



LINDENWOOD COLLEGE

1989-90 COURSE CATALOG

Undergraduate Day and Evening College

Master of Business Administration, Master of Fine Arts. The major areas of concentration and the format in which each degree is offered is listed as follows:

Interdisciplinary majors and minors are available in international studies, human resources management, and legal studies.

Preface

This catalog contains a description of the undergraduate programs offered in the traditional Day College and Evening College divisions of Lindenwood College. Separate catalogs are devoted to the description of the Lindenwood College for Individualized Education (LCIE) programs 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.

It is the policy of Lindenwood College not to discriminate in its educational policies and programs nor in its employment practices on the basis of age, race, creed, sex, handicap, or natural or ethnic origin.

Lindenwood College is accredited by the North Central Association of Colleges and Secondary Schools and by the National Council for the Accreditation of Teacher Education.

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,

Day College Undergraduate Programs

Bachelor of Arts Degrees

Art History
Biology
Business Administration
Chemistry
Computer Science
Corporate Communications
Elementary Education
English
Fashion Marketing
French
History
Mass Communications
Mathematics
Medical Technology
Music
Performing Arts
Political Science
Psychology
Secondary Education (Major in Subject Specialty)
Sociology
Spanish
Special Education
Studio Art (Bachelor of Fine Arts)
Theatre

Evening College

Bachelor of Arts Degrees

Business Administration
Mass Communications
Computer Science
Education

Graduate Degrees

Master of Arts in Education
Master of Business Administration (MBA)
Master of Music Education
Master of Science (Business Specialty Area)
Master of Science in Education

Lindenwood College for Individualized Education (LCIE)

Bachelor of Arts Degrees

Business Administration
Corporate Communications
Gerontology
Health Management
Human Resource Development
Mass Communications
Valuation Sciences (Appraisal)



LCIE contd.

Graduate Degrees

- Master of Arts in Gerontology
- Master of Arts in Professional Psychology
- Master of Business Administration (MBA)
- Master of Science (Business speciality area)
- Master of Science in Corporate Communications
- Master of Science in Health Management
- Master of Science in Health Promotion
- Master of Science in Mass Communications
- Master of Valuation Sciences (Appraisal)

Note: In all divisions individualized degrees may be developed on a contract basis for interdisciplinary specialties.

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 the 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 offering 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 in 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 and graduate levels. Cited as a "model program" in the United States, LCIE provides students with full-time 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 2,000 students in 53 undergraduate and graduate degree programs

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, but 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 Dean 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 Dean 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 the 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 waived. This waiver may be requested by the high school counselor or an appropriate agency official.
2. Official transcript 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 with 30 or more hours of credit may not be required to submit their high school transcript.
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 30 or more hours of credit and applicants who have been out of high school for five or more years may not be required to furnish scores from standardized tests, although they are recommended. Satisfactory standardized test scores are required for all applicants for the major in Education.
4. In lieu of procedures 2 and 3, an applicant may provide other documentation which demonstrates the student's ability to succeed in the academic programs offered by Lindenwood College. The documentation may include, but is not limited to: a) recommendation from teachers, counselors, or principals indicating an ability to make satisfactory progress in the College's academic programs; b) scores from the College's standardized "Ability to Benefit" test (contact the Dean of Admissions for additional information, or to set up a testing date; and c) results of counseling given to the student prior to admission.
5. An autobiographical statement or essay is required of all students seeking admission to the LCIE program.

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. In case of financial hardship, the fee may be waived. A request to waive the fee should be sent to the student's admissions counselor for consideration by the Dean of Admissions.
3. Proof of English language proficiency as evidenced by one of the following: a) A TOEFL score of at least 450 for undergraduate and 500 for graduate students; b) successful completion of a secondary or college level course of study

in which English is the language of instruction; and c) other evidence of English language proficiency.

4. Results of the ACT/SAT (a standardized American test) 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 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 to pay for 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. A deposit of \$150 which will be applied toward tuition.

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.

Student Expenses

1989-90 Academic Year

Tuition

Full-time undergraduate day (12 or more credit hours)	\$7,000 per year \$3,500 semester
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Lindenwood College for Individualized Education

Undergraduate	\$1,350 per term
Graduate	\$1,575 per term

Part-time tuition

Undergraduate day	\$200 per cr. hr.
Undergraduate evening	\$150 per cr. hr.
Graduate	\$175 per cr. hr.

Room Charges

\$1,750 per year

Board Charges

\$1,750 per year

Enrollment Deposit

Resident students are expected to pay a \$100 non-refundable fee to reserve their rooms. In addition, a \$50 refundable room damage deposit is required.

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 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 \$100 non-refundable room reservation deposit will be refunded.

Additional Charges

Additional charges, when applicable include:

Student Activity Fee	\$40 per semester
Laboratory Fees	\$40
Studio Fees	\$60
Student Teaching Fee	\$150
Experiential Learning Processing Fee: (one-time-only charge)	\$200
Experