and Bachelor of Science degrees at the undergraduate level. Specific degree requirements are listed in the appropriate sections of the catalog which describe the various programs. Major requirements are listed along with the courses of instruction in the sections following the description of degree requirements. In addition to the standard major, a contract degree option is available to enable students to design their own majors. Students' progress toward a specific degree will be guided by the "Program Overview" sheet which will be designed by the faculty advisor in conjunction with the student upon the student's initial matriculation.

## Bachelor's Degree Requirements

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

1. Successful completion of a minimum of 120 semester hours, at least 42 of which must be upper-division courses, numbered 300 or above.
2. Successful completion of the requirements for one of the undergraduate majors offered by the College.
3. A minimum cumulative grade point average of 2.0 in all courses taken at Lindenwood College, as well as in the student's major(s).
4. Successful completion of the following General Education course requirements:

## English Composition

Eng 101 and 102

(total 6 hours)

## Humanities

Literature-two courses\*

Philosophy or Religion-one course\*

(total 9 hours)

## Fine Arts

Fine Arts-one course\*

(total 3 hours)

## Civilization

HIS 100-Human Community

Cross/Cultural or foreign language-two courses\*

(total 9 hours)

## Social Sciences

American History or American Government-one course\*

Anthropology, Sociology, Psychology, Economics-one

course from each of two separate disciplines\*

(total 9 hours)

## Natural Science & Mathematics

Mathematics-two courses in college-level mathematics\*

Natural Science-one Physical and one Biological Science course, at least one of which must have a lab\* (total 13-14 hours)

\* Courses to be selected from approved lists available in the Registrar's Office

## Academic Honesty

Academic dishonesty is an exceptionally serious offense to oneself and one's colleagues. The fabric of a learning community is woven by an act 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. Students, therefore, wishing to maintain formal membership in a learning community must display the high level of integrity expected of all its members.

Academic dishonesty may result in a failing grade on the piece of work in question, failure in the course, or dismissal from the College.

## Academic Load

### Semester System

Undergraduate Students:

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

Graduate Students:

9 semester hours	full time
5-8 semester hours	half time
1-4 semester hours	less than half time

## Quarter System

<i>Undergraduate &amp; LCIE Undergraduate:</i>	
9 semester hours	full time
8 semester hours	three quarter time
6-7 semester hours	half time
1-5 semester hours	less than half time

<i>Graduate students:</i>	
9 semester hours	full time
5-8 semester hours	half time
1-4 semester hours	less than half time

## MAP System

<i>Each MAP session</i>	
12 semester hours	full time
9 semester hours	3/4 time
6 semester hours	1/2 time
3 semester hours	less than 1/2 time

Course extensions (including Culminating Project Extensions and Thesis Extensions) are not considered as "hours enrolled" for purposes of this policy and are therefore less than half time.

MAP classes taken in conjunction with other quarter/semester hours will be included in total hours enrolled for the duration of the MAP class. For purposes of a Missouri Student Grant, students must be enrolled in 12 hours in the semester system, or 9 hours in the quarter system (MAP hours included) both at the time the funds are requested and at the time the funds are received. MAP students enrolled in 6 hours for both fall MAP sessions or in 6 hours for both spring MAP sessions may be eligible for Missouri Student Grant funds for that semester.

One hundred and twenty (120) 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 eight 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 appropriate division dean.

## 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 college setting. Students must submit transcripts of previous academic study, results of examinations or proof of occupational experience to be granted advanced standing.

## Proficiency Examination

Most undergraduate courses at Lindenwood College may be challenged by examination. Exceptions include, but are not necessarily limited to the following: 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.

Students who pass a proficiency examination have two options. They are as follows:

1. No credit is granted. However, any requirement involving the particular courses is waived.

2. Course credit is granted and posted on the transcript. The cumulative grade point average is not affected because no grade is recorded for a course completed in this manner. An administrative fee of \$50\* per credit 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.

## Internships

Internships are available in most areas of study and provide the opportunity for students to obtain academic credit through an out-of-classroom work experience. To be eligible for an internship, students must be of Junior standing; have a cumulative grade point average of at least 3.0; and have a cumulative grade point average of 3.0 in the major, if the internship is in the major. Students interested in applying for an internship should contact their faculty advisor for additional information.

## Contract Degree

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 College can provide faculty and other resources. The basic degree requirements for all bachelor degrees shall be maintained. These include 120 semester hours for graduation, standard grading practices, and all applicable general educational requirements. The student for whom a contract is formulated shall have completed at least 30 semester hours of college credit and be in good academic standing.

## Procedures

1. The student will work with a faculty advisor to develop a degree plan.
2. The completed plan will be submitted to the Division Dean(s) for critique.
3. Proposed contract degrees shall be submitted to the Council of Deans with the recommendation of the attendant Division Dean(s).
4. The decision of the Council of Deans shall be reported to the President in the form of a recommendation for the President's approval and signature.
5. The approved contract degree proposal shall be recorded in the minutes of the Council of Deans and reported to the student and the faculty advisor by the appropriate Division Dean.
6. Changes in a contract degree program shall follow the same approval process.
7. Up-to-date contract degree program shall be made a part of the student's file in the Registrar's Office..

## Attendance

All students at Lindenwood College are expected to attend all classes and class activities for which they have enrolled. If classes are missed, a student is expected 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, or participation in an approved student activity. A student who has been hospitalized should submit a doctor's verification to the Registrar, who will notify instructors. The sponsor of an approved college activity where students will miss classes will provide the Registrar with a list of participating students, and instructors will be informed of their approved absences. This list of students will normally be submitted to the Registrar for approval at least five class days before the date of the activity.

In 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.)

## Calendar

Lindenwood College uses different calendar for different programs of the College. Fall semester begins just before Labor Day and ends before Christmas. Spring semester begins in January and ends in early May. (1) Programs in Professional Counseling and School Counseling are offered on a trimester basis. (2) All LCIE programs, the MBA program, the MS (business specialty areas), and the MA in Art programs are offered on a quarter calendar. (3) All MAP programs are offered on a semester calendar, with each semester containing two eight-week terms, and an additional (optional) eight-week summer term. (4) All other programs (including the MA in Art program) are offered on a semester calendar. All academic credit is given in semester hours.

## Course Numbers

Course numbers used at Lindenwood indicate the following:

- 051-053 A skill development course
- 100-199 An introductory course open to all students without prerequisites
- 200-299 A more specialized course normally open to all students
- 300-399 Advanced courses normally having prerequisites
- 391, 392, and 393 Undergraduate, independent study courses
- 400-499 Senior level courses
- 450 Internship
- 500-600 Graduate courses.



## Dean's List

Immediately following the end of the Fall and Spring semesters, the Dean of Academic Services announces the names of full-time students who have achieved a grade point average 3.5 or above.

## Dismissal

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

## Grading System

Students may earn grades of A, B, C, D, F, W, WP, WF, UW, NG, INC and Audit. A mark of "A" represents work outstanding in quality; it indicates that the student has shown initiative, skill and thoroughness, and has displayed originality in thinking. The "B" grade is awarded for work of high quality, well above average. The grade of "C" indicates average work and satisfactory completion of course requirements. The "D" grade represents work below the average in quality. Although this grade indicates minimal capability in a subject, credit is given. An "F" grade indicates one's course work has been unsatisfactory and no credit is given.

An undergraduate student who has received a "D" or "F" in a course may repeat the course. Only the second grade earned will be used in the calculation of the grade point average.

A grade of "INC" (incomplete) is given at the end of a term or semester only for failure to complete course work because of exceptional circumstances beyond the student's control. To receive an "INC," a student must initiate a request petition obtained in the Registrar's Office and receive the approval of the instructor and the appropriate division dean. Such approval must be obtained before the final examination is given in the course. An "INC" grade must be resolved within six weeks of the beginning of the next semester, quarter, or trimester; otherwise it automatically becomes an "F".

Any request to extend the time needed to complete an "INC" must be submitted to the Registrar no later than two weeks before the date the grade is due. Such requests will then be sent to the appropriate division dean to be considered for approval.

## Withdrawals

1. The deadline for withdrawals shall be a date for each term as set annually on the Academic Calendar.

2. Students must complete a withdrawal form and secure the instructor's, advisor's, and Dean of the College's signature for approval;

a) students who are permitted to withdraw from a course before the deadline will receive a grade of "W" which indicates an official withdrawal.

b) students who are permitted to withdraw after the deadline will receive a grade of either "WP" (withdraw passing) or "WF" (withdraw failing). Neither grade will affect the student's grade point average.

## Unauthorized Withdrawal

This grade is for use when students stop attending a particular class but do not withdraw from the course. The grade of "UW" is treated as a grade of "F" in the calculation of the student's grade point average.

## No Grade

An administrative grade assigned by the Registrar when final course grades have not been submitted prior to running term grades. 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".

Some academic activities such as practica, internships, residencies and thesis projects are graded on the basis of Pass/Fail. The grade of "P" denotes successful completion of the assigned requirements for the aforementioned academic activity courses.

Grade reports are issued to all students at the end of each semester or term. Deficient ("D") and Failing ("F") warning notices are sent to the student, his/her advisor, and the appropriate academic dean after the midterm period. Cumulative records are maintained for each student on individual transcripts.

Lindenwood College operates under the 4.0 grading system. An "A" carries 4 quality points; a "B," 3 quality points; a "C," 2 quality points; a "D," 1 quality point. A grade of "F" carries no quality points, and no credit. Thus, a course worth 3 semester hours in which a student earned an "A" would merit 12 quality points. The grade point average is computed by dividing the total number of quality points earned by the total number of semester hours attempted. Only grades earned at Lindenwood are used in computing the grade-point average.

## Grievance Procedure

Students who wish to appeal a final grade will normally first contact the course instructor. If the matter cannot be resolved at that level, the student may appeal in writing to the appropriate Division Dean or Dean of the College. 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 about any of these procedures is available through the Dean of the College. Notice of intent to file a grievance must be made in writing to the appropriate Division Dean or Dean of the College 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.

## Re-admission

In all cases in which students have attended Lindenwood College but have withdrawn voluntarily, an application must be made to the Dean of Admissions and Financial Aid. Re-admission may be granted if the student presents clear evidence of ability and motivation to continue successful college work. Any student who has left the college for one academic year or more must be re-admitted under the catalog in effect at the time of re-admission. All current requirements must then be met.

## Residency

An undergraduate student not previously enrolled at Lindenwood College must complete their last 30 semester hours at Lindenwood, 15 of which must be in the major as approved by the student's advisor.

## 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, at least 84 hours. The classification of a student is changed only at the end of a regular college semester or term.

## Scholarship Standards

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

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, suspension, or dismissal from the College.
2. 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 College.
4. A student enrolled in 6 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 (INC).
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 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 means that a student is not in good standing and is 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. Re-admitted students will enter on probation and be obligated to the requirements in the catalog in effect at the time of the re-admission. Any re-admitted student failing to achieve the necessary grade point average by the end of the second term after re-admission may be permanently dismissed from the College.

Appeals of academic suspension and petitions for re-admission should be directed to the Dean of the College for review by the President or his designee.



## Transcripts

All information in each student's college record folder is considered confidential information and is issued only to authorized individuals. Requests for official transcripts of the academic record from any individual or agency will not be filled until authorization has been received in writing from the individual student.

A fee of \$3.00 is charged for each transcript requested.

A transcript will not be issued when the student is delinquent in payment of tuition, has not returned library books, or when there are other unfulfilled obligations to the College.

A request for a transcript should be made either on a transcript request form or by letter to the Registrar's Office, including name, Social Security Number, date of attendance, and current address. Normal processing time for transcripts is 3-4 days.

In conformance with the Family Rights and Practice Act of 1974 (the Buckley Amendment), Lindenwood College has established a system to insure 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 Registrar's Office.

## Transfer Credits from another College

Students transferring from an accredited college or university of higher education should submit official transcripts from each college attended to the Admissions Office along with the application for admission. An evaluation of transfer credit will be made by the Registrar only after all official documents have been received. Credit may be transferred from regionally-accredited institutions only. A maximum of 66 semester hours of credit is allowed from two-year institutions. A maximum of 90 semester hours of credit is allowed from other four-year institutions, or combination of institutions. If courses contain similar or like content and credit, and a passing grade has been earned, they will transfer as equivalents of this institution'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 elective 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.

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 sources from the academic advisor and the Registrar. A Prior Approval form may be obtained from the Registrar's Office.

Credits accepted in transfer do not affect the student's grade point average at Lindenwood College.

## Veterans' Benefits

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

1. The College will notify the VA of all terminations, interruptions, or any change in semester-hour load within thirty days. This may change the benefits available to the student.

2. The student accepts the responsibility of notifying the Registrar, the VA Coordinator at the College, 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 College for any 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 College's general policies regarding withdrawal, attendance, and satisfactory progress.

For additional information, see also "Veteran's Benefits" in the Financial Aid Section of this catalog.

## Consortium Programs

Lindenwood College belongs to a consortium of colleges in Greater St. Louis. The consortium includes Fontbonne College, Maryville College, Missouri Baptist College, and Webster University. Full-time undergraduate Lindenwood students may enroll in courses offered at colleges in the consortium and count those hours as part of their Lindenwood degree program. No additional tuition cost is involved.

## Lindenwood/Washington University Three-Two Plan Leading to an Engineering Degree

The Three-Two Plan is a program designed to enable Lindenwood students to complete three years of study in the liberal arts and then take a two-year intensive course at Sever Institute of Technology of the School of Engineering and Applied Science at Washington University.

During the three-year liberal arts phase of the program, the student may elect a major in any discipline as long as the following minimum requirements are met for entry into the engineering program:

1. A minimum grade average of B (courses with grade below C will not transfer).
2. Calculus through differential equations.
3. One year of Calculus-based physics.
4. One year of chemistry with laboratory
5. One course in computer programming (waived for electrical engineering)
6. At least six courses in humanities and social sciences, with three of those courses being in a single field.
7. For entry into chemical engineering, a one-year course in organic chemistry would have to be included.

Lindenwood students should be aware that admission to Sever Institute of Washington University cannot be guaranteed.

Options for the student during the two-year engineering phase include concentrations in:

- (1) Applied Mathematics and Computer Science
- (2) Chemical Engineering
- (3) Civil Engineering
- (4) Electrical Engineering
- (5) Mechanical Engineering.

## Lindenwood/Washington University Three-Two Plan Leading to a Master of Social Work Degree

Lindenwood College and the George Warren Brown School of Social Work at Washington University have a three-two arrangement by which qualified candidates may complete the baccalaureate degree at Lindenwood and the Master of Social Work degree at George Warren Brown in five years, rather than the normal six years. To accomplish this:

1. The student must complete all general education and departmental requirements for the Lindenwood degree in the first three years. Only electives may remain in the program at the time of entering the Master of Social Work program.

2. The student must have an outstanding academic record and must apply for admission to George Warren Brown School of Social Work prior to completion of the junior year.

3. Lindenwood will certify to George Warren Brown that the student has fulfilled all specific degree requirements and that the student will be eligible to graduate from Lindenwood on successful completion of the first year's work at the George Warren Brown School.

4. George Warren Brown will certify the successful completion of that first year's work to Lindenwood, and the student will be eligible to graduate from Lindenwood while continuing to be a student at the School of Social Work for an additional year.

## Junior Year Abroad

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

1. An established program supervised by an American college or university with credits transferred back to Lindenwood;
2. Independent study, either under the direction of a member of the Lindenwood faculty or under foreign instruction recognized by the sponsoring member of the Lindenwood faculty, for which papers, examinations, or other acceptable indications of achievement are submitted to establish credit.

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

To be eligible for a foreign study program, the student must: (1) Have junior standing, except in unusual cases; (2) Have a grade point average of 3.0 or higher; (3) Have facility in the spoken language of the country to which he or she is going; (4) Satisfy the committee approving the program that he or she has the maturity and self-reliance needed, and (5) Have a definite educational objective acceptable to the chairperson of the department that will recommend credit.

Applications for study abroad must be filed with the chairperson of the appropriate department by February 1 of the year preceding the proposed program. 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 department chairperson.

All responsibility for travel, finances, application for admission to a foreign institution where applicable, and other necessary arrangement rests with the student.

### **Washington, D.C. Semester Program**

Lindenwood is one of a limited number of liberal arts colleges invited by American University in Washington, D.C., to take part in its Washington Semester Program, in which students spend a semester in the nation's capitol studying and observing the national government in action and meeting with major policy-makers and other persons prominent in national and international affairs.

The appointment is restricted to students in their junior year. Selection is based on demonstrated abilities in scholarship and leadership. Costs of the program are borne by the student.

Students should apply to the Washington Semester advisor in their sophomore year.

### **ROTC Informal Cross-Enrollment Agreement**

Lindenwood College participates in an informal, cross-enrollment agreement with the Department of Military Science, University of Missouri-St. Louis, enabling Lindenwood students to participate in the UM-St. Louis ROTC program as a visiting student. Details and course listings are available from the Registrar's Office.

Military Science grades earned in conjunction with the College's Informal ROTC Cross-Enrollment Agreement with the University of Missouri-St. Louis are computed in the student's overall GPA; however, credit hours for these courses will not be included in the 120 hours needed for graduation.

### **Skill Development Center**

All students entering the College in a full-time course of study at the freshman rank must complete a placement examination. Students who fail to demonstrate sufficient competency in the areas assessed by this test will be placed in one or more of the following courses offered by the College:

- COL 051 Fundamentals of Reading
- COL 052 Fundamentals of Writing
- COL 053 Fundamentals of Mathematics

Each of these courses carry two semester hours of credit. Students assigned to these courses will be required to complete 120 semester hours of credit in addition to the credits earned from these courses toward their degree completion.

The Skill Development Center is located in Roemer Hall and combines individualized instruction with computer-enhanced learning modules to develop the competencies necessary for more advanced learning. Students complete each course at their own learning rate and are successful when acceptable competency levels are reached.

### **Out of Classroom Life**

The fabric of a learning community weaves itself whole. To bridge formal and out-of-classroom learning, the offices and staff of the Dean of Students—often in collaboration with the Lindenwood Student Government—promote programs, services, and diverse opportunities for personal growth and development.

Lindenwood College currently serves over 3,000 students in 53 undergraduate and graduate degree programs. Resident students live on a small, wooded, highly attractive campus within a large metro area that offers almost unlimited cultural, recreational, entertainment and service opportunities.

### **Lindenwood Student Government**

All students at Lindenwood full-time and part-time, in or out of St. Charles, undergraduate or graduate, are encouraged to participate in the Lindenwood Student Government (LSG). The LSG works to promote structure for student expression and self-government. Members of the LSG play a strong role in the academic and administration decision-making process of the College through representation in various planning governance committees.

### **Residence Halls**

Each Lindenwood residence hall has a distinctive atmosphere, meant to extend and enhance the College's classroom experience. The sense of local identity in each hall is built by residents who, through the elected officers and members of the college staff, recommend and evaluate residence policy. Head Residents provide support to students on a day-to-day basis.

### **Athletics**

Intercollegiate, intramural, and recreational sports are an important part of Lindenwood's out-of-classroom life.

Intramural sports offer exercise and competition to all students in the community. Intercollegiate baseball, volleyball, basketball, cross country, track, football, soccer, softball, wrestling, golf, and various club sports are offered for full time students.

Lindenwood is a member of the Men's and Women's Divisions of the National Association of Intercollegiate Athletics (NAIA).

For those involved in team sports and others interested in personal fitness, the college has a recently completed field house with extensive weight training equipment. In addition, the college provides indoor and outdoor pools, a softball field and two practice fields for soccer, football and other sports. Hunter Stadium, with a seating capacity of 5,000, is the only artificially-surfaced football/soccer stadium in the St. Charles area.

### **Religious Life**

Lindenwood College enjoys a rich, long standing relationship with the Presbyterian Church (USA). The College was founded by Presbyterian pioneers Mary and George Sibley. Since its founding, Lindenwood has been blessed with many distinguished Presbyterians who have given leadership in the administration, faculty and student body. In 1987, the College affirmed its church-related character through a covenant with the Synod of Mid-America. This covenant encourages the development of a rich and varied religious life at Lindenwood.

The College fosters an ecumenical spirit which celebrates the wide range of religious traditions represented on a campus. Worship services are led on campus by a Roman Catholic priest and the College Chaplain, an ordained Presbyterian minister. Students wishing to worship off-campus can find religious services of all major faiths within walking distance. Presbyterian students are welcome at the St. Charles Presbyterian Church located adjacent to the campus. The College Chaplain chairs the Religious Life Council, an officially recognized student organization which promotes diverse religious expression and plans a variety of community events.

### **KCLC-FM 89.1**

Students may participate in the operation of the campus radio station, KCLC-FM, through the Communications Department. A 25,500-watt stereo facility, it is the principal local radio station in St. Charles County and performs a major role in community affairs, entertainment programming, local news gathering, and amateur sports broadcasting.

# 1992-93 Academic Calendar

## Fall Semester 1992

Faculty Workshop & Planning  
Faculty Workshop: NCA Planning/Self-Study Plan  
Registration  
New Student Orientation  
Classes Begin  
Activity Day--Labor Day  
Last day to register, add a class, or choose an audit  
Last day to drop with a "W"  
Deadline to apply for December graduation  
Deadline for making up "INC" grades from Spring 1992  
Midterm grades due  
Thanksgiving Holiday-No Classes  
Last Day of Classes  
Final Exams  
Final Grades Due, 12:00 Noon

## Fall I Term (MAP)

Deadline for registering without a late fee  
MAP Opening Session  
Last day to register, add a class, or choose an audit  
Last day to drop with a "W"  
Midterm grades due  
Deadline for making up "INC" grades  
Deadline for application for December graduation  
Last Day of Classes  
Final Grades Due, 12:00 noon

## Fall II Term (MAP)

Deadline to register without a late fee  
MAP Opening Session  
Last day to register, add a class, or choose an audit  
Midterm grades due  
Thanksgiving Holiday  
Deadline for making up "INC" grades from previous term  
Last Day of Classes  
Final Grades Due, 12:00 noon

## Fall Quarter 1992

Deadline to register without a late fee  
LCIE Opening Session  
Saturday Art classes begin  
MBA classes begin  
Last day to register, add a class, or choose an audit  
Deadline to apply for December graduation  
Last day to withdraw with a "W"  
Midterm grades due  
Deadline for making up "INC" from previous term  
Thanksgiving Holiday-No Classes  
Quarter Ends  
Final Grades Due, 12:00 Noon

## Spring Semester 1993

Faculty Workshop & Planning  
Registration/Orientation  
Classes Begin  
Last day to register, add a class, or choose an audit  
Activity Day  
Deadline to apply for May graduation  
Last day to drop with a "W"  
Deadline for making up "INC" grade from Fall 1992  
Midterm grades due  
Spring Break  
Easter Break  
Last Day of Classes  
Final Exams  
Final Grades Due, 12:00 noon  
Baccalaureate  
Commencement

## Spring I Term (MAP)

Deadline to register without a late fee  
MAP Opening Session  
Last day to register, add a class or choose an audit  
Last day to drop with a "W"  
Deadline for application for May graduation  
Midterm grades due  
Deadline for making up "INC" grade from previous term  
Last Day of Classes  
Final Grades Due, 12:00 pm

## Spring II Term (MAP)

Deadline to register without a late fee  
MAP Opening Session  
Last day to register, add a class, or choose an audit  
Last day to drop with a "W"  
Midterm grades due  
Deadline for making up "INC" grades from previous term  
Deadline to apply for June 30 graduation  
(for those not participating in May ceremony)  
Last Day of Classes  
Final Grades Due, 12:00 pm

August 19-21  
August 24-28  
August 29  
August 30  
August 31  
September 7  
September 11  
October 9  
October 9  
October 12  
October 22  
November 26-27  
December 15  
December 16, 17, 18, 21, 22  
December 28

August 27  
August 29  
September 4  
September 18  
September 28  
October 9  
October 9  
October 23  
October 26

October 22  
October 24  
October 30  
November 23  
November 26-27  
December 4  
December 18  
December 21

October 1  
October 3  
October 3  
October 5  
October 9  
October 9  
October 9  
November 13  
November 13  
November 26-27  
December 19  
December 23

January 6-8  
January 11  
January 12  
January 19  
February 16  
February 12  
February 23  
February 23  
March 5  
March 15-19  
April 9-11  
May 11  
May 20  
May 21  
May 22

January 14  
January 16  
January 22  
February 5  
February 12  
February 15  
February 26  
March 12  
March 15

March 18  
March 20  
March 26  
April 9  
April 19  
April 30  
May 1  
May 14  
May 17

## Winter Quarter 1993

Deadline to register without a late fee  
LCIE Opening Session  
MBA Classes begin  
Last day to register, add a class, or choose an audit  
Last day to drop with a "W"  
Deadline to apply for May graduation  
Midterm grades due  
Deadline for making up "INC" grades from previous quarter  
Quarter Ends  
Final Grades Due, 12:00 Noon

## Spring Quarter 1993

Deadline to register without a late fee  
LCIE Opening Session  
MBA Classes begin  
Last day to register, add a class, or choose an audit  
Last day to withdraw with a "W"  
Deadline to apply for June 30 graduation  
(for those not participating in May ceremony)  
Midterm grades due  
Deadline for making up "INC" grade from previous quarter  
Memorial Day-No Classes  
Quarter Ends  
Final Grades Due, 12:00 Noon

## Summer Quarter 1993

Deadline to register without a late fee  
LCIE Opening Session  
MBA Classes begin  
Last day to register, add a class, or choose an audit  
Last day to withdraw with a "W"  
Deadline to apply for September 30 graduation  
Deadline for making up "INC" grades from previous quarter  
Midterm grades due  
Quarter Ends  
Final Grades Due, 12:00 Noon

## Summer Sessions 1993--Tentative (14 weeks available)

**Summer Term MAP 1993**  
Deadline to register without a late fee  
MAP Opening Session  
Last day to register, add a class, or choose an audit  
Last day to withdraw with a "W"  
Midterm grades due  
Deadline for making up "INC" grades from previous term  
Last Day of Classes  
Final Grades Due, 12:00 Noon

## Fall Trimester 1992

Deadline to register without a late fee  
Opening Weekend Session  
Last day to register, add/drop a class, or choose an audit  
Deadline to apply for December graduation  
Deadline for making up "INC" from previous term  
Last day to drop with a "W"  
Midterm grades due  
Thanksgiving Holiday  
Classes End  
Final Grades Due, 12:00 Noon

## Spring Trimester 1993

Deadline to register without a late fee  
Opening Weekend Session  
Last day to register, add/drop a class, or choose an audit  
Deadline to apply for May graduation  
Last day to withdraw with a "W"  
Last day to make up "INC" grade from previous term  
Midterm grades due  
Last Day of Classes  
Final Grades Due, 12:00 Noon

## Summer Trimester 1993

Deadline to register without a late fee  
Deadline to apply for September 30 graduation  
Opening Session  
Last day to register, add/drop a class, or choose an audit  
Deadline for making up "INC" from previous term  
Last day to withdraw with a "W"  
Midterm grades due  
Last Day of Classes  
Final Grades Due, 12:00 Noon

January 7  
January 9  
January 11  
January 15  
February 5  
February 12  
February 19  
February 19  
March 27  
March 31

April 1  
April 3  
April 5  
April 9  
April 30  
May 1

May 14  
May 14  
May 31  
June 19  
June 23

July 8  
July 10  
July 12  
July 16  
August 4  
August 13  
August 20  
August 20  
September 23  
September 27

June 3  
June 5  
June 11  
July 2  
July 2  
July 10  
August 2

August 27  
August 29  
September 4  
October 9  
October 9  
October 9  
October 26  
November 26-27  
December 12  
December 16

January 7  
January 9  
January 15  
February 12  
February 19  
February 19  
March 5  
May 1  
May 5

May 13  
May 13  
May 15  
May 21  
June 25  
June 25  
July 9  
August 21  
August 25

# Academic Course Offerings

## ALL-COLLEGE

### Courses of Study

**COL 051 Fundamentals of Reading (2)** This course reintroduces the student to basic reading concepts, as well as provides a refresher course of study. By assignment.

**COL 052 Fundamentals of Writing (2)** 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. By assignment.

**COL 053 Fundamentals of Mathematics (2)** This course reintroduces the student to basic math concepts, as well as provides a refresher course of study. By assignment.

**COL 100 Introduction to Alcohol and Drug Studies (3)** A comprehensive overview of chemical dependency and its effect on the individual, family and society. An overview of the medical, psychological, social, and legal aspects are covered as well as the disease concept, modalities of treatment, 12-step programs, and prevention. Offered as needed.

**COL 170/BA 170 (3).** (See Business Administration)

**COL 300 Focus on Modern Asia (3)** This multidisciplinary course on Modern Asia will provide a context for understanding the distinctive cultural heritage of more than half of the world's population. The course will introduce recent technological, demographic, economic, social, political, religious, philosophical, linguistic, literary and artistic trends in various regions in Asia.

**COL 310 Focus on Modern Europe (3)** This multidisciplinary course on Modern Europe will provide a context for understanding the cultural heritage of the peoples of Europe and how that cultural heritage has shaped that continent's response to the problems of a world in which Europe no longer occupies the central position that it once did. The course will introduce students to recent political, economic, cultural, and demographic trends on the continent which give Europe and its various regions their distinctive cultural identity.

**COL 350 Career Development (1)** 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.

## AMERICAN HUMANICS

See Business Administration.

## ANTHROPOLOGY

See Sociology/Anthropology

## ART

### Program Description

Bachelor of Arts and Bachelor of Fine Arts degrees offered. A Bachelor of Arts in Studio Art requires 45 hours: A minimum of 27 hours in Studio Art and 9 hours in Art History including--ART 106, 108, 136; 3 hours in Drawing; 3 hours in Painting and Printmaking; 3 hours in a three-dimensional study; 9 hours in electives toward an area of emphasis; and 9-15 hours in Art History.

A Bachelor of Arts in Art History requires 48 hours: a minimum of 27 hours in Art History and 9 hours in Studio Art. Two years of a foreign language are a requirement of the major.

The Art History or Studio Art requirements may include independent study, field study and internships as part of the major program of study. Studio courses numbered at the 300-level and above may be repeated one or more times. Studio Art courses are not open for auditing.

The Bachelor of Fine Arts requires 60 hours. At least 45 hours in studio courses: ART 106, 108, 136; 3 hours in photography; 9 hours in drawing; three hours in Painting; 3 hours in Printmaking and 6 hours in other two-dimensional courses; 9 hours in three-dimensional studies; 15 hours in Art History; and 3 or more hours in studio electives.

Consult Art Faculty for requirements for the minor in Studio Art and in Photography. Programs are available for a concentration in Art Education, a dual concentration in Fashion Marketing and Fashion Art, and a coordinated program between Art and Valuation Sciences.

### Courses of Study

#### General Art

**ART 210 Concepts in the Visual Arts (3)** A survey of art and architecture from Prehistory to Modern with an emphasis on the relationship between art, society, culture, religion and politics. Major works of art and architecture will be discussed. Offered each semester.

**ART 386 Special Topics (3)** A focused examination of a specific subject in the field of art. May be repeated as topics vary. Lab fees may apply to some topics.

**ART 400 Senior Seminar (3)** A survey of the research methods employed in art which includes

procedures for conducting research/field work. The course will also address portfolios, resumes, job opportunities, networking, exhibitions, legal issues and other resources available to the artist and art historian. Bachelor of Fine Arts students will write their senior thesis based on their senior exhibition. Prerequisite: Senior standing

**ART 401 Gallery Management and Promotional Techniques (3)** A course in the techniques of art gallery management, curation, exhibits, and preparation of promotional materials for the artist: portfolio and photographs of art works. The course will stress hands-on experience with the securing, transportation, insurance, installation, announcement, publicizing and the minutia of exhibiting works of art. It will further emphasize needs of the artist-student in the preparation of vitae, presentation of work and recording of works of art by color photography. Prerequisite: 12 credits in Art courses and Junior standing.

#### Art History

**ART 225 History of Photography (3)** A history of the artistic, technological, and sociological developments in photography from 1839 to the present. The role of photography as a major art form in the nineteenth and twentieth centuries will be evaluated. Offered: Spring 93.

**ART 354 Nineteenth Century Art (3)** A study of Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism in Europe during the 19th century. Prerequisite: HIS 100.

**ART 355 Pre-Colombian Art (3)** A study of the arts and artifacts of Indian cultures of the United States Southwest, Mexico, and Central and South America. Prerequisite: HIS 100.

**ART 356 Baroque Art (3)** A survey of the development of painting, sculpture and architecture in 17th and 18th century Europe. Emphasis on the work of Bernini, Caravaggio, Rubens, Rembrandt, and Velazquez. Prerequisite: HIS 100.

**ART 357 Ancient Art (3)** A survey of the art and architecture of the Ancient Near East, Egypt, the Aegean, Greece and Rome. Prerequisite: HIS 100.

**ART 359 American Art I (3)** A study of American painting, sculpture, and architecture from the Colonial period to the Gilded Age (1870's) with an emphasis on European influences and the development of indigenous styles. Prerequisite: HIS 100.

**ART 360 American Art II (3)** A study of American painting, sculpture and architecture from the 1870's to the present. Prerequisite: HIS 100.

**ART 361 Twentieth Century Art I (3)** A study of the development of modern European art during the early 20th century. Prerequisite: HIS 100.



**ART 362 Twentieth Century Art II (3)** A study of the major styles of modern and contemporary European and American art. Prerequisite: HIS 100.

**ART 363 Women Artists (3)** A survey of women artists from the medieval period to the present. Prerequisite: HIS 100.

**ART 368 Medieval Art (3)** A survey of European art and the architecture from the Early Christian era to 1300. Prerequisite: HIS 100.

**ART 383 Renaissance Art (3)** A study of painting, sculpture and architecture of the Renaissance in Italy and Northern Europe from 1300 to 1600. Prerequisite: HIS 100.

### Studio Art

**ART 106 Two Dimensional Design (3)** An introductory course in the theory and practice of applying the elements of art and principles of composition to design problems. Lab fee. Offered each fall.

**ART 108/BFM 377 Color Theory (3)** A study of the properties of color and the optical effects in perception. The application of color theory through design problems using various media. Offered each spring.

**ART 136 Three-Dimensional Design (3)** 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 are taught. Lab fee. Offered each spring.

**ART 181 Introduction to Still Photography (3)** Study of photographic imagery and processes, including camera techniques and darkroom procedures. Emphasis on the creative use of photography. A 35MM SLR camera is desirable. Lab fee. Offered each semester.

**ART 200 Introduction to Painting (3)** An introductory course to painting in varied media. Problems in composition, rendering of forms, color, and the techniques of painting. The course is directed toward the non-art major who wishes to attain basic skills in painting. Lab fee. Offered each semester.

**ART 217 Advertising Art (3)** Design problems in layout, typography, and illustration are presented for solutions in relation to the theory and techniques of advertising design. This course may be repeated one or more times. Offered as needed.

**ART 218/BFM 378 Fashion Illustration (3)** The application of varied drawing techniques and materials to the illustration of fashion figures for advertisements, catalogs, and other communications media. Previous course work in figure drawing is strongly recommended. Lab fee. Offered as needed.

**ART 219/BFM 477 Fashion Photography (3)** The application of photography to the visual presentation of fashion. Problems in effective lighting, composition, developing and printing for fashion photography will be explored. The history of fashion images and trends

and the business of fashion photography will be discussed. Lab fee. Prerequisite: ART 181 or other experience in photography. Offered as needed.

**ART 230 Introduction to Drawing (3)** An introductory course to drawing in varied media. Problems in rendering objects, perspective, and spatial relationships, and drawing of the figure are presented. Varied media and techniques of drawing are introduced. The course is directed toward the non-art major who wishes to attain basic skills in drawing. Lab fee. Offered each semester.

**ART 234 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 approached. Media will vary. Lab fee. Offered Fall 92.

**ART 240 Introduction to Ceramics (3)** An introductory investigation of clay as a medium for creating functional and sculptural forms. Techniques are taught in wheel throwing, hand building, glazing, and kiln-firing. The student becomes familiar with historical and contemporary ceramics through lectures, exhibits, and visual aids. Studio fee.

**ART 300 Painting (3)** Painting in varied media with instruction and criticism appropriate to the need and level of the individual student. Lab fee. Prerequisites: ART 106 and 108 or 200, or consent of the instructor.

**ART 313 Printmaking-Relief (3)** Basic techniques in woodblock and linoleum block printing in black and white or color on a variety of papers and surfaces. Experimentation with found-object printing, embossing, and batik are also included. Lab fee. Prerequisite: ART 230 or 330.

**ART 314 Printmaking-Silk Screen (3)** The technique of silk screen printing as it relates to commercial art and the fine arts. The materials and techniques used in screen printing, including photographic processes, will be explored. The aesthetic properties of the silk screen print constitute the focus of the course. Lab fee. Prerequisite: ART 230 or 330.

**ART 320 Sculpture (3)** Sculpture in various media with instruction and criticism appropriate to the need and level of the individual student. Lab fee. Prerequisites: ART 136 and 330 or consent of the instructor.

**ART 330 Drawing (3)** Drawing in varied media with instruction and criticism appropriate to the need and level of the individual student. Lab fee. Prerequisite: ART 106, 136 or 230.

**ART 333 Stained Glass: Techniques and Tradition (3)** A course stressing the techniques of making stained glass pieces: windows, lampshades, and decorative articles. The history of colored glass and its application are briefly considered with field trips to studios and public buildings for first-hand study of the techniques and effects. Costs of materials will be the responsibility of the student. Prerequisite: Any Studio Art course.

**ART 340 Ceramics (3)** Studio experience creating with 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, and kiln-firing. The student broadens an understanding of ceramics through guest workshops, lectures, field trips and visual aids. Studio fee. Prerequisites: ART 106 and 136 or 240.

**ART 381/COM 381 Intermediate Still Photography (3)** Creative experimentation in photography through studio and field assignments. Craft control through fuller understanding of exposure and development is emphasized. An introduction to color printing is included. Lab fee. Prerequisite: ART 181 or consent of instructor.

**ART 385 Topics in Photography (3)** Directed individual creativity or research in photography or photographically-derived image making. Lab fee. Prerequisite: ART 381 or consent of the instructor.

**ART 387 Design Topics (3)** Problems in various media in studio art including problems in alternate design solutions.

## BIOLOGY

### Program Description

Degrees offered include the Bachelor of Arts, Bachelor of Science and the major in Medical Technology. A minor in Biology is also available.

### Requirements for the Major in Biology

The requirements of a Bachelor of Arts degree with a major in Biology will include:

1. Required courses (29-30 semester hours) in Biology are as follows:

BIO 204 Introduction to Cell Biology (4)  
BIO 234 Plant Biology (4)  
BIO 262 Environmental Biology (4)

or  
BIO 365 General Ecology (4)

BIO 265 Biodiversity (4)  
BIO 308 Genetics (4)  
BIO 364 Evolution (3)  
BIO 401 Biology Review (3)  
BIO 402 Independent Research (3-4)

2. Biology electives (15-16 hours)

3. Other courses from Division of Natural Science and Mathematics (17 hours):

CHM 151 General Chemistry I (4)  
CHM 152 General Chemistry II (4)  
MTH 141 Basic Statistics (3)  
MTH 151 College Algebra (or proficiency) (3)  
MTH 160 Calculus Survey (3)

The requirements of a Bachelor of Science degree with a major in Biology will include:

1. Required courses (29-30 semester hours) in Biology as follows:  
BIO 204 Introduction to Cell Biology (4)  
BIO 234 Plant Biology (4)  
BIO 262 Environmental Biology (4)  
or  
BIO 365 General Ecology (4)  
BIO 265 Biodiversity (4)  
BIO 308 Genetics (4)  
BIO 364 Evolution (3)  
BIO 401 Biology Review (3)  
BIO 402 Independent Research (3-4)
2. Biology focus electives (15-16 hours), to be chosen from the following areas: Plant Biology; Molecular Biology/Biochemistry; Ecology/Environmental Biology; or Biotechnology.

3. Other courses from Division of Natural Science and Mathematics (27 hours):  
CHM 151 General Chemistry I (4)  
CHM 152 General Chemistry II (4)  
CHM 361 Organic Chemistry I (4)  
CHM 362 Organic Chemistry II (4)  
MTH 141 Basic Statistics (3)  
MTH 171 Calculus I (4)  
MTH 172 Calculus II (4)

### Requirements for the Minor in Biology

A biology minor may be earned by completing the following:

- BIO 204 Cell Biology
- BIO 265 Biodiversity
- BIO 234 Plant Biology
- BIO 308 Genetics
- One 4 hour 300 level Biology elective.

### Requirements for the Major in Medical Technology

A degree in Medical Technology qualifies the student to take the registry examination to become a certified Medical Technologist. The requirements for a bachelor's degree in Medical Technology include completion of a three-year liberal arts program and one year of internship training in a NAACLS accredited School of Medical Technology. Entrance into the internship program is competitive.

In addition to the internship-year, Medical Technology students are required to take Cell Biology, two semesters of Anatomy and Physiology, one semester each of Microbiology, Genetics, Immunology, Parasitology, General Chemistry I and General Chemistry II, Organic Chemistry I, Organic Chemistry II and/or Biochemistry, and College Algebra.

Other supportive courses are strongly recommended and will be selected in advisement during the student's career. Medical Technology students frequently pursue a double major in Biology in the context of either a B.S. or B.A. liberal arts program. For additional information, contact the Dean of the Natural Science and Mathematics Division.

## Courses of Study

### Biology

**BIO 110 Principles in Biology (4)** Examines historical development and current theory about cells, genetics, evolution and environmental biology. The course includes a recitation in chemistry to help students understand chemical foundations in biology. No Prerequisites. Offered each semester.

**BIO 112 Concepts in Biology I (4)** Examines mechanisms of evolution, cellular biology, genetics, and ecology with emphasis on scientific thinking and methods, historical developments, current understandings and applications, and ethical issues. The laboratory includes use of instrumentation in data collection, methods of data collection and analysis, and a half-semester of actual experimentation. Lab fee. Prerequisite: CHM 100, CHM 101 or CHM 151, or high school chemistry credit. Offered each semester.

**BIO 115 Human Development and Cancer (1)** Work leading to recent Nobel prizes showing the involvement of a person's genetic program with the environment and consequences to development and health are examined with an emphasis on cancer research. Prerequisite: CHM 100 (enrollment may be concurrent) or equivalent. Offered as needed.

**BIO 116 The Nervous System and Behavior (1)** Course examines the biological foundations of behavior with cursory investigations of the use of the medical model to treat neurobiological malfunctions. Theories of human thought are also included. No Prerequisites. Offered as needed.

**BIO 117 Evolution and the Biosphere (1)** Course examines interactions between evolution and the biosphere. Each determines the future configuration of the other. Examples are used which emphasize the impact of human activity on biodiversity. Prerequisites: BIO 110, 112 (enrollment may be concurrent) or equivalent.

**BIO 145 Mushrooms and Slime Molds (1)** Trips to local woodlands and streams are combined with laboratory exercises to examine the rich diversity of Missouri saphrophytes. Although this course will not specifically emphasize edibles, some attention will be directed towards recognition of interesting, edible, useful, poisonous, and harmful members of these groups. Lab fee. No Prerequisites.

**BIO 204 Introduction to Cell Biology (4)** Concepts of cellular and subcellular organization and function are examined, stressing relationships between cell structure and the dynamics of the cell. Laboratory experiments are designed to gain an understanding of how an entire organism functions by studying activities and structure-function relationships of cells and cell structures. Lab fee. Prerequisite: CHM 151 or equivalent (enrollment may be concurrent). Offered each fall.

**BIO 206 Modern Topics in Biology (1-3)** Topics of current interest in biological research are discussed by both students and faculty. Various areas of biology will be selected on a rotational basis. Prerequisite: CHM 100 or equivalent (enrollment may be concurrent). Lab fee. Offered as needed.

**BIO 227 Human Anatomy and Physiology I (4)** A study of structure and function in the human body including the following systems: integumentary, skeletal, skeletal muscle, nervous and sensory. Prerequisite: CHM 100 or equivalent and BIO 234 or BIO 112. Lab fee. Offered each fall.

**BIO 228 Human Anatomy and Physiology II (4)** A study of structure and function in the human body including the following systems: endocrine, respiratory, heart and circulatory, excretory, digestive, reproductive, and immune including a discussion of HIV. Prerequisite: BIO 227. Lab fee.

**BIO 234 Plant Biology (4)** Lecture and laboratory course examines concepts in cell biology, energy transformation, genetics, evolution, ecology, anatomy, reproduction and taxonomy characteristics of plants. Prerequisite: CHM 100 or equivalent (enrollment may be concurrent). Lab fee.

**BIO 245 Identification and Taxonomy of the Local Flora (2)** Survey of the flora of St. Charles and surrounding counties with an emphasis on flowering plant taxonomy. Course includes field trips, lecture, and laboratory experience. Lab fee. No Prerequisites.

**BIO 260 Biology in the Subtropics (3)** A general study of marine plants and animals with an emphasis on ecology. Sometimes the course locates near a reef environment, in which case aquatic organisms are the focus of the course. Prerequisite: consent of instructor. Fees.

**BIO 262 Environmental Biology (4)** A course designed for analysis of environmental problems. Basic ecological principles are studied as the background for examining problems as they relate to humans in the ecosystem. Lab fee. Prerequisite: CHM 100 or equivalent. Offered every other fall.

**BIO 265 Biodiversity (4)** The five kingdoms of organisms will be studied in lecture, laboratory and the field. Students gain basic knowledge concerning systematics, population studies and specimen collection. Prerequisite: CHM 100 or equivalent (enrollment may be concurrent). Lab fee. Offered each spring.

**BIO 280 Introduction to Medical Technology (2)** A course designed to introduce students to the laboratory procedures and subject matter of the medical technology program. Taught at St. John's Mercy Hospital. Lab fee. Prerequisite: CHM 100 and one beginning level biology course. Offered each spring.

**BIO 306 Modern Topics in Biology (4)** Offered with BIO 206. Requires additional research focus on one topic to be submitted as a paper. Prerequisite: Any 200 level biology course.

**BIO 308 Genetics (4)** A study of classical and modern genetics, including principles of Mendelian inheritance, mutagenesis, the genetic code, gene interactions, and population genetics. Lab fee. Prerequisite: BIO 204.

**BIO 313 Immunology (3)** A lecture and laboratory course introducing concepts and technology in immunology. Lab fee. Prerequisite: BIO 204 (enrollment may be concurrent). Offered every other year.

**BIO 316 Biochemistry (4)** A lecture and laboratory study of the structure and functions of the various chemical constituents of living matter. Lab fee. Prerequisite: CHM 362 and BIO 204 or consent of instructor.

**BIO 317 Molecular Biology (4)** A course which deals with the fundamental roles of nucleic acids and proteins. The molecular basis of the genetic code and gene expression will be examined with special emphasis on current recombinant DNA and RNA technology. Laboratory experiments will focus on plasmid vector systems and bacterial genes to provide basic experience in molecular cloning. Lab fee. Prerequisites: BIO 308, 316.

**BIO 326 Environmental Physiology of Plants (2)** Lecture course which examines the physiology affecting interactions of plants with their environments. Resource acquisition, responses to environmental stress, and interactions between organisms are emphasized. Prerequisite: BIO 234.

**BIO 327 Comparative Vertebrate Anatomy and Physiology I (4)** A study of the structure and function of vertebrate organ systems. Emphasis is on basic organization and structure, covering support and movement as well as the nervous and sensory systems. Laboratory exercises include dissection, neuromuscular physiology, and sensory physiology. Lab fee. Prerequisite: BIO 204.

**BIO 328 Comparative Vertebrate Anatomy and Physiology II (4)** A study of the structure and function of vertebrate organ systems. Emphasis is on the endocrine system, energy acquisition and metabolism, body fluid regulation and reproduction. Lab fee. Prerequisite: BIO 327 or consent of instructor.

**BIO 330 Developmental Biology (4)** This course examines the general principles of developmental biology. The course includes studies of recent discoveries expanding our understandings of human brain development, connections between developmental events and cancer. Major topics are concepts about the onset of development, molecular and cellular phenomena of development, cell and tissue interactions, and morphogenesis. Lab fee. Prerequisite: BIO 204.

**BIO 331 Rhythmic Phenomena in Plants (2)** Lecture and discussion course which examines the evidence concerning the ability of plants to measure time in such phenomena as sleep movements, flower opening, opening of stomata, odor production, time to flower and time to grow. Prerequisite: BIO 234.

**BIO 332 Plant Growth and Development (4)** A lecture and laboratory course which examines growth and differentiation in higher plants. Rhythmic phenomena such as leaf and fruit abscission as well as flowering are investigated. Tissue culture and other techniques in biotechnology are used in the laboratory. Lab fee. Prerequisite: BIO 234.

**BIO 335 Experiments in Tissue Culture (3)** A procedural and historical examination of the use of cell and tissue culture under controlled laboratory conditions to study differentiation, organogenesis, and clonal proliferation of plant and animal tissue. Lab fee. Prerequisite: BIO 204.

**BIO 343 Invertebrate Zoology (4)** A lecture and laboratory study of invertebrate animal groups with the exception of insects. Emphasis is placed on the ecology, behavior, physiology, and phylogenetic relationships of the taxa. Lab fee. Prerequisite: BIO 265.

**BIO 351 Field Studies in Taxonomy (3-5)** Studies on a taxon of student's choice conducted on Cuivre River property. Work includes collection, identification, and preservation techniques. Lab fee. Prerequisite: BIO 265.

**BIO 353 Microbiology (4)** A course relating major principles in biology to the microbial world. Primary emphasis is on prokaryotes with consideration of the algae, fungi, protista and viruses. Lab fee. Prerequisite: BIO 265.

**BIO 355 Survey of Plants (4)** A lecture and laboratory survey of the plant kingdom emphasizing gross structure, reproduction, and evolutionary relationships of representative forms. Lab fee. Prerequisite: BIO 234.

**BIO 358 Parasitology (2)** An introductory lecture and laboratory course on members of the animal kingdom living in and on the human body with aspects of medical significance. Includes the study of vectors, reservoirs, hosts, and factors of an ecologic and epidemiologic nature associated with disease transmission and prevention. Lab fee. Prerequisite: BIO 265.

**BIO 364 Evolution (3)** A course of readings and discussion of the major evolutionary theories from Lamarck and Darwin to Gould with comprehensive treatment of the Modern Synthesis. Current research in evolution is considered. Prerequisite: BIO 308.

**BIO 365 General Ecology (4)** A study of ecology, including ecosystem dynamics, models of population growth and distribution, measurement of energy flow and population dynamics. Lab fee. Prerequisite: MTH 141.

**BIO 366 Coevolution (2)** Lecture and discussion course which examines mutual evolutionary adjustments of different organisms in relation to each other. Plant pollination and insects, mimicry, warning colorations and other interesting relationships will be viewed from an evolutionary perspective. Prerequisite: BIO 364.

**BIO 390 Seminar Topics in Biology (3)** Special topics selected from various areas of biological investigation either of recent or historical origin. Topics differ from year to year. Prerequisite: 15 hours in biology.

**BIO 400 Field Study (1-5)**

**BIO 401 Biology Review (3)** Course assimilates information from required courses in biology. Prerequisite: Senior status.

**BIO 402 Independent Research (3-4)**

**BIO 450 Internship (6 or more)**

### Medical Technology

Internship courses are taken during the fourth year of the Medical Technology degree program and must be taken at an NAACLS accredited program. Variations in credit hours indicated after each entry are due to specific program variations at the internship institutions.

**MTC 301 Clinical Chemistry (8-12)** Aspects of the clinical biochemistry of body fluid constituents are examined using analytical and theoretical approaches. Techniques learned are manual and instrumental.

**MTC 302 Coagulation (1-2)** Principles and techniques used in the study of coagulation are examined in lecture and laboratory.

**MTC 303 Clinical Education (1-4)** Topics such as inservice education and educator techniques in the instructional process are discussed. Objectives, learning activities, and evaluative measures are examined.

**MTC 304 Hematology (3-6)** Study of normal cellular elements of blood and bone marrow, including cell life histories and morphologies; abnormalities in life histories and morphologies are analyzed quantitatively and qualitatively; hemostasis and hemorrhagic disorders also are covered.

**MTC 305 Immunohematology (3-5)** Blood group systems and immune response are studied with an emphasis on genetics, incidence, serologic reactions, and rate types, as well as blood-bank methodology. Administrative and legal aspects of blood banking are studied.

**MTC 306 Immunology-Serology (2-3)** Antibody production, antigen-antibody interactions and techniques in serological testing of various diseases are studied.

**MTC 307 Clinical Laboratory Management (1)** Principles and philosophy of effective management including function, organization, staffing, and direction are investigated.



# BUSINESS ADMINISTRATION

## Program Description

A Bachelor of Arts degree in Business Administration is offered with majors in Accounting\*, Business Administration, Management Information Systems\*, Marketing\*, and Retail Marketing\*. A Human Service Agency Management Program Concentration\* is available; see below.

Core requirements total 36 credit hours and are as follows: 200, 201, 211, 212, 240, 320, 330, 350, 360, 370, 430, and COM 303. (NOTE: BA 430 is a culminating course taken toward the end of degree completion.)

All Business Administration Degree Candidates are required to show proficiency in microcomputer applications. Unless waived by your advisor, BA/COL 170 (Microcomputer Applications) fulfills this proficiency requirement.

Highly recommended courses within the General Education requirements include: MTH 141, 151, and/or 161.

## Major Requirements

**Accounting**--A total of twenty-four semester hours of approved accounting courses must be completed for a major in accounting. This 24 hour requirement includes BA 200 and 201, which are part of the Business Administration core. The required accounting courses to be taken after the core include BA 300, 301, 400, and 402. In addition, two courses from the following must be taken as accounting electives: BA 305, 401, 403, 404, 405, 409.

**Business Administration**-- The Business Administration major consists of twenty-one hours beyond the core requirements. These electives consist of the following: twelve hours of 300 or 400 level business courses and nine semester hours of business/free electives. These may be selected from courses in any of the available business disciplines.

**Marketing**--A total of twenty-one semester hours of approved marketing courses must be completed for a major in marketing. This 21 hour requirement includes BA 350 which is part of the Business Administration core. The required marketing courses to be taken after the core include BA 351, 451, 453, and 454. In addition, two courses from the following must be taken as marketing electives: BA 352, 353, 354, 355, 452, 455, or 459.

**Management Information Systems**--A total of twenty-one semester hours of approved management information system courses must be completed for a major in MIS. This 21 hour requirement includes BA 240 which is part of the Business Administration core. The required MIS courses to be taken after the core include BA 340, 341, 441, and 442. In addition, two courses from the following must be taken as MIS electives: BA 342, 343, 443, or 449.

**Retail Marketing**--The Retail Marketing Major has two distinct options:

- (1) Retail Marketing Management
- (2) Fashion Art

Core requirements for both options total twenty-four semester hours and are as follows: BRM 171, 173, 274, 275, 276, 371, 372 and 373. Additionally six semester hours of retail marketing electives are required and may be selected from the following: BRM 374, 375, 376, 379 and 479.

**Retail Marketing Management Option:** Required courses for the Business Administration option total 27 semester hours and are as follows: BA 200, 201, 210, 240, 320, 330, 350, 360, 430.

**Fashion Art:** The Fashion Art option totals 30 semester hours selected from the following: ART 106, 108, 136, 181, 218, 219, 300, 330, and 381. An additional 3 semester hour Art History elective is also required.

## Areas of Concentration

A concentration consists of twelve additional semester hours, in a particular area of study, beyond the business core requirements. This includes Accounting, Economics, Finance, Management, Management Information Systems, Marketing, and Retail Marketing.

## Requirements for the Minor in Business Administration

Students majoring in other departments may choose to have a minor in Business Administration. The minor consists of the following courses: BA 200, 201, 210, 240, 320, 330, 350, and 360 (24 hours total).

Certain non-business majors, including Communications majors, define a minor in Business Administration. Students should discuss these minors with their major advisors.

## Advising and Counseling

The Division of Management offers advising and counseling to assist students in scheduling their courses to meet program requirements.

## Human Service Agency Management Program

The concentration in Human Service Agency Management is intended to serve a broad spectrum of career paths. Therefore, the concentration combines a focus on human services with selected studies in a number of different practice settings. Students seeking a concentration in HSAM will complete 18 credits of focused coursework and a major core in an approved related discipline. Suggested related disciplines include but are not limited to: business administration, health management, education, political science, public administration, gerontology, performing arts, psychology or sociology. For additional information, contact the Director of the Human Service Agency Management Program.

Upon admission to the college, HSAM students will be assigned an advisor who will assist in designing a program of study that is targeted toward the student's desired career placement. This program must include the following courses:

**HSA 100 Introduction to Human Service Agencies** (3) Course covers the history of voluntarism and agencies designed to provide social services. Focus will be on voluntarism in a democratic society, the function and purpose of volunteer and social service agencies, and their sponsorship. Features weekly presentations by agency managers from a wide range of service providers.

**HSA 200 Management of Human Service Agencies** (3) General management techniques are applied in the specialized settings of Human Service Agencies. Includes management of agency staff, volunteers, and client services. Focuses on membership acquisition and member services to encourage and retain participation.

**HSA 250 Leadership** (3) Designed to explore the various techniques for exercising influence in structured situations. Emphasis on leadership research and techniques including the development of attitudes and action for effective leadership.

**HSA 300 Fundraising and Financial Management of Human Service Agencies** (3) Examines the differences between the for-profit and not-for-profit organization. Includes an examination of philanthropy and techniques of fundraising, relationships with umbrella funding organizations, government funding, grantsmanship, and budgeting.

**HSA 450 Internship** (3) Students are placed in human service agencies to serve in functions normally assigned to entry level managers. Under the supervision of agency personnel, students will observe and practice human service agency management skills. May be repeated once in a different practicum setting. Requires 15 hours of agency participation each week throughout a semester.

**HSA 499 Senior Synthesis** (3) Required capstone seminar to be completed during the last term of baccalaureate study. Provides an opportunity for discussion of professional standards and ethics and an evaluation of case studies related to students' internship experiences.

## American Humanics

Also available is the nationally recognized American Humanics co-curricular program which qualifies the student admitted to and completing it to become a certified American Humanics graduate. Interested students should see the Director of the Human Service Agency Management program for application forms for this specialized national program.

## Courses of Study

**BA/COL 170 Microcomputer Applications** (3) An introductory course designed to address issues and practical applications important to microcomputer users. Utilizing a "hands-on" lab approach. Subject areas addressed include: basic DOS command applications, word processing skills development, and spreadsheet/database development and use. Offered: Every semester.



## General Business

**BA 100 Survey of American Free Enterprise System (3)** This course introduces the student to the essentials of business activities in managing, marketing, accounting, and finance, and to various economic systems, with special emphasis on the free enterprise system. May not be taken by Business majors with Junior or Senior standing. Offered each semester.

## Accounting

**BA 200 Principles of Financial Accounting (3)** A basic study of the financial aspects of asset resources including their nature, valuation, sources, and uses in operations analyses within the accounting information processing system and cycle, and income and financial position measurements and reporting. Offered each semester.

**BA 201 Principles of Managerial Accounting (3)** A basic study of managerial accounting with the emphasis on the use of accounting information in decision making. Cost analysis, budgeting, capital expenditure programs, and cash flow are some of the topics that will be explored. Prerequisite: BA 200. Offered each semester.

**BA 300 Intermediate Financial Accounting Theory and Practice I (3)** The development, application and importance of accounting standards, principles and conventions, including current FASB opinions. Effects of balance-sheet valuations and their impact on income statements; effects of judgment and opinion on the "fairness" of statement presentation. Prerequisite: BA 201.

**BA 301 Intermediate Financial Accounting Theory and Practice II (3)** Continuation of BA 300. Prerequisite: BA 300.

**BA 305 Computer Base Accounting Systems (3)** Theory and integration of microcomputer based accounting systems with the structure and demands of accounting and data flow. Analysis to include the design and application of computer based accounting systems utilizing current spreadsheet technology. Prerequisite: BA 200.

**BA 400 Auditing (3)** Theory and application of generally accepted auditing standards and procedures followed by independent public accountants. Possibilities and ethics of the CPA as well as actual problems are examined. Prerequisite: BA 200.

**BA 401 Income Tax -Personal (3)** Introduction to the Internal Tax Code as it pertains to the individual taxpayer. Areas of interest to include tax determination, computation methods, and special tax considerations. Prerequisite: BA 200.

**BA 402 Introduction to Cost Accounting (3)** Concepts of cost determination, reporting, and control related to manufacturing operations. Emphasis is placed on job order and process cost accounting systems. Prerequisite: BA 201.

**BA 403 Managerial Accounting (3)** 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: BA 201.

**BA 404 Advanced Accounting (3)** Specialized topics in advanced financial accounting: consolidations, mergers, partnership liquidations, consignments, installment sales, estates and trusts. Prerequisites: BA 301.

**BA 405 Governmental and Nonprofit Accounting (3)** Concepts of accounting and financial reporting for federal, state, and local government and for nonprofit organizations. Prerequisite: BA 301.

**BA 406 Income Tax-Corporate (3)** Analysis of the Federal Tax Code as it relates to Corporations, Partnerships, Estates, and Trusts. Prerequisite: BA 401.

**BA 409 Directed Studies in Accounting (1-6)** Prerequisite: Permission of instructor.

## Business Law

**BA 360 Business Law I (3)** An introduction to the sources of law and the judicial function, contracts, agency, employment, partnerships, and corporations.

**BA 361 Business Law II (3)** Federal regulation of business, including insurance, sales, commercial papers, real and personal property, secured transactions, debtor's rights. Prerequisite: BA 360.

## Economics

**BA 210 Survey of the Principles of Political Economics (3)** A one-semester survey of the major economic issues of the day and an introduction to the principles used in the analyses of these problems. The basic economic problem of how scarce resources should be used to meet human needs will be the central theme of the course. This course serves as an introduction to Political Economy for non-business majors. (General Education course option.) Offered each semester.

**BA 211 Principles of Political Economy--Micro (3)** The scope and method of economics. The market economy, demand, supply and current price system, market structures, distribution of income, current problems that can be investigated by micro-economic analysis. Prerequisite: sophomore standing. Offered: Fall semester.

**BA 212 Principles of Political Economy-Macro (3)** National income measurement and determination; consumption, investment and saving; the cyclical nature of economic activity; role of money and financial institutions; economic growth; international economic relationships. Prerequisites: BA 211 and sophomore standing. Offered: Spring semester.

**BA 311 Managerial Economics (3)** This course is designed to demonstrate the broad applicability of economic analysis to provide framework for private and public decision-making. Topics will include demand estimation, production theory, cost theory, market structure, and government regulation of business. Prerequisites: BA 212 and 370.

**BA 312 Business Conditions Analysis and Forecasting (3)** A detailed study of the factors which affect the level of national income and the techniques of forecasting them. The emphasis will be on interpreting changes in the aggregate economy and their impact upon various sectors, industries, and firms. Prerequisites: BA 212, MTH 141.

**BA 314 American Economic History (3)** Economic life and institutions in the United States from colonial days. Economic growth, state and private authority in relation to economic activity, monetary and banking history, trade and commerce, industrial development, labor problems, transportation, land and agricultural policy. Identical with History 314. Prerequisite: One course in U.S. History and Economics 210 or 212.

**BA 315 International Business and Economic Development (3)** This course will examine the major theories of economic development as they apply to different societies around the world. The role of the multinational corporation in promoting economic development will be assessed. Prerequisite: BA 210 or 212.

**BA 412 Money and Banking (3)** The nature and functions of money and banks. The development of the American banking system, the organization and functions of the Federal Reserve System, and monetary policy and theory. Prerequisite: BA 210 or 212.

**BA 413 International Economics (3)** An exploration of the economic, financial, political, and cultural framework in which international business is conducted as well as the global strategies of the multinational firm. Prerequisite: BA 210 or 212.

**BA 414 Comparative Economic Systems and Development (3)** An analysis and evaluation of capitalism, socialism, and communism both historically and functionally with an emphasis on the role of economic development in each form of economic system. An integration of the theory of economic systems and development and a critical examination of current economic development, policies, and programs. Prerequisite: BA 210 or 212.

**BA 415 History of Economic Thought (3)** An inquiry into the development of economic ideas and the environment of the men connected with them. Prerequisite: BA 210 or 212.

**BA 419 Directed Studies in Economics (1-6)** Prerequisite: Permission of instructor.

## Finance

**BA 320 Principles of Finance (3)** The fundamentals of financial management which includes planning, budgeting, and control; also external sources and methods of capital acquisition. A study of the evolution, functions, and practices of the many financial intermediaries with which the firm must interface. Prerequisites: BA 201, 212.

**BA 321 Financial Management (3)** A case study approach to the problems of finance including special topics such as international finance, small business finance, the timing of financial policy and optimum capital structure. Prerequisite: BA 320.

**BA 322 Financial Markets and Institutions (3)** A study of the markets and institutions that participate in the finance function of the U.S. and international capital and money markets. The impact of regulation and the unique role of finance in influencing aggregate economic activity will be examined. Prerequisites: BA 320.

**BA 420 Investments (3)** Presentations of the investment field in theory and practice. A survey and analysis of particular types of investment securities and vehicles—public stock companies, private stock companies, bonds, various types of securities, real estate, various government and private financial paper. A survey of the bases for investment decisions and the management of investment portfolios. Prerequisite: BA 320.

**BA 429 Directed Studies in Finance (1-6)**  
Prerequisite: Permission of instructor.

## Management

**BA 330 Principles of Management (3)** Development of the understanding of organizations and of the decision-making skills required in management positions. Examination of the various concepts of management and the basic functions of management—planning, organizing, motivating and controlling. The planning of goals, changes, progression of people, and the managerial value systems will be investigated.

**BA 331 Organizational Behavior and Human Resource Management (3)** Development of knowledge and skill in the application of behavioral science theories and concepts to organizational processes and problems. Emphasis is on intrapersonal, interpersonal, small group, intergroup, managerial, and whole organizational issues and problems. Prerequisite: BA 330.

**BA 332 Management of Personnel Systems (3)** Designed to provide basic understanding of the field of industrial relations including personnel management and labor relations. Labor relations deals with those activities impacting on employees as members of a collective bargaining unit as they relate to management goals. Personnel management is concerned with those activities related to individuals and their employment and employers. Prerequisite: BA 330.

**BA 430 Management Policy (3)** Development and understanding of the top management view of organizations. Understanding the formulation and scope of general policy to direct the activities of the

organization. Methods of determining objectives, developing plans to achieve objectives, measurement of results, reappraisal of objectives, and ability to react to evolving situations. Prerequisite: Senior level.

**BA 431 Production Management (3)** The techniques, methodology and tools used in assisting production decision-making. Basic concepts in management science and operations research. Optimization problems, transportation problems, inventory production and problems, and linear programming will be discussed. Prerequisites: BA 330 and completion of all-college mathematics requirement, including BA 370.

**BA 432 Managerial Ethics (3)** Defining the position of business enterprises to the general value of society. Discussion of public policy and the role of managing an enterprise, the responsibility of the public and the government to provide an atmosphere of the operation of business and the responsibility of management of enterprise to provide for the common good; the business enterprise as a good neighbor at the local and national level. Prerequisite: BA 330.

**BA 439 Directed Studies in Management (1-6)**  
Prerequisite: Permission of instructor.

## Entrepreneurial Studies

**BA 333 Small Business and Entrepreneurship (3)** This course examines the impact of small business and entrepreneurship on the economy and their function in new-venture creation. The business venture is examined with respect to the business plan, financial planning, marketing and management, decisions at the various stages of the business life cycle. Prerequisite: BA 200.

**BA 334 Seminar: Business Plan Development (3)** The central focus is on the preparation of a business plan which fosters opportunity recognition skills. It also examines the ways entrepreneurs identify and commit the necessary resources to finance their ventures. The student will concentrate on skill development in pre-venture planning (writing a business plan) techniques. A framework is developed which incorporates marketing feasibility studies and financial analysis into a comprehensive business plan. Prerequisite: BA 333 or approval of instructor.

**BA 433 Seminar: New Venture Initiation (3)** Course designed to aid student in gaining a better understanding of the venture initiation process. This will be accomplished through the development of a new venture initiation model. An understanding is developed in regard to the strengths and weaknesses of the entrepreneur. Insight is gained into the mechanics of venture initiation. Marketing, funding, and opportunity identification is stressed. Prerequisite: BA 334 or approval of instructor.

## Management Information Systems

**BA 240 Introduction to Data Processing (3)** This course covers basic design features of computers, major components of computer systems, and the impact of information technology on business organizations. Topics discussed include hardware, software, telecommunications, database management and systems development methodologies. The

concepts of the course are illustrated by the use of spreadsheet and database software on microcomputers, as well as programming in BASIC. Offered each semester.

**BA 340 COBOL Programming I (3)** Computer programming for business applications in structured COBOL in a PC environment. Applications using sequential file techniques are written, compiled and executed on the microcomputer using the RM/COBOL-85 compiler. Prerequisite: BA 240 or permission of instructor.

**BA 341 COBOL Programming II (3)** Advanced computer programming for business applications in structured COBOL. Topics covered 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. Prerequisite: BA 340.

**BA 342 Survey of Programming Languages (3)** A comparative study of programming languages focusing on procedural and nonprocedural languages. The advantages and drawbacks of each category of languages will be discussed. The concepts of the course will be illustrated by completing programming assignments in each of the language categories. Prerequisite: BA 340.

**BA 343 Information Systems Programming in C (3)** Fundamentals of programming in C with an emphasis on business oriented problems. Prerequisite: BA 342.

**BA 370 Introduction to Management Science (3)** Course will introduce students to quantified techniques of management science. A microcomputer software package capable of solving a variety of management science problems will be utilized extensively throughout the course. Formulating linear programming models and interpreting computer solutions will be stressed. The course will also present network, inventory and simulation models, as well as project management. Forecasting techniques used in business will be discussed. Prerequisite: High school level algebra and completion of General Education Math coursework.

**BA 441 Data Base Design and Management (3)** This course provides management-oriented introduction to database systems. Theoretical foundations necessary for understanding of hierarchical, network and relational models are provided. Various approaches to database design are presented, with emphasis on normalization and data modeling. Course concepts are reinforced by the use of cases and projects. The basics of SQL are covered, and technical aspects of database administration are examined. Prerequisite: BA 340 or any other programming course.

**BA 442 Principles of Systems Development (3)** Designed to provide the basic skills and understanding needed to develop computerized information systems. This course presents techniques and strategies used throughout a systems development project from determining user requirements to the final evaluation of the installed system. Use of CASE tools and prototyping is emphasized. Prerequisite: BA 441.

**BA 443 Management of Information Technology** (3) This course addresses management issues facing IS professionals. Topics covered include strategic planning, technology assessment, application portfolio management, operational activities, and controls. Prerequisite: BA 442 or concurrent enrollment.

**BA 449 Directed Study in Management Information Systems** (1-6) Prerequisite: Permission of instructor.

### Marketing

**BA 350 Principles of Marketing** (3) An in-depth introduction to the functional business area of Marketing, which includes both a macro and micro view of the presenting of goods and services to target customers through the use of the marketing variables of Product, Price, Place, and Promotion. Emphasis of 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.

**BA 351 Marketing Information Source and Research** (3) An introduction to the various sources of data and information used in making strategic and tactical marketing decisions. The focus of this course is on the marketing and research process from problem definition, data collection techniques, data analysis, interpretation, oral and written presentation of research findings. Students will conduct a marketing research project. Prerequisite: BA 350. Recommended: BA 370.

**BA 352 Sales Policy and Management** (3) An examination of the organization and the sales effort and of functions of salesmen and sales managers (including all echelons from the general marketing managers to the territory salesmen.) Problem areas such as sales department organization, recruitment and training, motivation, supervision, and goal setting are reviewed. Prerequisite: BA 350.

**BA 353 Retail Marketing: Principles and Techniques** (3) See BRM 371

**BA 354 Retail Operations** (3) See BRM 372

**BA 355 Survey of National and/or International Markets** (3) This course is designed to give students a first-hand look at the real business world through 5-10 day study tours in either New York, London, or other national and international business centers which include formal industry tours, presentations, and seminars by industry executives in a variety of business settings arranged by the faculty of the Division of Management.

**BA 451 Consumer Behavior** (3) A survey and analysis of the consumer's marketplace behavior, including motivation, buying behavior, learning, problem solving, perception, and decision making. Social, cultural, and psychological factors formulating buyer's behavior are explored as well as marketer's techniques to anticipate and define consumer needs, wants, and desires and predict their responses to various marketing strategies to increase financial success in the marketplace. Prerequisite: BA 350. Recommended: BA 351.

**BA 452 Principles of Public Relations** (3) A study of the theoretical and practical concepts of the purposes and functions of public relations. Primary emphasis will be placed on evaluation of public opinion, selection of media and message, and the organizational and environmental aspects of public relations. Prerequisite: BA 350 or consent of instructor.

**BA 453 Marketing Management and Planning** (3) An exploration of the processes involved in managing the marketing function of the organization. Emphasis is placed on defining marketing problems and opportunities, evaluating alternative solutions and developing strategies to address these issues as a member of a marketing management team in a variety of marketing settings through case analysis. Prerequisites: BA 350, 351, 451, and 454.

**BA 454 Advertising and Promotion Policy** (3) The marketing function of communicating with the various publics the organization must address in presenting its goods and services is examined. The strategy, planning, research and execution of marketing communications are analyzed. The problems of operating in the multi-faceted American society are reviewed. Prerequisite: BA 350.

**BA 455 Retail Sales Promotion** (3) See BRM 375.

**BA 459 Directed Studies in Marketing** (1-6) Prerequisite: Permission of instructor.

### Retail Marketing

**BRM 171 Introduction to Retail Marketing** (3) A survey of the interrelationships of industries and services that comprise the retail business. This course focuses on the complexities of enterprises involved in the design, production and distribution of men's, women's, children's apparel and accessories. Offered in the fall and spring.

**BRM 173 Textiles** (3) An introduction to the production, distribution and utilization of textile products. Emphasis on processing fibers and yarns, fabric construction, finishes, serviceability and legislation governing the textile industry. Offered in the fall.

**BRM 274 Merchandise Planning and Control** (3) Basic knowledge of the mathematical interrelationship of profit factors relative to day to day operation of a retail organization. Encompasses concepts, calculations and strategies necessary to successful merchandising including pricing, open-to-buy and retail method of inventory. Prerequisite: BRM 171 or permission of instructor. Offered in the spring.

**BRM 275 Merchandise Information** (3) An investigation of major non-textiles merchandise categories that today's market demands. Examines product information as it relates to home and environment.

**BRM 276/TA 217 History of Costume and Fashion** (3) This course traces the styles of human dress in world culture from the Biblical era through the 20th Century. Offered every third semester.

**BRM 371/BA 353 Retail Marketing: Principles and Techniques** (3) An analysis of the buying function and the buyer's role in various retail organizations. This course focuses on the buyer's responsibilities relative to consumer research, merchandising and management, domestic and foreign resources and purchase negotiation. Prerequisite: BRM 171, 274, or concurrent enrollment.

**BRM 372/BA 354 Survey of Retail Operations** (3) Explores the strategic framework as related to operational functions of retail firms including store management, market functions, business organization and personnel. Analysis of retailing issues, future trends and career opportunities will also be included.

**BRM 373 Retail Marketing Internship** (3) On site retail field experience. Direct application of classroom knowledge in combination with on-the-job supervised training. Prerequisite: BRM 171, 173, 274, and 372 or concurrent enrollment.

**BRM 374/BA 355 Survey of National and/or International Markets** (3) This course is designed to give students a first-hand look at the real business world through 5-10 day study tours in either New York, London, or other national and international business centers which include formal industry tours, presentations, and seminars by industry executives in a variety of business settings arranged by the faculty of the Division of Management.

**BRM 375 Retail Sales Promotion and Advertising** (3) Principles and methods of advertising and promoting merchandise in retail and wholesale operations. Analysis of newspaper/magazine advertisements, visual merchandising, media presentations, publicity, public relations and salesmanship.

**BRM 376 Fashion Planning and Coordination** (3) Investigation of fashion forecasting and the dynamic forces behind a trend as it relates to the textile, apparel and retail industries. Emphasis on researching, analyzing, planning and projecting fashion trends.

**BRM 377/ART 106 Color Theory** (3) A study of the properties of color and the optical effects in perception. The application of color theory through design problems using various media

**BRM 378/ART 218 Fashion Illustration** (3) The application of varied drawing techniques and materials to the illustration of fashion figures for advertisements, catalogues, and other communication media. Previous course work in figure drawing is strongly recommended. Lab fee.

**BRM 379 Visual Merchandising: Principles and Techniques** (3) Introduction to contemporary visual techniques, equipment and materials through lectures, discussions, critiques and labs. Focus on the basics of design, decoration and lighting for department/specialty store window and interior displays.

**BRM 477/ART 219 Fashion Photography (3)** The application of photography to the visual presentation of fashion. Problems in effective lighting, Composition, developing and printing for fashion photography will be explored. The history of fashion image and trends and the business of fashion photography will be discussed. Lab fee. Prerequisite: ART 181 or other experience in photography.

**BRM 479 Special Topics In Retail Marketing (3)**

## CHEMISTRY

### Program Description

The Chemistry Department offers a Bachelor of Arts degree. This degree may be used as a pre-med program. Students wanting a minor in Chemistry should consult the department.

### Requirements for the major in Chemistry:

The requirements of the Bachelor of Arts degree with a major in Chemistry will include:

1. Required courses (35 hours) in Chemistry as follows:

CHM 151 General Chemistry I (4)  
CHM 152 General Chemistry II (4)  
CHM 161 General Chemistry Problem Solving I (1)  
CHM 162 General Chemistry Problem Solving II (1)  
CHM 351 Analytical Chemistry (5)  
CHM 361 Organic Chemistry I (4)  
CHM 362 Organic Chemistry II (4)  
CHM 371 Physical Chemistry I (4)  
CHM 372 Physical Chemistry II (4)  
CHM 388 Chemistry Seminar (1)  
CHN 441 Inorganic Chemistry (3)

or

CHM 442 Inorganic Chemistry of Transition Elements (3)

2. Chemistry electives (6-8 hours)

3. Other courses from the Division of Natural Science and Mathematics (16 hours):

MTH 171 Calculus I (4)  
MTH 172 Calculus II (4)  
PHY 301 General Physics I (4)  
PHY 302 General Physics II (4)

### Courses of Study

**CHM 100 Concepts in Chemistry (4)** 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. Offered each semester.

**CHM 101 The World of Chemistry (3)** 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. (No laboratory.) Offered each semester.

**CHM 151 General Chemistry I (4)** A systematic treatment of the principles of chemistry. Topics include atomic structure, chemical bonding, classification of the elements, physical properties of gases and solution chemistry. Laboratory work is included. Offered each year.

**CHM 152 General Chemistry II (4)** A continuation of CHM 151. Topics include stoichiometry, solutions, thermodynamics, kinetics, equilibria, and classification of the elements. Laboratory work is included. Lab fee. Prerequisite: CHM 151. Offered each year.

**CHM 161 General Chemistry I Problem Solving (1)** Taken concurrently with CHNM 151. Offered each year.

**CHM 162 General Chemistry II Problem Solving (1)** Taken concurrently with CHM 152. Offered each year.

**CHM 230 Industrial Chemistry (3)** 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. No lab. Prerequisite: CHM 152. Offered as needed.

**CHM 343 Coordination Chemistry (2)** A laboratory course covering modern coordination chemistry. The central theme is inorganic coordination chemistry, with emphasis on a variety of common analytical instrumental techniques which are fundamental in the characterization of inorganic compounds. Prerequisites: CHM 152 and consent of the instructor. Lab fee.

**CHM 351 Analytical Chemistry (5)** The study of different quantitative analytical techniques such as gravimetric, volumetric and chromatographic methods of analysis. Laboratory work is included. Lab fee. Prerequisite: CHM 152.

**CHM 352 Instrumental Analysis (5)** The study of instrumental methods of chemical analysis including spectroscopy, electrochemistry and thermal analysis as well as separation techniques. Emphasis is upon principles of the techniques and their applications rather than black box approaches. Laboratory work included. Prerequisite: CHM 152.

**CHM 361 Organic Chemistry I (4)** 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. Laboratory work is included. Lab fee. Prerequisite: CHM 152.

**CHM 362 Organic Chemistry II (4)** A continuation of CHM 361. The principles of chemical behavior are applied to many types of organic compounds, including those of biological significance. Laboratory work is included. Lab fee. Prerequisite: CHM 361.

**CHM 363 Biochemistry (4)** A study of the structure and function of the various chemical constituents of living matter. Laboratory work is included. Lab fee. Prerequisites: CHM 362 and BIO 204.

**CHM 371 Physical Chemistry I (4)** A theoretical and mathematical study of chemical properties and the methods of predicting physical and chemical changes. The principles of thermodynamics are emphasized. Prerequisites: CHM 361, 352 and PHY 304 (or PHY 152 with MTH 172).

**CHM 372 Physical Chemistry II (4)** A continuation of CHM 471 with emphasis upon chemical kinetics and quantum chemistry as means of explaining and predicting chemical behavior. Laboratory work included. Lab fee. Prerequisite: CHM 471.

**CHM 382T Chemical Equilibria (3)** A study of chemical systems in equilibrium and the use of equilibrium constants of several types in calculating the extent to which reactions occur. Prerequisites: CHM 152 and consent of instructor.

**CHM 383T Spectroscopy and Molecular Structure (3)** 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. Prerequisite: CHM 362.

**CHM 385T Chemical Dynamics (3)** A 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. No lab. Prerequisites: CHM 152, MTH 172 and the consent of the instructor.

**CHM 386 Special Topics (3)** Special topics of interest in chemistry will be discussed by both students and faculty. Prerequisites: At least two 300 level courses in Chemistry.

**CHM 388 Seminar (1)** Course will provide background for the retrieval of information from the expanse of chemical literature. A discussion of primary journals and secondary sources such as Chemical Abstracts and Science Citation Index will prepare the student for library research on a topic selected jointly by the student and instructor. Student will present the paper to students and faculty. Prerequisite: Junior or senior status and consent of instructor.

**CHM 441 Inorganic Chemistry (3)** The chemistry of non-transitional 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. No lab. Prerequisite: CHM 372 or consent of instructor.

**CHM 442 Inorganic Chemistry of Transition Elements (3)** The chemistry of transition metals, emphasizing the unusual bonding properties, stereochemistry, and relationship to reactivity. The study includes organometallics, catalysis, and biologically important coordination compounds. No lab. Prerequisite: CHM 371 or consent of instructor.

**Note:** The letter T following the course number indicates a tutorial course which is usually offered when requested by the student.

## COMMUNICATIONS

### Program Description

Bachelor's degrees in Corporate Communication and Mass Communication are offered. A minor is offered in Communication for Business.

### Corporate Communication

The Corporate Communication undergraduate degree (44-47 hours) requires the following courses: (41 hours) COM 100, 110, 240, 242, 254, 402, 403, 305, 307, 401, 405, 460, BA 330, 350, 452, 454. Major electives (3-6 hours) may be chosen from: ART 181, COM 301, 331, 340, 356 or 460.

### Mass Communication

The Bachelor's degree in Mass Communication consists of 42-49 hours. The following courses (29 hours) are required: COM 100, 151, 240, 242, 254, 302, 304, 307, 401, 405 and 460. Specialized coursework (9 hours) will determine a major emphasis in Radio-Television, Journalism or Public Relations. (Radio-Television emphasis requires: COM 360 and two from COM 342, 352, or 356. Journalism emphasis requires: COM 305, 340, and 342. Public Relations emphasis requires: COM 303, 305 and BA 452.). An experiential component (4-7 hours) should be selected from: COM 301, 350 and/or 450. In addition, major electives (up to 7 hours) which were not counted in the major emphasis may be selected from COM 260, 270, 300, 303, 305, 340, 342, 352, 356, and 360.

### Minor in Communication for Business

A minor in Communication for Business requires the completion of the following courses: (16 hours) COM 100, 110, 240, 303, 320, and 331. Elective courses: (3-6 hours) ENG 211, COM 242, 305, 307 and/or 340.

### Courses of Study

**COM 100 Introduction to Mass Communication (3)** A survey of the mass communication field. A general description of the mass media, their role in society, how they work together, and their effect on society. Emphasis on newspapers, magazines, photography, film, radio, television, public relations, advertising, and industrial communication. Offered each semester.

**COM 110 Fundamentals of Oral Communication (3)** An introduction to theories and techniques of non-written communication in business and society. Topics will include: the nature of human communication, listening skills, interpersonal communication, nonverbal communication, small group communication and public speaking. Students will participate in communication skill-building activities, as well as research, organize and present formal speeches. Offered each semester.

**COM 121 Voice and Diction (3)** Training and development of optimum voice quality and diction. Topics for study and application include: breath control, resonance, pitch, projection and word usage. Students will focus on improved articulation based on general American pronunciation. Course work will include the study of the International Phonetic Alphabet. Offered each semester.

**COM 151 Radio Production (3)** An introduction to basic radio station operations. Analysis of programs and audiences in American broadcasting. Directed experiences in organization, writing, production, direction, and performance of basic radio programs. Lab fee. Suggested prerequisite: COM 100 or concurrent registration. Offered each semester.

**COM 240 Interviewing (1)** Practice in the organization and execution of an interview. Topics include the interviewing process, structure, questions, creating rapport, exchanging information, and closing the interview. Various types of interviews will be discussed. Offered each semester.

**COM 242 Basic Reporting (3)** An analysis of the role of the reporter in communicating public intelligence. Laboratory work will stress basic news gathering, reporting and writing techniques. Prerequisites: ENG 102, COM 100. Offered each semester.

**COM 254 Video Production (3)** Theory and practice of video production techniques. An examination of basic program types, equipment operation, staff organization, script writing, and studio production problems. Laboratory work in fundamental video productions. Lab fee. Prerequisite: COM 100. Offered each semester.

**COM 260 Broadcast Announcing (2)** An examination of the theory, practices and skill development of broadcast announcing. The student should acquire basic fundamentals of voice, diction and pronunciation needed by a broadcast announcer. Discussion will include elements necessary for announcing news, sports, weather, music, agriculture, business, commercials; audio-visual narration, and free-lance. Laboratory exercises and live performances will be required of all students. Prerequisite: COM 100, 151. Offered Spring 93.

**COM 270 History of Film (3)** Concentrated study of film from the pioneering efforts of Edison, Griffith and Eisenstein through Charlie Chaplin and Buster Keaton to the recent films of Hitchcock, Bergman and Fellini. Emphasis is placed on the art and graphic history of film as well as its place in mass media. Lab fee. Offered: Spring 93.

**COM 300 Communication Workshop (1-3)** A focused examination of the specialized skills required in a communications field. Lab fees will vary. Prerequisite: Consent of instructor.

**COM 301 Applied Mass Communication (1)** Staff assignments in campus-related media with a term involvement of seventy work hours. The course is designed to give students practical experience in the media. Assignments include the following:

**COM 301 (a) Radio** Prerequisites: COM 100 and COM 151

**COM 301 (b) Video** Prerequisites: COM 100 and COM 254

**COM 301 (c) Newspaper** Prerequisites: COM 100 and COM 242

**COM 301 (d) Public Relations** Prerequisites: COM 100 and COM 242

**COM 301 (e) Yearbook** Prerequisites: ART 181 or ENG 102

*Students may repeat a particular section once and may earn a maximum of 4 credits in applied mass communication coursework.*

**COM 302 Seminar in Professional Communication (1)** An examination of career opportunities, practices and professional activities in the Communications field. A review of historical career opportunities will be contrasted with the development of the new media technologies. Students will be required to develop a portfolio and a career development plan. Upon completion of the course, students will be expected to update the portfolio and present it as part of the course requirements for COM 460. Prerequisites: COM 100, 242, and 254.

**COM 303 Written Communication for Business (3)** The study and practice of effective business writing. Topics will include writing memorandums, letters and reports as well as writing for various publics. Special focus on persuasive communication, international business communication and writing style for corporate publications. Prerequisites: ENG 102. Suggested prerequisites: COM 110.

**COM 304 Broadcast Newswriting (3)** A laboratory course in the preparation and presentation of newscasts and special news programs. Consideration of reporting, interviewing, documentaries and special events. Prerequisites: ENG 102, COM 100, 151 and 242. Suggested Prerequisite: Concurrent registration COM 254.

**COM 305 Publication, Editing and Production (3)** An examination of traditional and computer-assisted techniques of editing, design, graphic production and layout of publications. Study will include magazines, newspapers, brochures, yearbooks and other business publications. Prerequisites: ENG 102, COM 100 and 242.

**COM 307 Writing for the Electronic Media (3)** A laboratory course in techniques and forms of script writing for all types of electronic media. Prerequisites: ENG 102, COM 100 and 254.

**COM 315/EDU 315 Argumentation and Debate (3)**  
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. Prerequisite: ENG 102. Suggested prerequisite: COM 110.

**COM 320 Communication in Organizations (3)**  
An examination of dynamic communication within a business setting. Focus will include small group communication, leadership, problem-solving, communications flow, and detecting organizational communication breakdowns. Students will also present formal speeches for the business and professional environment. Prerequisites: ENG 102, COM 110 (Suggested prerequisite: COM 303.)

**COM 331 Intercultural Communication: US and Japan (3)**  
A study of similarities and differences between Japan and the United States and methods for developing intercultural understanding and improved intercultural communication. Course focus includes the study of Japanese cultural history, literature, interpersonal behavior, and aspects of Japanese language. Business applications are explored including: motivation, organizational behavior and business etiquette. Prerequisite: ENG 102.

**COM 340/ENG 340 Magazine Writing (3)**  
Writing popular non-fiction articles for magazines with emphasis on targeting and selling articles to publications. Prerequisites: ENG 102 and permission of the instructor.

**COM 342 Advanced Reporting (3)**  
Discussion and implementation of gathering information as well as writing news, background stories, interpretive stories, and documentaries for print and broadcast. Analysis of legal, social and moral responsibilities of the reporter. Prerequisites: ENG 102, COM 100, 242 and 304.

**COM 350 Practicum in Media (2)**  
Intensified staff assignments and supervisory experience in campus-related media. The course is designed to give students practical experience in the media. Prerequisites: COM 301 and instructor's permission.

**COM 352 Advanced Radio Production (3)**  
Students carry out advanced assignments in radio production and direction. Preparation, production and evaluation of various radio programs which may include music, entertainment, interviews, commercials and special events. Prerequisites: COM 100, 151.

**COM 356 Advanced Video Production (3)**  
Students carry out advanced creative assignments in video production and direction. Preparation, production and evaluation of various programs which may include news, discussion, educational, interview, entertainment, documentary, commercial, and special events programming. Prerequisites: ENG 102, COM 100, 151, 254 and 307.

**COM 360 Broadcast Operations (3)**  
An examination of the structural organization of radio and television stations in the United States. Various divisions and departments of broadcast station operations will be studied. Special attention will be placed on programming, promotion, audience research, and broadcast management techniques. Prerequisites: ENG 102, COM 100, 151. Suggested prerequisites: COM 254, 301.

**COM 385 Topics in Media for Secondary Education (3)**  
A course designed to prepare secondary education instructors for advising school media. Discussion includes the problems of staffing, developing annual budgets, and dealing with administrators as well as the legal and ethical issues of school media. Prerequisites: ENG 102 and admission to the Teacher Education Program.

**COM 401 Mass Communication Law (3)**  
The study of laws which affect and regulate the mass media. Includes a study of constitutional, statutory and administrative laws. Prerequisites: Completion of 12 credits in Communications courses and senior standing.

**COM 405 Ethics and the Media (3)**  
An examination of moral and ethical issues in mass communication. The course focuses on ethical questions within the communications industry and the effects on media and society. Prerequisites: Completion of 12 credits in Communications courses and senior standing.

**COM 450 Communications Internship (1-6)**  
Supervised work experience for the advanced student which requires the application of communication principles, skills and strategies in business or professional communications organizations. Prerequisites: Minimum of junior standing and approval of the departmental internship committee.

**COM 460 Senior Communications Seminar (3)**  
An examination of the relationship between communication theory and the evolution of the communications industry. Students will develop a major paper as well as explore career opportunities in the field of communications. Prerequisites: Completion of 12 credits in Communications courses and senior standing.

## Computer Science

See Mathematics/Computer Science

## Criminal Justice

### Program Description

The major in Criminal Justice requires a minimum of 36 hours, with 21 hours from the Core group and 15 hours from the elective group:

#### Core Group

- CJ 200 Criminology (3)
- CJ 210 Criminal Justice Systems (3)
- CJ 211 The Juvenile Justice System (3)
- CJ 300 Internal Security in a Democracy (3)

- CJ 301 Government Powers of Arrest, Search, and Seizure (3)
- CJ 305 Penology (3)
- CJ 310 Criminal Law (3)

#### Elective Group

- SOC 218 Race and Ethnicity (3)
- SOC 220 Social Problems (3)
- SOC 221 Urban Sociology (3)
- SOC 322 Social Deviance (3)
- SS 310 Social Science Statistics (3)
- PSY 201 Psychology of Adolescence (3)
- PSY 303 Abnormal Psychology (3)
- PSY 330 Psychology of Learning (3)
- PHL 204 Ethics (3)
- PHL 260 Philosophy of Law (3)
- PS 155 American National Government (3)
- PS 206 American State & Local Government (3)
- PS 310 Public Administration (3)
- PS 396 Civil Liberties (3)
- BA 330 Principles of Management (3)
- BA 200 Principles of Accounting (3)

#### Courses of Study

**CJ 200 Criminology (3)**  
This course will examine crime as a social phenomenon through an interdisciplinary investigation of the causes and patterns of criminal behavior.

**CJ 210 Criminal Justice Systems (3)**  
A survey of various institutions by which the criminal justice system is administered--police, the legal profession, the courts, and penal institutions--including an examination of the problems which the criminal justice system faces and an evaluation of the adequacy of the existing system.

**CJ 211 The Juvenile Justice System (3)**  
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.

**CJ 300 Internal Security in a Democracy (3)**  
An analysis of the police in a democratic political system. Specific attention will be given to the questions of the control of crime and subversive activities and the relation of these controls to the freedoms essential to a democracy.

**CJ 301 Government Powers of Arrest, Search, and Seizure (3)**  
A 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.

**CJ 305 Penology (3)**  
Historical and contemporary analysis of penal systems and reformatories in terms of organization, procedures, programs and effectiveness.

**CJ 310 Criminal Law (3)**  
Analysis of the purposes and sources of the criminal law. 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.

## DANCE

### Course Description

A minor in Dance requires 23 hours of the following courses: DAN 101, 102, 6 hours of 250, 301, 302, 309, 371, and 372.

### Courses of Study

**DAN 101 Introduction to Dance I (2)** An introductory course in the theory and technique of dance. Emphasizes dance as a visual and kinesthetic art. Will develop body awareness and expand individual movement range.

**DAN 102 Introduction to Dance II (2)** A continuation of the introduction to the theory and technique of dance. Focus on the ability to perform extended movement combinations. Prerequisite: DAN 101.

**DAN 103 Dance Practicum (1)** Open to all students by permission of the dance faculty. Students will participate in public performances as members of various Lindenwood-dance groups. May be repeated or credit up to four credits.

**DAN 110 Dance as an Art (3)** 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. No previous dance training is necessary.

**DAN 201 Jazz Dance I (2)** Through a variety of warm-ups, dance exercises and extended movement combinations set to contemporary music, students will learn the essential movement stylizations of jazz dance.

**DAN 202 Jazz Dance II (2)** Continuing study in Jazz dance techniques. Prerequisite: DAN 201.

**DAN 203 Jazz Dance Skills (1)** Additional technical expertise in jazz dance techniques. Prerequisite: DAN 202. May be repeated once for credit.

**DAN 250 Dance Production Workshop (3)** Students will participate in a dance concert or tour, applying dance technique in a performance setting. Prerequisite: permission of instructor. (It is recommended that the course be taken in conjunction with a dance technique course.)

**DAN 270 Special Studies In Dance (2)** Special courses in tap, African, historical or ethnic dance to extend the student's familiarity with the range of dance styles that comprise the art in today's culture. May be repeated as topics vary.

**DAN 301 Intermediate/Advanced Modern Dance I (2)** Emphasizes intermediate/advanced modern dance techniques and performance styles of major choreographers.

**DAN 302 Intermediate/Advanced Modern Dance II (2)** Further exploration of modern dance techniques and performance styles. Special attention to alignment and releasing techniques. Prerequisite: DAN 301.

**DAN 303 Intermediate/Advanced Modern Dance Skills (1)** A continuation of study in modern dance. Prerequisite: DAN 302. May be repeated once for credit.

**DAN 309 Dance Theory and Composition (3)** An exploration of the basic compositional theories of dance through mastery of improvisational movement techniques and the creation of dance compositions. Prerequisite: 2 semesters of dance techniques or permission of the instructor. (It is recommended that the course be taken in conjunction with a dance technique course.)

**DAN 371 Dance in the 20th Century (3)** A survey of the history of Western concert dance from 1900 to the present day. Emphasis on multicultural influences on Western concert dance. No previous dance experience is necessary.

**DAN 372 Dance Teaching Methods (3)** A survey of principles and practices of teaching dance in the schools and private studio settings. Prerequisite: concurrent enrollment in a dance techniques course.

**DAN 470 Seminar In Dance (1-3)** Advanced studies for students with specialized interests. Topics may include studies in choreography, dance history, performance, anthropology, education and off-campus studies. (May be repeated for credit as topics vary.)

**DAN 473 Survey of Dance Therapy (3)** A survey of the various movement techniques such as the Life/Art Process which promotes knowledge of self and others through movement awareness. No prior dance experience required.

## ECONOMICS

See Business Administration

## EDUCATION

### Program Description

Lindenwood College is accredited by the National Council for Accreditation of Teacher Education (NCATE) and the Missouri Board of Education (term of accreditation 9/92-97). Successful completion of the Lindenwood College approved teacher education program qualifies the student for the recommendation that a teaching certificate be issued by the Missouri Department of Elementary and Secondary Education.

Admission to the Teacher Education Program is determined by the Council on Teacher Education. The Council, broadly representative of teacher education at the College, considers applications after the student has completed the course Orientation to Education. Grade point averages, test scores, basic skills competency, and other evidence will be considered by

the Council in determining admission. An ACT or SAT test is required for consideration. The C-Base test must be passed.

The college degree or diploma does not serve as a license to teach. Each state issues its own teaching certificates, based on its own requirements. Upon successful completion of the planned degree program and after passing a state administered test, each student applies for certification to teach in Missouri. The student who wishes certification in other states should seek advice from the Certification Specialist in the Education department concerning requirements in other states.

### Education Certification Programs

Early Childhood Special Education  
Early Childhood (Pre-K through Grade 3)\*  
Elementary (1 through 8)  
Secondary (7-9, 7-12, K-12, K-9)

Art  
Business Education (non-vocational)  
English  
Foreign Language (French, Spanish)  
Mathematics  
Music (Instrumental, Vocal)  
Physical Education  
Science (Biology)  
Social Studies  
Speech and Theatre

Special Education (K-9, 7-12, K-12)  
Learning Disabilities  
Behaviorally Disordered  
Mentally Handicapped

Those interested in the Preschool through Grade 3 certificates will earn an Elementary (1-8) certificate as well. Students interested in special education will note that the program leads to certification in elementary education (Grades 1-8) and an area of special education (K-12). The areas of specialization in special education are (1) Learning Disabilities, (2) Behavior Disorders and (3) Mentally Handicapped. Because these programs are demanding, one must carefully plan and sequence the courses in order to graduate in four years. This means you must contact an advisor in the Education Department as soon as the decision to teach is made.

### Courses of Study

#### Teacher Education

**EDU 110 Orientation to Educational Experiences (2)** A general introduction to the area of education and schooling. All students planning to teach are required to take this course before or in conjunction with their first education course(s). Classroom observation is required. Offered: every semester.



**EDU 201/PSY 201 Psychology of Adolescence (3)** A study of physical, intellectual, emotional and social development during the period of adolescence. Research studies are given special attention in studying the development of a sense of personal identity, changing roles in family, school and community, and problems of adjustment, delinquency and drug abuse. A prior course in psychology is desirable. Offered: See Psychology.

**EDU 246 Children's Literature (3)** History and development of literature suitable for elementary school students. Evaluation of current materials. Offered: Each Spring semester.

**EDU 247 Adolescent Literature (2-3)** History and development of literature suitable for the secondary school (junior and senior high). Evaluation of current materials. Offered: Each Spring semester.

**EDU 274 Physical Education in Elementary Schools (2)** Organizational and instructional aspects of planning a sequential K-8 program of physical education, emphasizing fundamental motor skill development, rhythms, games and sports. Offered: Each Spring semester.

**EDU 300 Adolescent Development: Secondary (3)** A study of the growth of junior high and high school age students as related to their education. Prerequisites: Sophomore standing and EDU 110 or concurrent registration.

**EDU 301 Secondary Educational Psychology (3)** A study of the theories of learning related to secondary students and their influence on current classroom practices. Prerequisites: Sophomore standing and EDU 110 or concurrent registration.

**EDU 303 Child Development: Elementary (3)** A study of growth of elementary school age students as related to their education. Prerequisites: Sophomore standing and EDU 110 or concurrent registration.

**EDU 304 Elementary Educational Psychology (3)** A study of the theories of learning related to elementary students and their influence on current classroom practices. Prerequisites: Sophomore standing and EDU 110 or concurrent registration.

**EDU 305 Elementary Reading Methods (3)** A comprehensive study of the skills required for reading development, such as word attack and perception, vocabulary, and comprehension. A variety of reading methodologies, materials, and evaluation items will be presented and used with readers in the school system. Prerequisite: EDU 303 and EDU 322 or consent of instructor.

**EDU 306 Language Arts (3)** A comprehensive study of listening, grammar, speaking and writing skills as they are integrated into the contemporary language and reading program. Various methods and materials are explored. Prerequisite: EDU 303 or consent of instructor.

**EDU 307 Teaching Reading in the Content Areas (3)** The course is designed to provide prospective teachers of Grades 4-12 with techniques for assessing and improving reading and study skills in the content areas (e.g. English, Math). Students will learn to apply reading concepts, theories, and techniques to content area material by developing model lessons and materials. This course satisfies state requirements for a basic reading course for middle school and secondary certification. Prerequisite: The student must have completed or be currently enrolled in EDU 321 or receive consent of instructor.

**EDU 309 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 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. Prerequisite: EDU 305 or 307.

**EDU 310 Music in Elementary Schools (2)** A general preparation for the teacher in the elementary classroom. A study of the principles, procedures, and objectives of school music. Prerequisite: EDU 322 or consent of instructor.

**EDU 311 Art in Elementary Schools (2)** Designed for either the classroom teacher who may be responsible for an art program or for the art teacher in the elementary school. Studio work and lecture on creative expression and techniques. Prerequisite: EDU 322 or consent of instructor.

**EDU 312 Mathematics in Elementary Schools (3)** A modern approach to the teaching of mathematics is offered for the student preparing to teach in elementary schools. Prerequisites: Fulfillment of college Math requirements, EDU 322 or consent of instructor.

**EDU 313 Social Studies Methods (3)** This course includes the theoretical and practical aspects of the elementary social studies curriculum. Methodology, techniques, strategies and materials appropriate to the area are investigated. Prerequisite: EDU 322 or consent of instructor.

**EDU 314 Utilizing Family and Community Resources (3)** An exploration of the resources of the community and methods of incorporating them into the pre-school program. Family resources and family-school relationships are studied, and materials and methods for developing such relationships contribute a focus of efforts. Practicum experience is a major part of this course. Prerequisite: EDU 317 or consent of instructor.

**EDU 315/COM 315 Argumentation and Debate (3)** 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. Prerequisite: ENG 102.

**EDU 316 Language Acquisition and Development for Young Children (3)** A study of the nature of language, the normal sequence of language development, and an introduction to the theories of language acquisition. The 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 instrument, and techniques for assessing language development. Prerequisite: Junior standing.

**EDU 317 Introduction to Early Childhood/Special Education (3)** A study of principles basic to the preschool environment designed to meet the needs of the developing child. Cognitive, physical, social, emotional, and creative development are investigated and observed in the preschool setting. Curriculum and materials appropriate for early education will be emphasized, as well as planning and executing activities for the preschool child. The growth, development and special needs of preschool children with disabilities will be discussed. This will include developmentally appropriate practices, assessment, and material and curriculum adaptation that may be necessary when working with this population.

**EDU 319 Elementary Science Methods (3)** A course designed to explore various methods, materials, strategies and processes used in elementary school science programs. Students will be expected to develop and teach several science lessons. Prerequisite: EDU 303, 322 or consent of instructor.

**EDU 320 History and Philosophy of Education (3)** 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. Prerequisite: EDU 110.

**EDU 321 Secondary Classroom Teaching and Management (3)** Techniques and procedures applicable to effective teaching, planning for instruction, practicing specific micro-teaching skills, techniques of classroom management and discipline. Prerequisite: EDU 300 & 301 or consent of instructor.

**EDU 322 Elementary Classroom Teaching and Management (3)** Techniques and procedures applicable to effective teaching, planning for instruction, practicing specific micro-teaching skills, techniques of classroom management and discipline. Prerequisite: EDU 303 & 304 or consent of instructor.

**EDU 323 Methods of Teaching Elementary School Music (3)** A study of the various approaches to music education in the elementary schools. For music education majors. Prerequisite: EDU 322 or consent of instructor.

**EDU 324 Assessment of Intellectual Skills (3)** Nonprojective, educationally relevant tests will be considered with respect to 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.

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**EDU 325 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. Prerequisite: EDU 317 or its equivalent.

**EDU 326 Curriculum Concepts: Creative (3)** This course will provide the student with techniques, methods and materials used in the curriculum areas of music, art and movement 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 will be part of this course.

**EDU 327 Curriculum Concepts: Cognitive (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 will be part of this course.

**EDU 330-340 Methods of Teaching a Major Subject (3)** Problems of teaching the major subject in secondary schools. New materials and methods are examined, implemented, and evaluated. Prerequisite: EDU 321.

Subjects available are:

- 330 Science
- 331 Mathematics
- 332 Modern Languages
- 333 Art
- 334 English
- 335 Social Studies
- 336 Business Education
- 337 Speech & Theatre
- 338 Music
- 340 Physical Education

**EDU 341 Education of the Exceptional Child (3)** In this course the student (1) develops an understanding of the abilities and disabilities of the groups of children who are commonly classified as exceptional; (2) develops an understanding of the needs of exceptional children and the instructional planning employed to meet those needs; (3) develops an understanding of the emotional handicaps upon an individual; (4) gains an interest in the welfare of the handicapped individual and recognizes society's responsibility to help individuals realize their full potential; (5) gains actual experience with exceptional children and with those professionals who work directly with such individuals. Prerequisite: EDU 110 or consent of instructor.

**EDU 345 Health, Nutrition & Safety of the Young Child (3)** This course focuses upon personal hygiene, eating habits, nutritional requirements, physical fitness, safety precautions, first aid techniques, and emergency procedures. Prerequisite: EDU 303 or its equivalent.

**EDU 351 Screening, Diagnosing and Prescribing Instruction (3)** This course focuses upon methods and materials utilized in screening and diagnosing learning problems in early childhood education. Methods and materials for prescribing instruction will be utilized. Field experiences are part of the course. Prerequisite: EDU 317 or its equivalent.

**EDU 359 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.

**EDU 380 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 will be made by the college consultant and the host teacher. Students in EDU 321 and 322 must enroll for one hour of practicum. Prerequisite: EDU 301 or 304 or consent of instructor.

**EDU 384 Creating Curriculum and Materials for Early Childhood Programs (4)** A course designed to familiarize students with innovative curricula and materials currently in use in art, drama, music, etc. Techniques for promoting cognitive, motor social and emotional development through these materials and programs are emphasized. Students will prepare and test their own materials with preschool children. Students will also become familiar with and develop adaptations to curricula for young children with developmental delays. Specific techniques and planning for children with special needs will be addressed. Prerequisite: EDU 317 or consent of instructor.

**EDU 389 Understanding the Middle School/Junior High School Student (3)** This course will examine the special characteristics of the pre-adolescent and early adolescent; the physical, cognitive and social needs specific to this age group; and ways in which the school can meet those needs.

**EDU 399 Practicum: Analysis and Correction of Reading Disabilities (2)** Students in elementary education will enroll concurrently in this course and EDU 309. Students will apply the testing and remediation techniques taught in EDU 309 in a school setting, working with a regular classroom teacher and remedial reading teacher who will be responsible for observing and working with students throughout the semester. An initial diagnostic report, lesson plans, and progress reports will be required for each student tutored. Prerequisite: EDU 305 or 307.

**EDU 410 Student Teaching (12)** A course consisting of observation, individual conferences, supervised teaching in an elementary and/or secondary school and a weekly student-teaching seminar. This practicum is designed to be the culminating experience in one's teacher preparation program; thus students should have completed all or most of all 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 on 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 students will teach in a regular classroom and a special education classroom. Students must also participate in a September Experience prior to the official start of the student-teaching semester. A student-teaching fee is required. Please see the Undergraduate Guide for further detail (Student Teaching Fee).

**Special Education**

**SED 302/PSY 302 Behavior Management (3)** Study of the application of learning principles to practical problems of behavior with emphasis on behavior management and behavior therapy. The course includes evaluation of research findings on behavior modification in home, school, and clinical settings, laboratory study in acquisition of new behaviors, and visits to local programs using behavior modification with normal and exceptional persons. Prerequisite: PSY 100 or consent of instructor.

**SED 303/PSY 303 Abnormal Psychology (3)** A survey of the major classes of behavior disorders. Emphasis is given to understanding symptoms, the complex interaction of factors related to disordered behavior, and various approaches to correction of behavior problems.

**SED 328 Intro and Methods of Teaching Children with Learning Disabilities (4)** In this course, the student will examine the theories, classification system, characteristics, historical data, and related resources. Methods and materials needed in teaching learners with learning disabilities in special education programs are studied. Both commercial and teacher-developed materials are examined. Prerequisite: EDU 341.

**SED 329 Intro and Methods of Teaching Mentally Retarded Children (4)** In this course, the student will examine the theories, classification system, characteristics, historical data and related resources. Methods and materials needed in teaching learners who are mentally retarded and in special education programs will be studied. Both commercial and teacher-developed materials are examined. Practicum work is an expected part of this course. Prerequisite: EDU 341.

**SED 331 Intro and Methods of Teaching Behaviorally Disordered Children (4)** In this course, the student will examine the theories, classification system, characteristics, historical data and related resources. Methods and materials needed in teaching the behaviorally disordered learner will be studied. Both commercial and teacher-developed materials are examined. Practicum work is an expected part of this course. Prerequisite: EDU 341.

**SED 333 Speech and Language Development for the Exceptional Learner (3)** This course is designed to increase the student's knowledge of the characteristics of human language and how such knowledge facilitates a clearer understanding of the young special education learner. Prerequisite: EDU 341.

**EDU 337 Special Education Counseling (3)** A course which attempts to combine the traditional psychology of counseling in all its variety with special consideration of the problems experienced by exceptional children, their families and their teachers. Prerequisites: EDU 341, one additional Special Education course, and SED/PSY 303.

**SED 340 Career Development (3)** The emphasis is on current theories and vocational development. Interest testing and aptitude testing significantly related to vocational development and their application to occupational training are included. Prerequisite: EDU 341.

**SED 357 Remediation in Elementary Math (3)** Foci of this course are (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 experimental needs of students. Prerequisites: fulfillment of college math requirements, EDU 303 or 322, and 312.

## ENGLISH

### Program Descriptions

#### English Major

A major in English requires 39-42 semester hours in English exclusive of ENG 101 and 102. English as a double major may be obtained by completing 30 hours. The following courses are required for the major: ENG 235, 236, 304, 305, 306, 333 or 334, and 354, plus 12 hours of a foreign language. Consult the English department faculty regarding minors in English or Comparative Literature.

#### Writing Major

A major in Writing, administered by the English Department in conjunction with the Communications Department, requires 42 hours, including 21 hours of literature and 21 hours of writing courses. ENG 236 and 306 are required for this major. Students should choose their writing courses from the following courses: ENG 211, 302, 341, 342, 343 and 344; COM 242, 304, 305, 307, 340 and 342.

Students should check catalogue descriptions for prerequisites to these courses. Writing majors must take 12 hours of a foreign language or the equivalent, as determined by the Foreign Language faculty. Faculty advisors will assist in directing a student's progress.

#### Courses of Study

**ENG 101 English Composition I (3)** 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. Oral presentation, formal and informal, is an important component of the course. Selections from expository and imaginative literature

will be discussed as models for the effective use of language and as sources for composition topics. Offered each semester.

**ENG 102 English Composition I (3)** Continuation of ENG 101 with special attention to the development of a mature style and to the research, mechanics and writing of a documented paper. Oral presentation, formal and informal, is an important component of the course. Three sections with different emphases are available as follows:

**English Composition II-A:** In addition to the general content indicated above, the writing assignments will be related to the subject areas anticipated in college study and the focus will be on developing clear, direct style in expository prose.

**English Composition II-B:** In addition to the general content indicated above, students may follow their creative interests in writing fiction, drama, or poetry for a major part of their writing requirement in the course. The research paper will be an inquiry into some aspect of imaginative literature. Permission of the instructor is required for admission.

**English Composition II-C:** This is a Special Topics section which will be taught by a faculty member from a discipline other than literature. In addition to the general content indicated above, the course will treat material related to a selected topic which will be published in advance of registration. Offered each semester.

**ENG 103 Writing Lab (1)** A laboratory experience to develop basic writing skills in conjunction with coursework in the English composition courses. Interactive computer programs and individualized faculty assistance will be available to the student. (Prerequisite: concurrent enrollment in ENG 101 or 102. Repeatable: Students may take up to four credit hours of writing labs.) Offered each semester.

**ENG 201 World Literature I (3)** A study of ideas that have shaped civilizations, Western and non-Western, with emphasis on the literature of various cultures and periods. The first semester of the sequence deals with Far and Near Eastern cultures and Western culture from Ancient Egypt through the Middle Ages. 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. Student written work consists of both critical and creative writing. Prerequisites: ENG 102, HIS 100 or concurrent enrollment. Offered: Fall 92.

**ENG 202 World Literature II (3)** A continuation of ENG 201, dealing with the Renaissance to the present in the West plus, and in relation to, African and Native American cultures. Prerequisites: ENG 102, HIS 100 or concurrent enrollment. Offered: Spring 93.

**ENG 211 Writer's Workshop (3)** A studio course in writing. Students who wish to pursue individual creative interests or who wish to work toward some kind of professional writing career will meet with an instructor who will serve as critic and as moderator for general discussion on the effectiveness of student

work. Students may repeat the workshop, but the repetitions must be under different instructors. Prerequisites: ENG 101, 102.

**ENG 216 Comedy: Its Origin and Development (3)** An investigation of the nature of laughter and the function of comedy in society. Lover 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. Prerequisite: ENG 102.

**ENG 235 American Literature I (3)** Required for the English major. A study of American writing from the colonial frontier to 1890. Emphasis will be on the struggle of New World writers to develop distinctive American themes and characters arising from the conquest of a virgin continent. Prerequisite: ENG 102. Offered: Fall 92.

**ENG 236 American Literature II (3)** Required for the English major and Writing major. A study of late 19th and 20th century American novels, poetry, and drama. A continued exploration of distinctive American themes as reflected through an ever changing and growing society. Prerequisite: ENG 102. Offered: Spring 93.

**ENG 250 Myth and Civilization (3)** An introduction to the myths that have been understood as origins of civilization and culture. Readings will 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. Prerequisite: ENG 102. Offered: Fall 93.

**ENG 302 Advanced Writing and Research (3)** Introduces students to library reference material as well as to the skills of finding information regarding topics of individual interest and general knowledge. Students would complete bibliographies and papers in selected area of their interest. Prerequisites: ENG 101, 102 or the course may fulfill ENG 102 requirement with recommendation of the English Department.

**ENG 303 Advanced Writing Lab (1)** A laboratory experience to develop writing skills beyond the level achieved in English composition courses (ENG 101 and 102). Interactive computer programs and individualized faculty assistance will be available to the student. (Prerequisite: ENG 102. The course is repeatable. Students may take up to four credit hours of writing labs.)

**ENG 304 History of the English Language (3)** Required for the English major and for Teacher Education students certifying in English. Introduction to the study of the English language. The phonology, history and grammar of English are studied in the context of cultural, social and political history with attention also to current linguistic theory. Prerequisite: ENG 102.



**ENG 305 English Literature to 1660 (3)** Required for the English major. A study of English poetry and prose from the Anglo-Saxon period through the Age of Milton. Selected representative readings are studied in terms of the cultural changes and literary conventions which constitute English literary history. Prerequisite: ENG 102.

**ENG 306 English Literature 1660 to 1900 (3)** Required for the English major and Writing major. A continuation of English 305 covering the Restoration, Augustan and late-eighteenth-century Romantic and Victorian periods of English literary history. The work 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. Prerequisite: ENG 102.

**ENG 309 The English Novel (3)** 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. Prerequisite: ENG 102.

**ENG 310 Twentieth Century Novel (3)** The novel in the twentieth century with an emphasis on American and British works. Consideration will be given to treatment of contemporary problems against a background of modern thought. Prerequisite: ENG 102.

**ENG 333 Shakespeare and English Drama to 1600 (3)** Either this course or ENG 334 is required for the English major. A study of English drama before 1600, with emphasis on the principal comedies and historical plays of William Shakespeare. Prerequisite: ENG 102.

**ENG 334 Shakespeare and English Drama 1600-1642 (3)** Either this course or ENG 333 is required for the English major. A thorough study of the major tragedies and tragi-comedies of Shakespeare, together with selected plays by other Tudor and Stuart dramatists. Prerequisite: ENG 102.

**ENG 335/TA 335 Modern Drama (3)** A study of directions in modern and contemporary drama from Ibsen to the present. Includes realism and naturalism and symbolist, poetic, expressionist, existentialist, "epic," and experimental plays. Prerequisite: ENG 102.

**ENG 337 Chaucer (3)** A study of Chaucer's major poems, in the context of medieval philosophy, art and literature, with emphasis on *The Canterbury Tales*. Prerequisite: ENG 102.

**ENG 339 The Bible as Literature (3)** A study of the Bible as literature and of its adaptation into English literature of the seventeenth century. Included will be works of Milton, Bunyan, Donne, Herbert and Vaughn. Prerequisite: ENG 102.

**ENG 340/COM 340 Magazine Writing (3)** Writing popular non-fiction articles for magazines with emphasis on targeting and selling articles to publications. Prerequisite: ENG 102 and permission of instructor.

**ENG 341 Contemporary Prose Stylists (3)** A study of expository prose, considering questions both of theory and practice. Drawing on readings from the philosophy of science, history and literary criticism, the course will begin by investigating the questions raised by any attempt to set out the "facts of the matter," and then turn to a survey of contemporary non-fiction prose examining both the structural and stylistic issues raised by these texts. Prerequisite: ENG 102.

**ENG 342 Writing Seminar (3)** An advanced studio course in writing. Students will work with a professional writer, pursuing their individual creative interests and developing their writing for professional purposes. Prerequisites: ENG 102 and 1 other writing course.

**ENG 343 Writing and Publishing for Children (3)** Writing both fiction and non-fiction of children's reading interests at various stages of development, an overview of the current market for children's writers and specific techniques for writing for the young reader. Prerequisite: ENG 102.

**ENG 344 Technical and Professional Writing (3)** Students learn the techniques of conveying information clearly, fluently and effectively in written and visual form, focusing on such skills as definition, description of mechanisms and processes, classification, and interpretation. Writing includes various reports, instructions, abstracts, memoranda, and proposals. Prerequisites: ENG 102 and one other writing course.

**ENG 345 Folklore and Fables: The Telling of Tales (3)** A course dealing with the art of storytelling and with the role of the storyteller in society. Readings will include folk stories from around the world, fairy tales, fables, and parables. Prerequisite: ENG 102.

**ENG 346 Short Fiction (3)** A study of short fiction as an enduring form of literature. Selections of American and/or world literature will be used to discuss the development, structure, and style of short fiction. Prerequisite: ENG 102.

**ENG 349 Asian Literature (3)** This course introduces students to Japanese, Chinese, and Korean literature through a study of selected novels, short stories, drama and poetry. Prerequisite: ENG 102.

**ENG 351 Twentieth Century Poetry (3)** Poetry from 1900 to the present, principally English and American but with 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. Prerequisite: ENG 102.

**ENG 354 Criticism (3)** Required for the English major. The major texts in criticism from the Greeks through the Moderns. Students will have an opportunity to individualize their study through projects applying critical theory to different art forms: literature, music, film, photography, painting, sculpture and theatre. Prerequisite: ENG 102 and six hours of literature.

**ENG 356 Epic and Tragedy: the Hero and the City (3)** Readings in classical Greek literature, examining the differences between the genres of epic and tragedy and the changes in philosophical, political and economic conditions which are reflected in the literature. Readings from Homer, Aeschylus, Sophocles and Euripides; selections from Plato and Aristotle concerning poetry and its role in society. Prerequisite: ENG 102.

**ENG 372 Modern Grammar (3)** Required for Teacher Education students certifying in English and recommended for students in Elementary Education. 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. Prerequisites: ENG 102 and junior standing.

**ENG 374 Mark Twain and the Mississippi River (3)** The history and folklore of the Mississippi River and its influence on the works of Missourian Mark Twain. Readings will include Missouri Folklore, *Life on the Mississippi*, *Huckleberry Finn*, and the *Autobiography of Mark Twain*. Prerequisite: ENG 102.

**ENG 375 Autobiography (3)** A study of selected international autobiographical literature. Prerequisite: ENG 102.

**ENG 379 Russian Authors (3)** An in-depth study of one or more major Russian authors: Dostoyevsky, Tolstoy, Chekhov, Solzhenitsyn, or others. The course may also be structured around a literary trend or political ideology, such as the Age of Realism or the Soviet Period. Prerequisite: ENG 102.

**ENG 432 Seminar: American Writers and the American Scene (3)** An advanced study of selected American writers within the context of the social and political period in which they lived. Prerequisite: ENG 102.

## ENGLISH AS A SECOND LANGUAGE

### Course Scheduling and Placement

All International students, regardless of their TOEFL scores, must undergo additional evaluation on campus to assure appropriate placement.

### Courses of Study

**ESL 301 Listening and Conversation Skills for Advanced ESL Students (3)** International students will learn and practice the skills needed to understand formal and informal spoken English. They will become more aware of how cultural differences may affect communication and they will become more confident in their abilities to communicate effectively with American English speakers in a variety of situations.

**ESL 302 Introduction to American Culture (3)** This course introduces international students to some of the basic aspects of American life and values, and how they have affected the development of business, politics, government, education, and the family in our society. In becoming more aware of the cultural values of the United States, students will increase their understanding of the values and heritage of their own countries. Reading and discussion skills, vocabulary, comprehension and writing will be stressed.

**ESL 303 Advanced English Workshop, American English (3)** Grammar, reading speed and comprehension, vocabulary building, and writing skills are emphasized. Students will develop their ability to analyze college-level readings and to take notes. They will practice writing a variety of short compositions.

## FOREIGN LANGUAGES

### Program Description

A major in French or Spanish is offered. Program requirements (24-36 hours) are as follows: at least 3 credit hours in conversation and composition, at least 3 credit hours in the culture and civilization of the country or countries where the language is spoken, and at least 18 hours in literature given in the foreign language. Consult department faculty regarding minors in foreign language.

### Courses of Study

#### French

**FLF 101 Elementary French I (3)** Oral inductive approach but with concurrent development of all four language skills: listening comprehension, speaking, reading, and writing. Offered: Fall 92.

**FLF 102 Elementary French II (3)** Oral inductive approach, but with concurrent development of all four language skills: listening comprehension, speaking, reading, and writing. Prerequisite: FLF 101. Offered: Spring 93.

**FLF 201 Intermediate French I (3)** Reading of modern French prose, review of syntax, and continued practice in oral expression. Further development of all four language skills. Prerequisite: FLF 102 or proficiency exam. Offered: Fall 92.

**FLF 202 Intermediate French II (3)** Reading of modern French prose, review of syntax, and continued practice in oral expression. Further development of all four language skills. Prerequisite: FLF 201. Offered: Spring 92.

**FLF 311, 312 French Conversation and Composition I, II (3)** (3) Systematic grammar review and vocabulary building with readings, oral reports, and written composition on topics of current interest. Prerequisite: FLF 202.

**FLF 337 History of French Civilization (3)** 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 contribution of France to the Western World. Prerequisite: FLF 202.

**FLF 351 Masterpieces of French Literature I (3)** Reading of selected works of prose, poetry and drama from the nineteenth century to the present. Prerequisite: FLF 311.

**FLF 352 Masterpieces of French Literature II (3)** Reading from selected works of prose, poetry, and drama from the Middle Ages through the eighteenth century. Prerequisite: FLF 311.

**FLF 370 Seminar on Selected Authors and Genres of French Literature (3)** 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. Prerequisite FLF 311.

#### German

**FLG 101 Elementary German I (3)** An introduction to the fundamentals of the language and a mastery of the basic principles with emphasis on speaking and reading comprehension. Offered: Fall 93.

**FLG 102 Elementary German II (3)** An introduction to the fundamentals of the language and a mastery of the basic principles with emphasis on speaking and reading comprehension. Prerequisite: FLG 101. Offered: Spring 94.

**FLG 201 Intermediate German I (3)** A review of grammar and a study of linguistic, phonetic, and syntactical problems through reading and discussion of modern German prose. Prerequisite: FLG 102. Offered as needed.

**FLG 202 Intermediate German II (3)** A review of grammar and study of linguistic, phonetic, and syntactical problems through reading and discussion of modern German prose. Prerequisite: FLG 201. Offered as needed.

**FLG 311, 312 German Conversation and Composition I, II (3)** (3) Further development in aural comprehension and oral expression through reading and analysis of cultural and literary materials. Exercise in syntax and elements of style. Techniques of group discussion, formal and informal oral and written presentation. Prerequisite: FLG 202.

#### Italian

**FLI 101 Elementary Italian I (3)** A beginning course taught by the audio-lingual method, while developing simultaneously the four language skills: listening, speaking, reading, and writing. Offered: Fall 92.

**FLI 102 Elementary Italian II (3)** A beginning course taught by the audio-lingual method, while developing simultaneously the four language skills: listening, speaking, reading, and writing. Prerequisite: FLI 101. Offered: Spring 93.

**FLI 201 Intermediate Italian I (3)** 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. Prerequisite: FLI 102. Offered as needed.

**FLI 202 Intermediate Italian II (3)** 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. Prerequisite: FLI 201. Offered as needed.

#### Russian

**FLR 101 Elementary Russian I (3)** A beginning course taught by the audio-lingual method in order to master the fundamentals of the language and to develop the four language skills: listening, speaking, reading and writing. Offered as needed.

**FLR 102 Elementary Russian II (3)** A beginning course taught by the audio-lingual method in order to master the fundamentals of the language and to develop the four language skills: listening, speaking, reading and writing. Prerequisite: FLR 101. Offered as needed.

**FLR 201 Intermediate Russian I (3)** This course reviews the grammatical structures of the Russian language. It is also designed to increase the student's vocabulary and fluency and writing ability through reading and analysis of short literary works and cultural selections. Prerequisite: FLR 102. Offered as needed.

**FLR 202 Intermediate Russian II (3)** This course reviews the grammatical structures of the Russian language. It is also designed to increase the student's vocabulary and fluency and writing ability through reading and analysis of short literary works and cultural selections. Prerequisite: FLR 201. Offered as needed.

#### Spanish

**FLS 101 Elementary Spanish I (3)** A 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. Offered Fall 92.

**FLS 102 Elementary Spanish II (3)** A 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. Prerequisite: FLS 101. Offered: Spring 93.

**FLS 201 Intermediate Spanish I (3)** 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 selection. Prerequisite: FLS 102. Offered: Fall 92.



**FLS 202 Intermediate Spanish II (3)** 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. Prerequisite: FLS 201. Offered: Spring 93.

**FLS 241 Spain: A Cultural Experience (May Term in Spain)** This course is designed to offer the student the opportunity to experience and learn first hand about the many aspects of Spanish life, history, culture and institutions. Numerous places of historical, cultural and social importance in Madrid, Toledo, Aranjuez, Segovia, Valley of the Fallen, Escorial, Avila, Salamanca, Zaragoza, Barcelona, Valencia, Granada, Malaga, Sevilla, Cordoba, etc. will be extensively visited and their significance will be intensively studied and discussed. Offered as needed.

**FLS 311, 312 Spanish Conversation and Composition I, II (3) (3)** Further development in aural comprehension and oral expression through reading and analysis of cultural and literary materials. Exercise in syntax and elements of style. Techniques of group discussion, formal and informal oral and written presentations. Prerequisite: FLS 202.

**FLS 335 Spanish Culture and Civilization (3)** A study of historical, cultural, and folkloric sources of the life and customs of the Spanish peoples. Emphasis on the social, economic and intellectual of Spain today. Prerequisite: FLS 202.

**FLS 336 Latin American Culture and Civilization (3)** A study of historical, cultural, and folkloric sources of the life and customs of the life and customs of the Latin American peoples. Emphasis on the social, economic and intellectual life of Latin America today. Prerequisite: FLS 202.

**FLS 370 Seminar on Selected Authors and Genres of Spanish and Spanish-American Literatures (3)** 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. Prerequisites: FLS 311.

## Geography

**GEO 201 World Regional Geography (3)** A study of the major areas of the world divided along political boundaries and levels of development. Some 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.

## HISTORY/POLITICAL SCIENCE

### Program Description

The major in history requires 30-42 hours of departmental coursework to include: 9 hours of American history, 9 hours of European history, HIS 100 and 105 or 106. Additionally, 6-12 hours of social science are to be taken, 6 hours of which are BA 210 and PS 155. A minor in history is also available. A Pre-Law Program Concentration\* is available; see below.

The political science degree requires 30-42 hours in Political Science and 6-9 hours in another social science discipline. The major must include two courses in Comparative Politics and two courses in Political Theory. Consult departmental faculty concerning requirements for a Political Science minor.

The major in Public Administration requires a minimum of 30 hours, including the following courses: PS 155, 206, 310, 320, 324, as well as BA 200 and MTH 141.

### Pre-Law

The faculty of Lindenwood College has assembled a core of courses, which, when taken in conjunction with many of the majors Lindenwood offers, will provide the foundation for any student who intends to enroll in law school. The recommended majors include History, Political Science, English (with an emphasis on writing), Communications, and Business.

These courses, when combined with the General Education requirements and the student's preferred major, should provide the analytical rigor and intellectual breadth necessary for the student to anticipate a successful law school career. For additional information contact the Dean of the Social Science Division.

### Core courses in Pre-Law:

CJ 310	Criminal Law
PS 155	American National Government
PS 206	American State & Local Government
PS 305	American Constitutional Law
PS 360	Civil Liberties
PS 310	Public Administration
HIS 105 or 106	American History
BA 360	Business Law I

### Courses of Study

#### History

**HIS 100 A History of the Human Community (3)** A study of the growth of traditional societies around the world and their recent transformation by the urban, industrial revolution. The first half-term focuses on the evolution of the major world civilizations and their differences and similarities. The second half-term deals with the impact of the urban and industrial revolutions on these civilizations and their reactions to the modern world. Offered each semester.

**HIS 105, 106 America: Colony to Civil War (3)** America: Civil War to World Power (3) A two semester survey of American history. The first semester begins its examination with the colonial origins of the United States and concludes with the Civil War. The second semester traces the development of the United States from reunification to its present status as a world power. Both semesters stress political, economic, and social foundations of American development. Offered: HIS 105 each fall; HIS 106 each spring.

**HIS 200 History of the Contemporary World I (3)** Focus on the post 1945 super-power rivalry along with decolonization and revolution in the Third World. Special emphasis on the Chinese Revolution, the Vietnamese Wars, the Cuban Revolution and the Arab-Israeli conflict. Offered each fall.

**HIS 201, 202 History of England (3) (3)** Development of the English state and society. The first semester examines the growth of the English state, and monarchy through the Civil War of the 17th. The second semester examines the growth of modern England since 1700, particularly dealing with urban, industrial change, and the impact of England on the world through commerce and empire.

**HIS 204 The Westward Movement (3)** A one-semester survey of the significance of the West in American national development. The course begins with the study of the colonial frontiers and concludes with the closing of the national frontier in the 1890's. Offered: Fall 93

**HIS 205, 206 History of Asia I, II (3) (3)** A two-semester survey course focusing on South, East, and Southeast Asia. The first semester explores the history of the Indian sub-continent and Southeast Asia from the earliest times to the present. The second semester focuses on the histories of China and Japan.

**HIS 208 Historical Research Skills (1)** Required of all history majors and should be taken as soon as the decision to major in history is taken. It will be combined with an existing history course being taken by the student. The instructor in that course will provide extra sessions using the existing course as the subject matter of the research and writing.

**HIS 209 The Nazi State (3)** An examination of Hitler and his Reich--the origins of National Socialism, the Nazi Revolution, and the social, cultural, and political changes that followed.

**HIS 211, 212 History of Russia I, II (3) (3)** Two-semester survey of Russian history from the 9th century to the present. The first semester examines early attempts to consolidate, culminating in the absolutism of Peter the Great and the development of Imperial Russia through Catherine the Great. The second semester begins with the reign of Alexander I and concentrates on the major political, economic, and diplomatic developments of the 19th century, the Revolution of 1917, and the growth of the Soviet State.



**HIS 214 The United States and Vietnam** (3) A history of the U.S. involvement in Vietnam beginning with an examination of the French colonial effort and ending with the U.S. withdrawal in 1975.

**HIS 223 The Ancient World** (3) The growth of the early civilizations of the Near East and the Mediterranean, and the Celtic and Germanic cultures in Europe, down to the 4th century.

**HIS 224 Europe in the Middle Ages** (3) Europe from the decline of Rome to the Renaissance. The course examines the interweaving of classical Christian and Germanic elements to form Western Civilization with all its characteristic cultural, economic and social forms, together with the interactions of the Christian West with the Islamic and Byzantine cultures.

**HIS 255 The South in American History** (3) Study of the colonial beginnings and expansion of southern life. Major themes are the growth of slavery, establishment of a staple agriculture, the "southern way of life," agrarian politics, relations with other sections, and industrial growth.

**HIS 310 The Era of the Civil War and Reconstruction** (3) An examination of the sectional conflict from the end of the Mexican War in 1848 to the end of Reconstruction in 1877. Political, military and social developments are emphasized including the long-range impact of the disruption of the Union. Prerequisite: HIS 105.

**HIS 314 American Economic History** (3) Economic life and institutions in the United States from colonial days. Economic growth, state and private authority in relation to economic activity, monetary and banking history, trade and commerce, industrial development, labor problems, transportation, land and agricultural policy. Prerequisite: one course in U.S. history or economics.

**HIS 315, 316 American Thought and Culture** (3) (3) A two-semester survey of the intellectual development of the United States from colony to present. The first semester considers the major themes of early America, their origins and how they were shaped by the new American environment. The second semester begins with the Civil War and analyzes the major religious, scientific and literary developments and their impact on American ideas and institutions. Prerequisite: HIS 105 or 106 or consent of instructor.

**HIS 320 Recent United States** (3) The development of the United States from the Great Depression of the 1930's to the present. The course examines the problems of world leadership, changing political alignments, shifting social patterns, emerging minorities and the concept of the welfare state. Prerequisite: HIS 106.

**HIS 325 Europe During the Renaissance and Reformation** (3) The transition period of Europe from Medieval to Modern times from 1300 to 1648. The course will explore the development of urban and national structures, the rise of large-scale capitalistic enterprise, changing social institutions, and the religious revolution of the 16th century. Prerequisite: HIS 100.

**HIS 330 European Intellectual History** (3) Using selections from representative thinkers, the 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.

**HIS 331 Classic Europe: The Old Regime** (3) Europe in the 17th and 18th centuries: the development of classic social, economic and religious institutions, the development of national monarchies, mercantilism and the Enlightenment. Prerequisite: HIS 100.

**HIS 332 French Revolution and Napoleon** (3) Europe in the age of the French Revolution and Napoleon, 1700-1815. The focus is on the causes and course of the French Revolution and the Napoleonic period, but the history of Europe outside France is also considered. Prerequisite: HIS 100.

**HIS 333 1815-1914** (3) Europe under the impact of social, industrial, urban and political change from 1815 to the First World War. Prerequisite: HIS 100.

**HIS 334 Twentieth-Century Europe** (3) European History from the beginning of World War I to the present. Topics will include: World War I, the changing economic and social patterns of the interwar years, including the rise of fascism, World War II, and the recovery of Europe into the 1980s.

**HIS 400 Historiography and Historical Method** (3) The capstone course taken by the history major, this course is designed to acquaint the student with the major schools and periods of the writing of history. It will also include an examination of historical forces and the theories of causation. The course is divided into three modules: The first two (History of History, and Components of History) may be spaced over the student's final two semesters. The third component is a comprehensive examination designed to explore the student's mastery of basic historical concepts. Each component may be scheduled at the convenience of the student during the senior year.

#### **Political Science**

**PS 155 American National Government** (3) A survey of the structures, principles, and decision-making processes of the institutions of American national government, with selected studies of particular policy areas. Offered each semester.

**PS 206 American State and Local Politics** (3) An examination of the sources, structures and expressions of political power at the sub-national level in the United States; the effectiveness of state and city governments as policy-making units; major problems posed by urban and suburban development; various approaches to studies of community political leadership. Offered each fall.

**PS 211, 212 Comparative Politics** (3) (3) Survey and analysis of selected European, Soviet and East European political systems. The first semester ordinarily examines the institutions, decision-making structures, and selected areas of policy implementation of Great Britain, France and West Germany. The second semester examines the Soviet Union and selected East European political systems.

**PS 221 Classical Political Theory** (3) Analysis of political philosophers and theorists from Plato to St. Thomas Aquinas and their effect upon Western political theory and thought. Offered: Fall 92.

**PS 222 Modern Political Theory** (3) Analysis of major political philosophers and theorists from the Renaissance to the 19th century. Survey includes Machiavelli, Luther, Hobbes, theorists of the English Civil War, Locke, Rousseau, Hegel and Mill. Offered: Spring 93.

**PS 240 Asian Politics** (3) A survey of the development of the modern Japanese and Chinese state. Emphasis is placed on the Twentieth Century development of both state systems; China since the 1911 and 1948 Revolutions to Post-Mao, and Japan from the end of the Meiji regime to present with emphasis on the post-1945 period.

**PS 255 International Political Economy** (3) An examination of the linkage between economics and politics in international affairs. Topics will include the Bretton Woods system, Third World Debt Crisis, multi-national corporations, and U.S. trade policy.

**PS 260 Federalism** (3) Topics will include comparative, fiscal, and constitutional federalism as well as examinations of the historical development of the concept of federalism. The course will employ a case study approach.

**PS 300 The American Presidency** (3) Analysis of the development of the institution, powers, and functions of the Presidency in the American political and electoral process. Prerequisite: PS 155 or consent of instructor.

**PS 305 American Constitutional Law** (3) The development of the American constitution through analysis of major Supreme Court cases. Prerequisite: PS 155 or consent of instructor.

**PS 310 Public Administration** (3) This course focuses on the study of the fundamentals of public administration. In addition, topics discussed will include federal government organization as well as the history of reorganization, personnel policies, budgetary politics, and aspects of public law.

**PS 320 Public Finance** (3) This course focuses on the development of federal, state, and local government financial policies since the end of the Second World War. In addition, topics discussed will include: taxes and tax reform, deficit spending, the role of the Federal Reserve Board, elections and the economy.



**PS 324 Public Policy** (3) This course focuses on the implementation and evaluation of public policy at the federal, state, and local levels. In addition, the different types of policy are studied. Case studies are used to illustrate policy making.

**PS 327 Urban Politics** (3) This course will focus on both historical as well as contemporary perspectives of urban affairs. Topics discussed will include: machine politics, the different types of city politics, urban growth and decline, urban planning, snowbelt vs. sunbelt cities, federal policies toward cities, and case studies of different cities.

**PS 330 Marxism** (3) An introduction to the political thought of Marx and a survey of Marxist-Leninist theory and selected post-World War II neo-Marxists. Prerequisite: consent of instructor.

**PS 335 Political Parties, Public Opinion and Voting Behavior** (3) This course focuses on the development of federal, state, and local government financial policies since the end of the Second World War. In addition, topics discussed will include: taxes and tax reform, deficit spending, the role of the Federal Reserve Board, elections and the economy.

**PS 360 Civil Liberties** (3) An examination of equal protection for U.S. citizens under the law. Topics to be investigated include criminal due process and First Amendment freedoms examined through case studies and decisions of the Supreme Court.

## International Studies

### Program Description

The International Studies program requires successful completion of the following courses: minimum of 12 hours in one Foreign Language, ANT 112, BA 212, 414, GEO 201, PS 250, REL 200, and INT 400 (senior tutorial). In addition, a minimum of 12 hours of approved electives in the social sciences and humanities is required.

## HUMAN SERVICE AGENCY MANAGEMENT PROGRAM

See Business Administration.

## MATHEMATICS & COMPUTER SCIENCE

### Program Description

The Bachelor of Arts degree is offered in Mathematics. The major requires the completion of 46 hours consisting of: MTH 171, 172, 303, 311, 315, 321, CSC 101, 102, PHY 301, 302, and an additional 9 hours of mathematics at the 300 level or above. A Pre-Engineering Program Concentration\* is available; see below.

A minor in Mathematics is also offered. The minor requires the completion of 29 hours consisting of: MTH 141, 171, 172, 303, 315, CSC 101, 102, and one mathematics elective numbered above 300.

A Bachelor of Science degree, a Bachelor of Arts degree and a minor are offered in Computer Science at Lindenwood.

The Bachelor of Science degree in Computer Science requires the completion of 58 hours consisting of: CSC 101, 102, 303, 304, 305, 406, 407, 408, and 410. Also required are MTH 141, 171, 172, 303, 315, 321, and PHY 301, 302.

The Bachelor of Arts degree in Computer Science requires the completion of 40 hours consisting of: CSC 101, 102, 303, 304, 305, 406, and two of CSC 407, 408, and 410. Also required are MTH 141, 171, 172, 321.

The minor in Computer Science requires the completion of 23 hours consisting of: CSC 101, 102, 303, 304, 305, and one of the following courses: CSC 406, 407, 408, or 410. Note: Also required are the appropriate prerequisite(s) of the one Computer Science course chosen. (20 hours)

Participation in the Computer Science Cooperative Education Program will require at most nine semester hours.

### Pre-Engineering Program

The pre-engineering program prepares students for professional engineering programs. In addition to course offerings in chemistry, computer science, mathematics and physics, courses in engineering mechanics, electrical networks, and electronics are offered. Articulation agreements may require some variation in requirements.

Courses required (43 hours) for completion of the pre-engineering program are:

- MTH 171, 172, 303 Calculus I (4), II (4), III (4)
- MTH 311 Differential Equations (3)
- MTH 361 Applied Engineering Mathematics (3)
- CSC 101, 102 Computer Science I (4), II (4)
- PHY 301, 302 Physics I (4), II (4) (Calculus based)
- EGR 261 Engineering Mechanics I - Statics (3)
- EGR 262 Engineering Mechanics II - Dynamics (3)
- EGR 361 Introduction to Electrical Networks (3)

### Courses of Study

#### Mathematics

**MTH 111 Concepts in Mathematics I** (3) An introduction to the basic language and concepts of mathematics for the non-major. Topics include sets, number systems, the real number system, mathematical systems, equations and inequalities. Offered each semester

**MTH 121 Introduction to Contemporary Mathematics** (3) An introductory course on how mathematics is used today. Topics from three of the following areas will generally be covered: Management Science, Statistics, Social Choice and Decision-making, Size and Shape, and Computing. Offered each semester.

**MTH 141 Basic Statistics** (3) An introduction to the theory and applications of statistics, including probability, descriptive statistics, random variables, expected values, distribution functions, and hypothesis testing. Offered each semester.

**MTH 151 College Algebra** (3) A first course in college algebra including the following topics; real and complex numbers, equations and inequalities, real relations and functions, the theory of equations, exponential and logarithm functions. Prerequisite: One year of high school algebra. Offered each semester.

**MTH 152 Trigonometry and Elementary Functions** (3) The basic elements of trigonometry and trigonometric functions will be studied, as a preparation for calculus. Prerequisite: MTH 151. Offered each spring.

**MTH 160 Calculus Survey** (3) The basic concepts of differential and integral calculus for the life, social and management sciences. Topics include the derivative, the integral, functions of several variables. Prerequisite: Three semesters of high school algebra.

**MTH 171, 172 Calculus I, II** (4) (4) A first study of real functions and some of their applications. Differentiation and integration are developed and used to study rational, algebraic, trigonometric, and exponential functions and their applications. Prerequisite: High School Algebra through Trigonometry or MTH 152.

**MTH/CSC 300 Problem Seminar** (1) This seminar is primarily intended for Mathematics and Computer Science majors. It will provide an opportunity for students to deal with larger problems arising in both of these disciplines. The problems studied will differ each time the seminar is offered. This seminar may be repeated. Prerequisites: MTH 172, CSC 102.

**MTH 303 Calculus III** (4) 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. Prerequisite: MTH 172.

**MTH 311 Differential Equations** (3) A first course in ordinary differential equations and some of their applications, including first order equations, linear differential equations, Laplace Transform, and series solutions. Prerequisites: MTH 172. Recommended: MTH 303.

**MTH 313 History of Mathematics** (3) A first course in the history of Mathematics, including the Classical, Medieval, Renaissance, Early Modern and Modern period. Spanning the time from 600 BC to the present. Prerequisite: MTH 171, 172, 303, 311.



**MTH 315, 316 Linear Algebra I, II (3) (3)** A 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, bilinear mappings and forms, diagonalisation. Prerequisite: MTH 172.

**MTH 320 (3) Algebraic Structures (3)** A first course in the main structures of abstract algebra. Groups, rings and fields will be studied together with applications to geometry, and number theory. Prerequisite: MTH 315.

**MTH 321 Discrete Mathematics (3)** This course uses set theory and the tools of logic to study discrete (rather than continuous) mathematics. Included will be such topics as basic set theory, functions and relations, mathematical induction and recursion, combinatorics, graphs and algorithms, propositional calculus and boolean algebra, mathematical models for computing machines, and finite difference equations. Prerequisite: CSC 102.

**MTH 330 Geometry (3)** A careful review of euclidean geometry of the plane and space, and an introduction to non-euclidean geometry. Prerequisites: MTH 303, 315.

**MTH 341, 342 Probability and Mathematical Statistics I, II (3) (3)** A calculus-based sequence on these subjects, including the following topics: combinatorics, probability spaces, conditional distribution functions, the central limit theorem, hypothesis testing, and regression analysis. Prerequisites: MTH 172, 303.

**MTH 351 Numerical Analysis (3)** A first course in numerical methods, including the solution of linear and non-linear equations, numerical integration and differentiation, the theory of approximation, and the solution of differential equations. Prerequisites: MTH 111, 315.

**MTH 361 Applied Engineering Mathematics (4)** Course will include the Laplace transform and applications; series solutions of differential equations, Bessel's equation, Legendre's equation, special functions; matrices, eigenvalues and eigenfunctions; vector analysis and applications; Fourier series and Fourier integrals; solution of partial differential equations of mathematical physics. Prerequisite: MTH 311 or equivalent.

### **Computer Science Cooperative Education Program**

The Computer Science Program offers a Cooperative Education Program 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 receive professional work experience in Computer Science while pursuing an academic degree. A benefit is that the student receives greater motivation in learning and clarity of focus in career choice. The program diligently works to integrate the student's work experience with studies and career goals. The Cooperative Education Program is a partnership between the student, Lindenwood

College, and the employer. Participation in the program greatly increases a student's opportunities for employment after graduation.

The interested student is required to complete an application form within a given time-frame and attend appropriate interviews as set by the program. To be accepted by the program, the student must complete the freshman year, have a minimum 2.8 grade point average, currently have a good-standing status at the college, and receive the recommendation of the Computer Science faculty.

Generally, each student will participate in a minimum of two work periods. Each work period can be alternating or parallel. In the alternating program, the student works full-time for each period. Here, each period lasts one semester and alternates with academic semesters on campus. Participating in the alternating program will often extend a student's stay at Lindenwood by about a year. In the parallel program, for each work period, a student works 15 to 20 hours a week and takes a full academic load. At the end of each work period, employer and student evaluations are completed and placed in the student's Cooperative Education file. This file along with the student's academic record, indicating participation in the program, provides recognition for the student.

When a student is accepted by the Cooperative Education Program and paired with an appropriate employer, the student must formally register through the college for each work period. For that period, the student will register for three semester hours in CSC 451, CSC 452, or CSC 453, depending on which period the student is participating in. The student participating in an alternating work period must register for three semester hours in the Cooperative Education Program and must take an additional three semester hours. The student participating in a parallel work period must register for three semester hours in the Cooperative Education Program and take at least an additional nine semester hours. During a Cooperative Education period, a student will have all privileges of a regular student. The student will be allowed to live in the dormitory, paying dormitory expenses and activity fees.

### **Computer Science**

**CSC 101 Computer Science I (4)** This course introduces the fundamental concepts of Computer Science. The basic concepts of algorithm and data structures, programming languages, software methodology, and software engineering principles are introduced. This includes such topics as basic data structures and types, text and non-text files, sequence control, iteration, problem-solving concepts and strategies, functions and procedures, scope of identifiers, space-time tradeoffs, static allocation, software requirements, software design, and the software development process. The software high-level programming language Pascal is taught and is used to illustrate these concepts. Emphasis will be on professionalism, clear communication, and good software documentation. A software documentation standard will be introduced and followed.

**CSC 102 Computer Science II (4)** This course continues the analysis of algorithms and data structures, programming language concepts, software methodology, and software engineering principles introduced in CSC 101 Computer Science I. The course introduces topics such as abstract data types,

structured data types (i.e., arrays records, variant records, sets), recursive algorithms, sorting and searching, algorithm complexity, stack-based allocation and its relation to recursion, dynamic storage allocation (i.e., heap-based allocation), stacks, lists, and trees. Increased emphasis will be put on fundamental problem-solving concepts, the software development process, software specifications, design and implementation, verification, and validation. The programming language used to illustrate these concepts will be Pascal. Emphasis will be on professionalism, clear communication, group design experience, quality software, and good software documentation. Prerequisite: CSC 101.

**CSC 220 UNIX Workshop (1)** A workshop in the fundamentals of the UNIX TM operating system. The course will cover the basics of using UNIX for program development and text processing, the UNIX file system, UNIX commands, the Bourne and C shells, the vi screen editor, and awk, nroff, tbl, and a brief introduction to C programming. Prerequisite: CSC 102.

**CSC 221 Language Workshop (3)** A workshop in one of several programming languages available, and in programming in the UNIX development environment. Topics include the structure of programs, control structures, functions, data types, string operations, and special topics appropriate to the language being studied. Students write several programs in the selected language during the course of the workshop. Each workshop will feature a different language and the course may be repeated for credit. Languages taught include C, Scheme, and Fortran 77. Prerequisite: CSC 102.

**CSC/MTH 300 Problem Seminar (1)** This seminar is primarily intended for mathematics and computer science majors. It will provide an opportunity for students to deal with larger problems arising in both of these disciplines. The problems studied will differ each time the seminar is offered. This seminar may be repeated. Prerequisites: MTH 172, CSC 102.

**CSC 303 Computer Systems (3)** This is the first course in computer architecture presented through the vehicle of assembly language programming. The main focus of study is the relation between higher level languages, like Pascal and the conventional machine language level. The course includes topics in computer organization and structure, machine language, computer arithmetic, assembly language, addressing techniques, program segmentation and linkage, and the assembly and linking process. Prerequisite: CSC 102.

**CSC 304 Computer Architecture (3)** This course provides a detailed examination of computer architecture. Topics include digital logic level, microprogramming level, the conventional machine level, the assembly language level, the operating system level of CISC machines, and a brief introduction to alternative architectures. The emphasis is on the digital logic and microprogramming levels of CISC machines. Microprocessor architectures studied include the Intel 80x86 and Motorola 680x0. Prerequisite: CSC 303.





**CSC 305 Principles of Database Systems (3)** This course is designed to give you 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 particular attention will be paid to application of database systems, conceptual modeling, the relational data model, and relational algebra. The INGRES relational database management system using SQL, in the UNIX environment, is primarily used for laboratory work. Prerequisites: CSC 102.

**CSC 311 Artificial Intelligence (3)** This course presents an introduction to the ideas of artificial intelligence and the LISP programming language. Topics covered include history of automata, the mind-body problem, knowledge representation, pattern matching, goal reduction, constraint exploitation, depth-first and breadth-first search, problem solving, expert systems, and logic programming. Prerequisites: CSC 102.

**CSC 406 Operating Systems (3)** This course covers the theory and practice of modern operating system design. Topics include processor scheduling and management, memory management techniques, file systems, virtual memory, I/O and secondary storage scheduling, deadlocks, and concurrency. Prerequisites: CSC 304, MTH 141.

**CSC 407 Data Structures and Algorithms (3)** This course is devoted to advanced algorithms, this course continues and deepens the study of data structures and algorithms begun in CSC 102 Computer Science II. Data structures such as the following are included: stacks, queues, linked lists, trees, graphs, hashing, advanced tree structures, and file structures. Various representations of data structures will be reviewed. Algorithm design methods will be discussed and algorithms such as those to perform internal sorting and searching will be developed. Heap-based allocation is stressed. Performance analysis and measurement, focusing on time and space requirements for algorithms are derived and complexity theory is extended. Complexity classes will be discussed. Prerequisites: CSC 102, MTH 321.

**CSC 408 Organization of Programming Languages (3)** This course introduces tools for critically evaluating existing and future languages and language constructs. Topics include language evaluation criteria, syntactic and semantic definition languages, imperative programming language concepts, syntax and semantics, data types, control structures, subprograms, data abstraction, functional languages, logic languages, object-oriented programming languages, and concepts supporting lexical analysis and parsing. Prerequisites: CSC 102, MTH 321.

**CSC 409 Topics in Computer Science (3)** This course will vary from year to year depending on the interests of the students and the instructor. The course has a seminar format and is open only to students who have already completed the courses required for the Computer Science major. Course topics include Computer Networks, Software Engineering, Human Factors in Software Design, Computers and Society, Complexity Theory, and Computer Graphics. The

course may be repeated for credit. Prerequisite: Completion of the Computer Science major.

**CSC 410 The Structure and Interpretation of Computer Programs (3)** A course in programming, which uses Scheme as a language to address the fundamental issues of computer science: such as managing the complexity of large systems, building abstractions, establishing conventional interfaces, and establishing new descriptive languages. This course will use several important paradigms including functional, imperative, and object-oriented. Prerequisite: MTH 321 and CSC 101, 102.

**CSC 451, 452, 453 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. Prerequisite: Acceptance into the Lindenwood Computer Science Cooperative Education Program.

### Pre-Engineering

**EGR 261 Engineering Mechanics I - Statics (3)** Course will include statics of particles and rigid bodies, equivalent systems of forces, distributed forces, centroids, application to trusses, frames, machine beams and cables, friction, moments of inertia and principles of virtual work and applications. Prerequisite: PHY 301, MTH 172.

**EGR 262 Engineering Mechanics II - Dynamics (3)** Course will review vector algebra and calculus. It will introduce kinematics of a particle, Newton's laws and kinetics of a particle, work and energy, impulse and momentum, kinematics of rigid bodies, general theorems for systems of particles kinetics of rigid bodies and the inertia tensor. Prerequisite: MTH 261, PHY 302, MTH 311.

**EGR 361 Introduction to Electric Networks (3)** Studies will include elements, sources and interconnects, Ohm's law, Kirchoff's law, superposition and Thevin's theorem, the resistive circuit, transient analysis, sinusoidal analysis and frequency response. Prerequisite: PHY 302, MTH 311.

**EGR 362 Introduction to Digital and Linear Electronics (3)** Introduction to contemporary electronic devices and their circuit applications. Incremental and D-C models of active circuit components are used to design single and multistage amplifiers. Models of BJT, diodes and field effect devices are used to design digital circuits. Prerequisite: EGR 361.

## MUSIC

### Program Description

The major in music performance (55-58 hours) requires: MUS 131, 132, 133, 134, 165, 231, 232, 233, 234, 355, 356, 357, 390 and 490; 16 hours from MUS 104, 204, 304, and 404; 8 hours from MUS 109, 110 and/or 112; and 3-6 hours of electives in music. All majors must pass a piano proficiency exam.

Those interested in a music minor should contact department faculty.

### Courses of Study

**MUS 100 Fundamentals of Music (3)** A general survey of music reading, instrumental performance and music theory. The course is designed for students with little or no previous musical experience. (This course does not apply toward degree credit for the music major.) Offered each semester.

**MUS 104, 204, 304, 404 (1-2) Private Lessons.** Lessons are typically available in voice and nearly all standard orchestral instruments and some non-standard ones. Students should inquire at the Department office for current offerings. Prerequisite: Permission of music faculty.

**MUS 105 Instrumental Techniques: String (1)** The teaching of violin, viola, cello, and bass in the classroom. Offered: Fall 93.

**MUS 106 Instrumental Techniques: Woodwinds (1)** The teaching of the clarinet, flute, oboe, saxophone, and bassoon in the classroom. Offered: Fall 92.

**MUS 107 Instrumental Techniques: Brass (1)** The teaching of the trumpet, trombone, and horn in the classroom. Offered: Spring 93.

**MUS 108 Instrumental Techniques: Percussion (1)** The teaching of percussion instruments in the classroom. Offered: Spring 94.

**MUS 109 The Lindenwood Band (1)** This large instrumental ensemble will be a multifaceted organization, serving as the College Symphonic Band and the College Pep Band. Jazz ensembles may be formed with selected members of the core ensemble. Musical literature will include concert band, popular, Broadway and seasonal repertoire. Prerequisite: permission of instructor. May be repeated for credit. Instrumental music majors will be required to perform in the band. Offered each semester.

**MUS 110 Choral Ensemble (1)** Open to all students with permission of instructor. Offered each semester.

**MUS 112 Instrumental Music Ensembles (1)** Open to all students by audition. Offered each semester.

**MUS 114 Class Piano I (2)** A course for the student with little or no musical background who wishes to learn the basic principles and concepts of reading and playing music.

**MUS 115 Class Piano II (2)** Continuation of Class Piano I. Prerequisite: MUS 114 or consent of instructor.

**MUS 131, 132 Music Theory I, II (3)** (3) Develop skills of harmony, sight singing, and ear training. Includes lab. Prerequisite: Passing music proficiency exam. Offered: (MUS 131) each fall; (MUS 132) each spring.

**MUS 133, 134 Aural Training I, II (1)** (1) Part of a 4-semester sequence, this course develops tonal memory and sight-singing skills needed for the music major. It will be a practicum for developing harmonic/melodic dictation and sight singing techniques. Course content corresponds with materials presented in the Music Theory course. Prerequisite (for non-major/minors): permission of instructor. Offered: (MUS 133) each fall; (MUS 134) each spring.

**MUS 140 Voice Class (2)** Basic principles and techniques of voice production including breathing, phonation, resonance, and diction. Members of the class will perform vocal exercises, solo song repertoire, and small ensemble pieces (duets, trios, quartets, etc.) and study fundamentals of music notation in a manner designed to improve and develop their sight-reading skills and musicianship. Offered each semester.

**MUS 165 Introduction to Music Literature (3)** This course is designed to introduce students to major forms, masterworks, and composers of Western art music. The approach will be by genre (i.e. symphony, opera, concerto, etc.) with specific attention to the major works in each rather than a chronological survey, and although a certain amount of elementary stylistic and formal analysis will be involved, the emphasis will be on listening skills. The one-semester course will help to prepare them for more advanced work in Form and Analysis and Music History classes. Offered each semester.

**MUS 200 Piano Pedagogy (3)** A course designed for the student interested in maintaining a private studio. Study of pedagogical techniques, graded literature and materials, and other problems related to the teaching of private lessons in piano. Offered as needed.

**MUS 204 Private Lessons (1-2)** Prerequisite: MUS 104 and permission of music faculty.

**MUS 231, 232 Advanced Music Theory I, II (3)** (3) With lab. Principles of musical composition, approached from the basis of both theoretical and historical development. Further work in harmony, sight-singing, and ear training. Prerequisites: MUS 131, 132. Offered: (MUS 231) each fall; (MUS 232) each spring.

**MUS 233, 234 Advanced Aural Training III, IV (1)** (1) Part of a 4-semester sequence, this course continues the development of tonal memory and sight-singing skills needed for the music major. It is a practicum for developing harmonic/melodic dictation and sight singing techniques. Course content corresponds with material presented in the Music Theory classes. Prerequisite: (for non-majors/minors) permission of instructor. Offered: (MUS 233) each fall; (MUS 234) each spring.

**MUS 240 Musical Theatre: Singing (2)** A course in the foundations of theatrical singing including auditioning and performing musical selections. Offered as needed.

**MUS 260 The History of Jazz (3)** A study of jazz from its early folk song origins in the 19th century, through the forties, to the free jazz of Ornette Coleman, John Coltrane, and Miles Davis. Recordings are used to help the student hear stylistic differences and the musical developments which grew out of this art form. No previous musical experience is required.

**MUS 304 Private Lessons (1-2)** Prerequisite: MUS 204 and permission of music faculty.

**MUS 320 Applied Music Literature (3)** A study of applied music literature through performances and extended listening to the applied area of concentration. Standard works chosen from the concert repertoire receive an analytical and stylistic study. Prerequisites: MUS 232, 234 and consent of the instructor.

**MUS 350 Form and Analysis (3)** Advanced studies in form, dealing primarily with complex unusual structures not encountered in previous theory studies.

**MUS 355 History of Music I (3)** Traces the development of music in the culture of the Western World from 1000 B.C. to approximately 1750 A.D. Prerequisite: MUS 165.

**MUS 356 History of Music II (3)** Follows the development of music in the culture of the Western World from 1750 A.D. to the modern era. Prerequisite: MUS 165.

**MUS 357 History of Music III (3)** An in-depth study of Romantic and twentieth-century music. Prerequisite: MUS 165.

**MUS 360 Orchestration/Arranging (3)** A study of the instruments of the modern symphony orchestra, their respective characteristics, and their uses in orchestration. Arrangements are made for string, woodwind, and brass combinations, and scoring is done for full orchestra. Prerequisite: MUS 231.

**MUS 383 Introduction to Conducting (2)** Score reading, conducting techniques, rehearsal procedures, organizational procedures.

**MUS 384 Conducting Studio (2)** A study of advanced choral techniques effective for conducting and managing a large choral group. Basic principles of correct vocal production are stressed. Prerequisite: MUS 383.

**MUS 390 Junior Recital (0-1)** The student will perform a formal recital representing a culmination of applied studies from the degree program. A faculty committee will be appointed to approve or disapprove the recital performance.

**MUS 404 Private Lessons (1-2)** Prerequisite: MUS 304 and permission of the music faculty.

**MUS 411 Counterpoint (3)** A course designed to give the student an appreciation of contrapuntal music of the Baroque period. The study will include analysis of the standard contrapuntal literature of the Baroque and written exercises involving techniques of the period. Students will be writing: inventions, canons and fugues. Prerequisites: MUS 232 and 234.

**MUS 490 Senior Recital (0-1)** The student will perform a formal recital representing a culmination of applied studies from the degree program. A faculty committee will be appointed to approve or disapprove the recital performance.

## NATURAL SCIENCES

### Program Description

Natural Science courses are offered as interdisciplinary courses in the Natural Science and Mathematics Division. No major is offered.

### Courses of Study

**SCI 210 Scientific Terminology (2)** A course designed for students in pre-medicine, pre-dentistry, nursing, and the allied scientific fields to give a command of scientific vocabulary through the study of prefixes, suffixes, and root words derived from Latin and Greek.

**SCI 212 History of Science (3)** Science viewed as a series of peaceful interludes punctuated by intellectually violent revolutions—in which one conceptual world view is replaced by another.

**SCI 214 Ethical and Moral Problems in Science and Medicine (3)** A brief consideration of some of the ethical and moral problems in science and medicine. Advances in science and medicine have posed many problems that call for a solution if life and the universe as we know it are to survive. It shall be the task of this course to attempt to address at least some of the following topics: the care of the earth, research and human experimentation, genetic engineering, death and dying, and allocation of scarce resources.

## PERFORMING ARTS

### Program Description

An interdisciplinary major is offered through the programs in Music, Dance and Theatre. The major (45-48 hours) requires: MUS 100, TA 101, 140, 206, 271, 272, and 350; 3 hours from MUS 110, 112, and/or 140; 6 hours from MUS 104, 204, 304, 404; 6 hours from TA 301, 302, 401 and 402; 6 hours from TA 105, 141, 205, 240, 241, 340, and 440; and 3-6 hours from TA 100, 102, 403, 404 and 405. The minor in performing arts (24 hours) requires: TA 101, 206, 271, 272, 3 hours of electives in music or dance courses and 9 hours in a speciality.

Course descriptions may be found under the Music and Theatre course listings.

# PHILOSOPHY & RELIGION

## Program Description

Courses in Philosophy and Religion are offered in the Social Sciences Division. No major is offered in either subject.

## Courses of Study

### Philosophy

**PHL 100 Introduction to Philosophy (3)** This course is designed to introduce the student to the activity of philosophy by studying the ways in which a number of important philosophical schools have attempted to deal with such major concerns as proof of the existence of God, the challenges of science and materialism to free will, the basis for human knowledge, and the justification of moral beliefs.

**PHL 211 Ancient/Medieval Philosophy (3)** This course investigates the key ideas of the major philosophers from 600 B.C. to 1400 A.D. 13th century, including the pre-Socrates, Socrates, Plato, Aristotle, Augustine, Anselm, and Aquinas. Special emphasis is placed on Aristotelian metaphysics, classical proofs for the existence of God, nature of knowledge and the relation between philosophy and Christianity. Only original sources are used.

**PHL 212 Modern Philosophy (3)** 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 on the works of Descartes, Locke, Hobbes, Hume, Rousseau and Kant. Only original sources are used.

**PHL 213 Contemporary Philosophy (3)** A study of the major philosophical movements of the 19th and 20th centuries, including existentialism, philosophy of science and language, pragmatism, and social and political philosophy. Emphasis on the works of Hayek, Nietzsche, Sartre, Russell, Wittgenstein, Austin, James, and Marx. Only original sources are used.

**PHL 214 Ethics (3)** This course provides students with a general understanding of the development and status of ethics as a theoretical discipline and of its relation to social and political philosophy. It includes an investigation of the ethical theories of Aristotle, Kant, Rawls, utilitarians, rights theorists, and contractarians. Issues of virtues and rights are examined in detail. Only original sources are used.

**PHL 215 Logic (3)** This course provides students with the information and tools for developing skills in constructing and analyzing arguments. The course presents the basic principles of Aristotelian and contemporary truth functional logic. It treats logical fallacies, categorical syllogism, the square of opposition, Venn diagrams, propositional logic, truth tables, natural deduction, and induction.

**PHL 216 Philosophy of Business and Economics (3)** This course investigates the philosophy of business and economics as developed in the works of Aristotle, Aquinas, Adam Smith, Karl Marx, Ludwig von Mises, welfare economists, and contemporary market theorists.

**PHL 260 Philosophy of Law (3)** An examination of the major positions taken with respect to issues in the Philosophy of Law. Some of the questions which the philosophy of law attempts to answer are: What is a legal system? Do we have a moral obligation to obey the law and if so, why? What, if anything, justifies punishing violators of the law? Should morality be legislated?

### Religion

**REL 100 Introduction to Religion (3)** An introduction to the academic study of religion, this course is not intended to convince student of the truth (or falsehood) of any particular religious beliefs, but rather to develop an understanding of the religious aspect of being human. Topics may include: the question What is religion?; brief looks at particular religions such as Hinduism, Islam, and the Biblical faiths; religion and ethics; religion and Western culture; and a theological topic such as the problem of evil.

**REL 200 World Religions (3)** A course aiming to familiarize the student with the great religious systems of the world. Specific attention is given to Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, Islam.

**REL 202 Religion in America (3)** 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.

**REL 210 Old Testament (3)** A basic introduction to the literature and theology of the Old Testament.

**REL 211 New Testament (3)** 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.

**REL 220 Introduction to Christian Doctrine (3)** An introduction to the great foundational teachings of the Christian faith (the Trinity, Creation, the doctrine of humanity, the Person and Work of Christ, the Church, justification, the future hope, etc.). Attention will be given both to the history of the development of doctrine from the close of the New Testament period onward and to some suggestions by contemporary theologians as to the meaning of these teachings today.

**REL 300 Religion, Science, and Faith (3)** 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.

# PHYSICAL EDUCATION

## Program Description

A major in Physical Education includes the following courses: PE 150, 205, 210, 211, 300, 305, 310, 315, 320, 331, 332, 333, and 349. Students may enroll for up to four (4) semester hours of physical education team or activity courses in the process of completing their baccalaureate degrees.

## Coaching Emphasis

This program is offered to help students excel in coaching. The minimum requirement for public school coaches in Missouri is a Missouri Teaching Certificate. The Coaching Emphasis is a Lindenwood program. Requirements include:

1. Activity credit in the sport to be coached, 1 semester hour.
2. PE 300 Medical Aspects of Physical Education (3)
3. Theory and Methods of Coaching Football, Basketball, Softball, Baseball, Track and Field, Volleyball, Soccer and Weight Training (2) Junior standing required.
4. PE 320 Socio-Psychological Aspects of Physical Education (2)
5. A 60 clock hour practicum in the sport, 2 semester hours.

## Athletic Trainer Certification

The National Athletic Trainers Association offers certification to qualified applicants. The candidate must take an examination that measures specific competencies in athletic training. To take the certification, the candidate must meet designated core requirements as follows:

At the time of application, each intern candidate must present documentation of attaining at least 1500 hours of athletic training experience under direct supervision of an NATA certified athletic trainer. These hours must have been attained over a period of two (2) years and not more than five (5) years. Of these 1500 hours, 1000 hours must be attained in a traditional athletic training setting at the interscholastic, intercollegiate, or professional sports level. The additional 500 hours may be attained from acceptable related areas under the direct supervision of a NATA certified athletic trainer. Each candidate must present, via official transcript, proof of completion of formal "coursework" of at least one course in each of the following areas: PE 200 Personal Health, Anatomy and Physiology; PE 310 Kinesiology Foundations of Physical Education; PE 315 Physiologic Education and Motor



Development Foundations of Physical Education; PE 300 Medical Aspects of Secondary Physical Education (Basic Athletic Training); and PE 301 Advanced Athletic Training.

Prospective candidates who wish an interpretation of eligibility for certification candidacy, as well as examination time and sites, should contact the NATA national office.

A person who is once certified remains so as long as he or she meets the minimum requirements for continuing education as defined by the Continuing Education Committee.

### Courses of Study

PE 100 Rec Sport Act I (1) Every semester.  
 PE 101 Team Football (1) Each fall.  
 PE 102 Team Soccer (1) Each fall.  
 PE 103 Team Baseball (1) Each spring.  
 PE 104 Team Track & Field (1) Each spring.  
 PE 105 Team Cross Country (1) Each fall.  
 PE 106 Team Basketball (1) Each spring.  
 PE 107 Team Volleyball (1) Each fall.  
 PE 108 Team Softball (1) Each spring.  
 PE 109 Team Tennis (1) Each fall.  
 PE 110 Team Wrestling (1) Each spring.  
 PE 119 Water Aerobics (1) Every semester.  
 PE 121 Beginning Weight Training (1) Every semester.  
 PE 122 Lap Swimming (1) Every semester.  
 PE 123 Senior Lifesaving Certificate (1) Every semester.  
 PE 124 Aerobic Dancing (1) Every semester.  
 PE 125 Cheerleading (1) Every semester.  
 PE 126 Flag Football (1) Every semester.  
 PE 127 Fun Run (1) Every semester.  
 PE 128 Bowling (1) Each fall.  
 PE 129 Lifetime Fitness (1) Each fall.  
 PE 130 Advanced Weight Training (1) Every semester.  
 PE 131 Beginning Tennis (1) Each fall.  
 PE 132 Recreational Basketball (1) Every semester.  
 PE 133 Recreational Soccer (1) Every semester.  
 PE 134 Recreational Swimming (1) Every semester.  
 PE 135 Ultimate Frisbee (1) Each spring.  
 PE 136 Intermediate Tennis (1) Each spring.  
 PE 137 Cheerleading II (1) Every semester.  
 PE 138 Badminton (1) Every semester.  
 PE 141 Rec Sport Act I (1) Every semester.  
 PE 142 Plyometrics (1) Every semester.  
 PE 143 Archery (1) Every semester.  
 PE 144 Fitness Trail (1) Each fall.  
 PE 145 Frisbee Golf (1) Each fall.  
 PE 147 Golf (1) Every semester.  
 PE 148 Racquetball (1) Every semester.  
 PE 149 Pickleball (1) Every semester.

PE 150 Historic & Philosophic Foundations of Physical Education (3) This is an introductory study of health and physical education. It is intended to help interested students decide if they wish to major in physical education. The history of physical education will be examined along with the goal of guiding students in the discovery of themselves, which is essential in this philosophic process. Offered: Each fall.

PE 200 Personal Health, Anatomy, and Physiology (3) This course is designed to complete the standard course of the American Red Cross in First Aid, along with covering health factors that contribute to development and maintenance of health for living in the contemporary automated society. Offered: Each fall.

PE 205 Theory & Methods of Elementary Physical Education (3) This course applies the tenets of human growth and development, motor learning, the physiology of exercise, and self concept and personality development to the physical education of primary and intermediate elementary students. Prerequisite: A course in Human Growth and Development. Offered: Each spring.

PE 210 Pre and Primary School Physical Education Skills (2) A study of the techniques for planning, teaching, and evaluating the development of motor skills, game skills, gymnastic and tumbling activities, posture and body mechanics, rhythms, relays, games of low organization and body awareness for pre and primary school children. Offered: Each spring.

PE 211 Intermediate School Physical Education Skills (3) A study of the techniques for instruction in motor skills, basic game skills, gymnastic and tumbling activities, posture and body mechanics, rhythms, relays, games of low organization, and body awareness for intermediate school children. Offered: Each spring.

PE 250 Nutrition (2) This course includes a study of diet as related to exercise, motivation, nutrition, health, vigor, benefits to the heart, and fat versus muscle. Offered each fall.

PE 290 Athletic Training Practicum (1-5) A supervised clinical experience in Athletic Training. Students administer to varsity athletes under the supervision of a NATA certified athletic trainer. (For Athletic Trainer Interns). 150 clock hours of on-the-job duty per semester hour. Offered each semester.

PE 300 Medical Aspects of Secondary Physical Education (Basic Athletic Training) (3) This course is designed to provide basic knowledge related to the prevention, care and rehabilitation of injuries. Prerequisite: Anatomy and Physiology.

PE 301 Advanced Athletic Training (3) A continuation of PE 300 with emphasis on injury evaluations and initiation of rehabilitation programs to specific injuries of the upper and lower extremities. Prerequisite: PE 300 Medical Aspects of Secondary Physical Education.

PE 305 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 their strengths and weaknesses will be considered. Prerequisites: Algebra and Statistics.

PE 310 Kinesiology Foundations of Physical Education (3) The student 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. Prerequisites: Anatomy and Physiology, 8 semester hours, College Algebra and Statistics.

PE 315 Physiologic Education & Motor Development-Foundations of Physical Education (4) The completion of this course will provide an adequate understanding of the physiological responses to exercise. Such understanding will provide the student with a means to (a) analyze exercise and sports; (b) assess individual responses to sports and exercise; (c) evaluate claims against various forms of exercise; (d) plan programs for the optimal enhancement of human well-being; and (e) communicate program concepts to the necessary publics. Prerequisites: Anatomy and Physiology, 8 semester hours, College Algebra, and Chemistry.

PE 320 Socio-Psychological Aspects of Physical Education (3) 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. Prerequisites: Psychology and Sociology.

PE 331 Analysis and Teaching of Team Sports (2) This course includes the study of skills 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.

PE 332 Analysis and Teaching of Lifetime Sports (2) This course includes the study of skill analysis and techniques of teaching lifetime 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.

PE 333 Analysis and Teaching of Aquatic, Gymnastics, and Dance (2) This course includes the study of skill analysis and techniques of teaching aquatics, gymnastics, and dance. 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.

**PE 349 Organization and Administration of Health and Physical Education** (3) This course prepares the student to plan and supervise health and physical education programs, to attain desired objectives by learning and applying appropriate knowledge and skills. Prerequisite: Junior standing.

**PE 350 Theory & Methods of Coaching Football** (2) This course helps prepare students to coach the game of football. Emphasis will be placed on offensive and defensive theory, the kicking game, scouting, and the components of a successful football program. Prerequisite: Junior standing.

**PE 351 Theory & Methods of Coaching Basketball** (2) 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 contests. Prerequisite: Junior standing.

**PE 352 Theory & Methods of Coaching Softball and Baseball** (2) This course includes the study of the game of baseball including the rules, important technology, conditioning the players, the fundamentals of offensive play, the fundamentals of defensive play, the promotion of teamwork, an array of practice techniques, the use of teamwork in successful play, and game coaching. Prerequisite: Junior standing.

**PE 353 Theory & Methods of Coaching Track & Field** (2) This course includes the study of track and field theories, events, history, and outstanding coaches. The student will be prepared to coach track and field events. Prerequisite: Junior status.

**PE 354 Theory & Methods of Coaching Volleyball** (2) The course includes the study of knowledge, skills, and techniques necessary for coaching volleyball. It includes learning how the skills are performed and participating therein. Practical experience in teaching volleyball is included. Prerequisite: Junior standing.

**PE 355 Theory & Methods of Coaching Soccer** (2) This course is a study of coaching soccer. Emphasis will be placed on specific conditioning for soccer, the technical skills of the game, teamwork, offenses, defenses, the psychology of soccer play, and the game behavior of the coach. Prerequisite: Junior standing.

**PE 356 Theory & Methods of Coaching Weight Training** (2) This course is designed to prepare students to teach and supervise weight training programs in athletic, recreational, and physical education class environment. Prerequisite: Junior standing.

**PE 400 Adapted Physical Education** (3) The intended outcome of this course is to produce an individual who is not only capable of teaching students with various disabilities who are integrated into regular physical education classes, but also the more disabled students requiring a special physical education program. Prerequisites: Kinesiology, Physiology of Exercise.

## PHYSICS

### Program Description

Courses in Physics are offered in the Division of Natural Science and Mathematics. No major is offered.

### Courses of Study

**PHY 100 Concepts in Physics** (4) A course for non-science majors which focuses on three areas of physics: mechanics and energy, electricity and magnetism, atomic and nuclear structure (including radioactivity). The importance of these areas in the physical world around us will be emphasized. Frequent demonstrations will be used to reinforce concepts. Prerequisite: High school algebra. Offered each year.

**PHY 151, 152 Introductory Physics I, II** (4) (4) An examination of the fundamental principles of mechanics, heat, sound, light electricity and magnetism, using algebra and the applications of these principles to the world about us. Laboratory included. Prerequisite: MTH 151. Lab fee.

**PHY 301, 302 General Physics I, II** (4) (4) By the application of calculus to the definitions, the fundamental principles of physics are simplified. Topics covered in this course include mechanics, heat, sound, electricity, magnetism, light and nuclear physics. Includes a two-hour laboratory. Lab fee. Prerequisite or concurrent registration: MTH 171 or equivalent. Lab fee.

## POLITICAL SCIENCE

See History/Political Science

## PRE-ENGINEERING

See Mathematics/Computer Science

## PRE-LAW

See History/Political Science

## PSYCHOLOGY

### Program Description

The department offers a degree in Psychology and a degree in Human Resource Management. The Psychology degree requires: 33-42 hours in psychology including PSY 100, 300, 432, SS310, plus 2 courses from the following: PSY 324, 330, 332, 334, 335. Consult department faculty regarding the Psychology minor.

The degree in Human Resource Management requires: SS310, BA 200, 201, 211, 212, 240, 320, 330, 333, 350, 360, PSY 100 or 101, 209, 300, 302, 310, 324, 432, a minimum of 15 credit hours in psychology electives.

### Courses of Study

**PSY 100 Principles of Psychology** (3) An introduction to behavioral science, focusing on the study of perceptual, learning, and motivational processes. The student will explore basic psychological concepts, methods, and findings leading to an understanding of human behavior.

**PSY 101 Interactive Psychology** (3) An introductory study of the reciprocal relationships between personality and society. The emphasis is on understanding the dynamics of the interaction among personality dispositions, social behavior and social-cultural influences. Group activities and demonstrations provide student-generated data to test and to expand the student's understanding of text materials.

**PSY 200 Human Development: Childhood** (3) Study of the factors influencing the child's perceptual, motor, intellectual, language, social and personality development from birth to maturity.

**PSY 201 Psychology of Adolescence** (3) A study of physical, intellectual, emotional and social development during the period of adolescence. Research studies are given special attention in studying the development of a sense of personal identity, changing roles in family, school and community, and problems of adjustment, delinquency and drug abuse.

**PSY 231 Creative Problem Solving** (2) An intensive experience designed to develop an understanding of the processes of problem-solving and creativity. 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. (A previous course in Psychology is recommended.)

**PSY 300 Research Methods in Psychology and the Social Sciences** (4) A course in the techniques of behavior observation an analysis in which students learn to design and conduct research in the social sciences, to analyze the data meaningfully, and to present their findings to others. Equal emphasis is given to survey, correlational, and experimental methods.

**PSY 301 Theories of Personality (3)** The major theories of personality are studied along with the research on which the theories are based. Students will undertake independent projects exploring aspects of personality theories. Prerequisite: PSY 100 or 101.

**PSY 302/SED 302 Behavior Modification (2)** Study of the application of learning principles to practical problems of behavior with emphasis on behavior management and behavior modification in home, school, and clinical settings. Laboratory study in acquisition of new behaviors, and visits to local programs using behavior modification with normal and exceptional persons. Prerequisite: PSY 100 or permission of instructor.

**PSY 303/SED 303 Abnormal Psychology (3)** A survey of the major classes of behavior disorders. Emphasis is given to understanding symptoms, the complex interaction of factors related to disordered behavior and various approaches to correction of behavior problems. Prerequisite: PSY 100 or 101.

**PSY 310 Industrial/Organizational Psychology (3)** Survey of the principles of psychology as related to management and supervision of people in an industrial environment. Includes small group dynamics, leadership, motivation, counseling, and assessment. Some relevant case studies are discussed, and games and simulations are used to explore principles. Prerequisite: PSY 100 or 101.

**PSY 312 Psychology of Aging (3)** This course focuses on the aging person. Development processes involving sensory, perceptual, intellectual and personality changes from young adulthood through old age provide the framework for understanding the process of aging. The area of study includes the role of the older person in the family and society as well as issues related to economics, leisure, retirement and death. Prerequisite: PSY 100 or 101.

**PSY 324 Psychological Testing (4)** 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. Each student will complete a term project in constructing, validating, and norming a test. Prerequisites: Two prior courses in psychology.

**PSY 330 Psychology of Learning (3)** Study of how old behaviors are changed and new behaviors are acquired as a result of experience. Attention is also given to theories and empirical findings in the field of human memory. Students will carry out an experiment in learning or memory. Prerequisite: PSY 100.

**PSY 332 The Psychology of Motivation (3)** An analysis of the major theories of motivation, the data on which they are based, and applications of motivation concepts. Prerequisite: PSY 100 or 101.

**PSY 334 Explorations in Social Psychology (3)** 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. Prerequisite: PSY 100 or 101.

**PSY 335 Topics in Biopsychology (2)** Study of biological aspects of behavior, including neurophysiology, motivation and memory. Prerequisite: PSY 100 and BIO 100.

**PSY 341 Counseling and Psychotherapy (3)** An introduction to the theories, principles and techniques of counseling and psychotherapy. Prerequisite: PSY 203 or 301.

**PSY 365 Human Sexuality (3)** 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. Prerequisite: PSY 100 or 101.

**Field Studies:** Advanced students are given an opportunity to explore applications of psychology in field study experiences. Field studies require prior mastery of psychological concepts related to the designated situation and thus must be approved by the department chairperson before registration on demand.

**PSY 401 Field Study in Experimental Psychology (Credit Variable)** Opportunity for the advanced student to work in a professional laboratory situation and to take responsibility for development and execution of a substantial behavioral research project. Prerequisites: PSY 300, Junior standing, and approval of chairperson.

**PSY 402 Field Study in Child Development (Credit Variable)** Opportunity for the advanced student to actively participate under qualified supervision in a psychological program for normal or exceptional children. Prerequisites: PSY 300, Junior standing, and approval of department chairperson.

**PSY 403 Field Study in Interpersonal Behavior (Credit Variable)** Supervised work experience for the advanced student in the psychology department of a mental health agency, emphasizing the objectives and procedures required in establishing a helping relationship with persons who have behavior problems. Prerequisites: PSY 300, Junior standing, and approval of department chairperson.

**PSY 432 Advanced General Psychology (3)** Students survey the history of psychology and analyze recent developments in various fields of psychology in historical perspective. Also, professional issues and ethics will be covered. Prerequisites: PSY 100 and Junior standing.

## SKILL DEVELOPMENT

Each of the following courses carry two semester hours of credit. Students assigned to these courses will be required to complete 120 semester hours of credit in addition to the credits earned from these fundamental courses toward their degree completion.

**COL 051 Fundamentals of Reading (2)** Offered every semester.

**COL 052 Fundamentals of Writing (2)** Offered every semester.

**COL 053 Fundamentals of Mathematics (2)** Offered every semester.

## SOCIAL SCIENCE

**SS 310 Social Science Statistics (3)** This course presumes a knowledge of basic mathematical operations. Emphasis is placed on the application of descriptive and inferential statistics to research problems and data sets characteristically encountered in the social sciences. Topics included are point and interval estimation of population parameters, correlational techniques for all scales of measurement, and parametric and nonparametric hypotheses-testing techniques. Prerequisite: MTH 141 or permission of the instructor.

## SOCIOLOGY/ ANTHROPOLOGY

### Program Description

The department offers a degree in Sociology. The Sociology degree requires: 27-42 hours in sociology or anthropology including ANT 112, SOC 102, SOC 320, SOC 325, and SS 310 (optional). Majors who choose to orient their studies toward an applied field such as social work are required to take at least one internship in a social agency. Majors who choose to continue graduate work in sociology or anthropology are required to complete an independent study course focused on theory. Consult department faculty for details on a Sociology or Anthropology minor.

### Courses of Study

**SOC 102 Basic Concepts of Sociology (3)** An introduction to the basic concepts and theories that enable us to understand and explain human group behavior in various social contexts. Application of sociological concepts to socialization, social interaction, groups, stratification, contemporary industrial society and Third World Societies, ethnic groups, social change, and social institutions.

**ANT 112 Cultural Anthropology (3)** An introduction to the four subfields of Anthropology (Physical Anthropology, Archaeology, Linguistics, and Ethnology). The course will examine the findings of each of these differing fields in order to explore the development of various cultures throughout the world. Offered each spring semester.

**ANT 122 Human Evolution: Biology and Culture (3)** This course surveys the findings from recent anthropological research on the physical and cultural evolution of humanity. Students will be introduced to the recent genetic, fossil, and archaeological evidence for human physical and cultural evolution. Special attention will be given to the evidence linking biological and cultural factors in influencing human behavior.

**ANT 205 Cultures of South and Southeast Asia (3)** An introduction to the cultures of South Asia (India, Pakistan, Bangladesh, Nepal, Sri Lanka, Bhutan, and Sikkim) and Southeast Asia (Burma, Thailand, Laos, Kampuchea, Vietnam, Malaysia, Indonesia, Philippines) through an examination of the socioeconomic patterns, political systems, and religious traditions found in these societies.

**ANT 210 Native American Indians (3)** An examination of the origin, traditional culture, and current situation of the Native Americans. Some attention is given to the history of Indian/White relations.

**SOC 214 The Family (3)** An exploration of the interpersonal dynamics of family life, the variation in family structure and function in different social classes and cultures.

**SOC 218 Race and Ethnicity: A Global Perspective (3)** 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. Offered: Spring 93.

**SOC 220 Social Problems (3)** A systematic description and exploration of social problems of industrial and post-industrial society. The relationship of social problems to social change, value conflict and personal deviation will be examined. Urban and rural change, threats to the natural environment, the family, education, poverty, crime and civil liberties are some of the problem areas explored. This course is relevant to career preparation for all of the helping professions.

**SOC 221 Urban Sociology (3)** Covers the growth of cities with primary emphasis upon the industrial and post-industrial periods. Specific topics covered will include metropolitan growth, suburbanization, patterns of social geography and social segregation. Attention will also be paid to the relatedness of urban development and emergent economic, political and social issues.

**ANT 234 Islamic Societies (3)** An introduction to Islamic societies of the Near East, South and Southeast Asia. The course will focus on the contemporary demographic, economic, social political, religious, and ideological trends that are evident in Islamic regions. Offered: Fall 92.

**ANT 317 Social and Cultural Change (3)** This course examines the processes of social and cultural change providing both theoretical positions and empirical data to assess and evaluate societal change.

**SOC 320 Social Thought and Theory (3)** Survey introduction to the history of sociological theory and social thought. Emphasis on selected European and early American theorists who have had a strong impact on contemporary sociology. Prerequisite: SOC 102 or ANT 112.

**SOC 321 Complex Organizations (3)** An examination of the changing patterns of American community life. A presentation of the structure and process of complex organizations and relationships to their social environments. The relation of both community and complex organization to new forms of social organization. Theory for this course is based upon sociocultural and general systems approaches. This course is central to career preparation for Business, Public Administration, and Social Work. Prerequisite: SOC 102 or ANT 112 or consent of instructor.

**SOC 322 Social Deviance (3)** Social deviance is defined as behavior which violates social norms. The social creation, function, organization and consequences of types of social deviancy are studied as well as ways to regulate and to control it. This course is central to career preparation for Public Administration, the Administration of Justice and Social Work. Prerequisite: SOC 102 or ANT 112 or consent of instructor.

**SOC 323 Sociology of Health and Medical Care (3)** An examination of the social facts of health and illness, the social functions of health institutions and organizations, and the relationship of systems of health care to other social systems. Disease prevention and health promotion, women's health movement, self-care, and current trends in social and economic policy relevant to public health and to private health care will also be covered. This course is central to career preparation for Medicine, Sports Medicine, Athletic Training, Public Health, Medical Care Administration and Social Work. Prerequisite: SOC 102 or ANT 112 or consent of instructor.

**ANT 324 Religion and Culture (3)** Anthropological approaches to the study of religion, religious beliefs and practices of selected non-Western and Western cultures. Prerequisites: ANT 112 or SOC 102 or REL 200 or consent of instructor.

**SOC 325 Introduction to Social Research Methods (4)** A basic course introducing current research techniques, methodological approaches, and the analysis of data. Students participate in designing and conducting research. Prerequisites: SOC 102 or ANT 112, MTH 106.

**SOC 330 Sociology of Aging (3)** An exploration of human aging: demographic trends, physical, psychological, and social aging; family and social support; employment and retirement; death and dying; the economics and politics of aging; health and social services; future prospects.

**SOC 340/ANT 342 Current Topics in Sociology or Anthropology (3)** This course will deal with a specialized aspect, topic, or region in Sociology or Anthropology. Each topic is announced and a course description provided at the time of registration. Prerequisite: SOC 102 or ANT 112 or consent of instructor.

**SOC/ANT 391, 392, 393 Independent Study Courses (1-3)**

**SOC 400 Field Study (3)**

**SOC 450 Internships (6 or more)**

**SOC 499 Honors Project (6)**



# THEATRE

## Program Description

The theatre major (45-48 hours) will include core requirements of 30-33 hours and a major emphasis of 15 hours in performance or design.

The core requires: TA 101, 111, 112, 206, 216, 271, 272, 306, 3 hours of dramatic literature chosen from advanced level Theatre courses or free elective English courses, and 3-6 hours from TA 100, 102, 403, 404, and 405.

The performance emphasis requires: TA 106 or DAN 101, TA 201, 204 and 6 hours from 301, 302, 401 and 402. The design emphasis requires: 3 hours from ART 106, 108, or 136; 6 hours from TA 207, 208, 209 and 211; and 6 hours from TA 307, 308, 309, 407, 408 and 409.

The minor in theatre (24 hours) requires: TA 101, 206, 271, 272, 9 hours of electives in acting or design/tech, and 3 hours of theatre electives.

## Courses of Study

**TA 100 Theatre Practicum (1)** Practical work on stage productions. Open to all students. May be repeated. Offered each semester.

**TA 101 Acting I (3)** 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 both theatre majors and non-majors. Offered each fall.

**TA 102 Performance Practicum (1-2)** Refines acting skills under the direction of a faculty stage director or choreographer. No more than 4 total credits in the course may apply to any major or minor in the department. Prerequisite: permission of instructor. Offered each semester.

**TA 105 Stage Movement (3)** Basic non-verbal and physical explorations related to the development of the actor's body as a psychologically and physically responsive instrument. Offered each spring.

**TA 111, 112 Introduction to Technical Theatre I, II (3)** (3) An introduction to the total technical spectrum of the theatre, from the construction of scenery to scene painting, stage lighting mechanics, and the construction of costumes. Topics range from scarf joints to color theory, drafting techniques, and darts and French seams. Offered: (TA 111) each fall; (TA 112) each spring.

**TA 117 Introduction to the Theatrical Arts (3)** An examination of the origins, forms and styles of drama, dance and musical theatre and their esthetic values and studies the relationships of the collaborative artists in their contributions to these arts in performance. Laboratory work will include attending actual performances of the various forms. Offered each semester.

**TA 120 Workshop in Performing Arts Fundamentals (3)** A survey of the basic skills of the performing artist. Concentrated study in the areas of character development, stage movement and voice production will be supplemented by performance activities. The course will culminate in a public performance. Offered as needed.

**TA 201 Acting II (3)** Designed to be a scene-study class, the course explores the techniques for character analysis as described by Stanislavski. Students perform selected scenes from plays especially chosen to give them the necessary skills for building a character and creating a role for the stage. Prerequisite: TA 101. Offered each spring.

**TA 204 Stage Voice I (3)** Mechanics of voice and diction geared to the individual actor's needs and problems. Prerequisites: TA 101 and permission of instructor. Offered as needed.

**TA 205 Stage Combat (3)** Theory and studio exercises in armed and unarmed stage combat. Prerequisite: TA 105 or 201. Offered as needed.

**TA 206 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 persons working in any of the artistic roles in the theatre. Offered each fall.

**TA 207 Set Design (3)** An introduction to the process of set design, from research and thumbnail sketches to color elevations, and property sketches. Two (or more) designs will be completed in a thorough step-by-step procedure.

**TA 208 Lighting Design (3)** An introduction to the mechanics of stage lighting, from ohms to SCR's and a thorough examination of lighting design, from lighting plot and dimmer list to rough copy of cues and levels.

**TA 209 Costume Design (3)** Study of the purposes of stage costume, research of script and period, designer/director relationship, character and mood choices in styles and colors, and rendering of plates. Prerequisite: TA 111 or permission of instructor.

**TA 211 Problems in Technical Theatre (3)** Study and practice of theories and skills in set construction, scene painting, and lighting instrumentation.

**TA 216 Stage Make-up (3)** Correct techniques in the application of stage make-up from corrective to old age, style in make-up from realistic through stylized to fantasy, creation and use of facial hair and prosthetics, wig and hair style, and the development of masks. Offered each spring.

**TA 217/BRM 276 History of Costume and Fashion (3)** Course traces the styles of human dress in world culture from the Biblical era to the end of the 20th

**TA 271 History of Performing Arts I (3)** Study of the performing arts of drama, dance, and music: their interrelation, styles in form and production, their basis in contemporary philosophical ideas and their interpretations in the original period and now, from the beginnings to the developments in 17th century French Neoclassicism. Prerequisite: HIS 100 or concurrent registration, ENG 102.

**TA 272 History of Performing Arts II (3)** Study of the performing arts of drama, dance, and music: their interrelation, styles in form and production, their basis in contemporary philosophical ideas and their interpretations in the original period and now, from the English Restoration through the rise of modern forms. Prerequisites: HIS 100 or concurrent registration, ENG 102. Offered: Fall 92.

**TA 301 Acting Studio I (3)** Designed to be an advanced scene study class, the course explores the techniques of characters in the plays of various periods and styles. Prerequisites: TA 201 and consent of instructor.

**TA 302, 401, 402 Acting Studios II, III, IV (3)** (3) Advanced scene study classes and acting styles. Exploration of the styles of Shakespeare, Moliere, and contemporary playwrights. Prerequisites: TA 201 and consent of instructor.

**TA 306 Directing (3)** Fundamental theory and practice for the stage director. Prerequisite: TA 201 and 206.

**TA 307, 407 Set Design I, II (3)** (3) Studio courses for the student interested in a career in scenic design. Designs chosen and completed with an emphasis on portfolio and personal artistic growth, the business of making a living in the field, from contacts to contracts, to the union and underlying themes. Prerequisite: TA 207.

**TA 308, 408 Lighting Design Studio I, II (3)** (3) Studio courses for the student interested in a career in lighting design. Designs will be chosen to build individual portfolios and to challenge one's knowledge of lighting. Prerequisite: TA 208.

**TA 309, 409 Costume Design Studio I, II (3)** (3) Studio courses 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. Prerequisite: TA 209.

**TA 335/ENG 335 Modern Drama (3)** A study of directions in modern and contemporary drama from Ibsen to the present. Includes realism and naturalism and symbolist, poetic, expressionist, existentialist, "epic," and experimental plays.

**TA 336 Survey of Dramatic Literature (3)** All major periods of the Western World from ancient Athens to the present. Prerequisite: ENG 201-202





**TA 360 Traditional Drama of Asia (3)** A study of the universal puppet drama, Sanskrit drama of India, Yuan Drama and Peking Opera in China and the Noh and Kabuki theatre in Japan, their historic development and styles and their modern production and influence on contemporary culture.

**TA 383 American Musical Theatre (3)** A study of the development of the genre of Musical Theatre. This course traces the origins of Musical Theatre from its roots in music hall entertainment, vaudeville, and melodrama. The course uses musical scores, video tapes, and film adaptations to explore current musical theatre entertainment.

**TA 403 Applied Acting Studio (3) Performance** course related to a specific role in a dramatic work, concentrating on style, period and genre of the work. May be repeated for credit with permission of the instructor.

**TA 404 Applied Set Design Studio (3)** Set design course related to a specific dramatic work, concentrating on style, period and genre of the work. Specific application of technical related skills will play a major part of this course. May be repeated for credit with the permission of the instructor.

**TA 405 Applied Costume Design Studio (3)** Costume design course related to a specific dramatic work, concentrating on style, period and genre of the work. Specific application of costume related techniques will play a major part in this course. May be repeated with permission of the instructor.

**TA 406 Advanced Directing (3)** Exercises in analysis and style leading to the production of a one-act play. Prerequisite: TA 306 or permission of instructor.

\*This new program or program change has recently been adopted by the College and submitted to the Coordinating Board for Higher Education for review.



# Administration of the College

## Office of the President

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President of the College

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*Judy Shanahan,*  
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*Marsha Hollander Parker, M.F.A.,*  
Executive Director of Alumni Relations

*Jeanne M. Maipiedi, B.A.,*  
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Provost and Dean of the Accelerated Programs  
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*Daryl Anderson, Ph.D.,*  
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*C. Edward Balog, Ph.D.,*  
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*Oliver Hagan, M.S.,*  
Dean of Division of Management

*Gene Henderson, Ed.D.,*  
Dean of Division of Education

*James Wilson, M.A.,*  
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Athletic Director

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Director of Talent Accomplishment Program/  
Student Services

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Chaplain

*Art Siebels, M.Ed.,*  
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*Joane Lumma,*  
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*Brian Watkins, B.S.,*  
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Advising

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St. Louis University; Ph.D., Georgetown University;  
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**WILLIAMS, DAVID R.**

Dean of the College and Professor, Social Science  
Division  
A.A. Santa Monica City College; B.A., California  
State University-Dominguez Hills; M.A., California  
State University-Northridge; Ph.D., University of  
Southern California (1991).

**WILSON, JAMES**

Dean of Humanities and Associate Professor of  
Communications  
B.S., University of Wisconsin-LaCrosse; M.A.,  
Oklahoma State University (1979).

**YEVIN, G. BERNARD**

Associate Professor of Management  
B.S., M.B.A., Eastern Illinois University (1991).

**ZUMBRUNNEN, WANITA A.**

Associate Professor of English  
B.A., Coe College; M.A., Mills College; Ph.D.,  
University of Iowa. (1980).



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Reynolds Inc., St. Charles, MO

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Detroit, MI

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Alumna, Family Service Coordinator  
LaGrange Area Head Start, LaGrange, IL

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Secretary  
Trainer/Consultant  
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Manager, Mercantile Bank  
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St. Charles, MO

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General Manager, St. Charles Gas Company  
St. Charles, MO

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President, Soil Consultants, Incorporated  
St. Peters, MO

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Jefferson City, MO

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St. Charles, MO

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Mental Health  
St. Charles, MO

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Manager, Marketing Communications,  
Shure Brothers, Inc.  
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City Schools  
St. Charles, MO

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Community Leader, Educator  
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Treasurer  
Attorney, Rollings, Gerhardt, Borchers, Stuhler and  
Carmichael, P.C.  
St. Charles, MO

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**Betty Leathers Ambrose**  
Community Leader  
Overland Park, KS

**Bradley Anderson**  
General Manager, Viacom Cable  
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Actor, Nebraska Theatre Caravan  
Omaha, NE

**Tom Bakewell**  
Attorney  
St. Louis, MO

**Glen Cerny**  
General Manager, KCLC; Assistant Professor,  
Lindenwood College  
St. Charles, MO

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Director, Bell Labs  
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Health Care  
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Sales Associate, GTE  
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Community Leader  
St. Louis, MO

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Jacobs Engineering  
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Assistant Registrar, Lindenwood College  
St. Charles, MO

**Candace Myers-Burchyett**  
Financial Services Broker, Edward D. Jones  
St. Louis, MO

**Anne Pals**  
Community Leader  
St. Charles, MO

**Elizabeth Rauch**  
Community Leader  
St. Charles, MO

**Janet Riddle**  
Community Leader  
St. Louis, MO

**Martin Sherman**  
Occupational Analyst, State of Missouri  
St. Charles, MO

**Sharon Serre Smith**  
Community Leader  
St. Charles, MO

**Carol Stoub**  
Family Service Coordinator, LaGrange Area  
Head Start Program  
LaGrange, IL

**Maurita Stueck**  
Community Leader  
St. Louis, MO

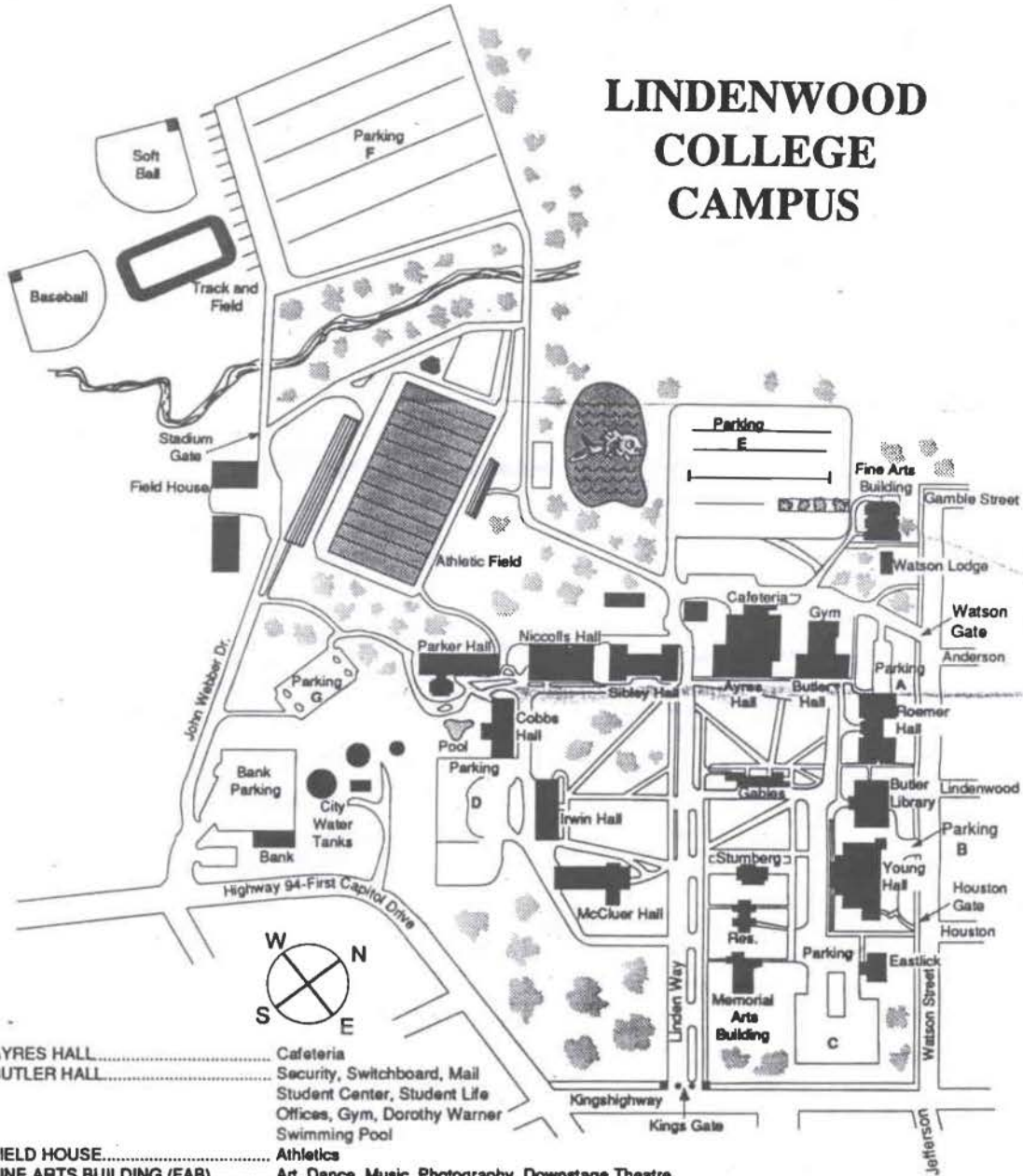
**Virginia Terry**  
Supervisor of Elementary School Libraries-Retired,  
St. Charles City Schools  
St. Charles, MO

**Dorothy Warner**  
Chief Executive Officer-Retired,  
The John Warner Bank  
Gilford, NH

**Betty Ziegler**  
Community Leader  
Carlsbad, CA



# LINDENWOOD COLLEGE CAMPUS



- |                                   |  |
|-----------------------------------|--|
| AYRES HALL.....                   | Cafeteria  |
| BUTLER HALL.....                  | Security, Switchboard, Mail<br>Student Center, Student Life<br>Offices, Gym, Dorothy Warner<br>Swimming Pool                   |
| FIELD HOUSE.....                  | Athletics  |
| FINE ARTS BUILDING (FAB).....     | Art, Dance, Music, Photography, Downstage Theatre  |
| GABLES.....                       | Day Admissions and English Department  |
| MEMORIAL ARTS BUILDING (MAB)..... | Business Administration, Communications, Babcock Center, KCLC, Sibley Museum   |
| RESIDENCE.....                    | President's House  |
| ROEMER HALL.....                  | Administrative Offices, Evening Admissions, LCIE Office, Jekyll Theatre, Financial Aid,<br>Business Office, Registrar's Office |
| YOUNG HALL.....                   | Natural and Mathematical Sciences, History/Political Science, Young Lounge, Young Auditorium                                   |
| RESIDENCE HALLS.....              | Ayres, Cobbs, Eastlick, Irwin, McCluer, Nicolls, Parker, Sibley, Stumberg, Watson  |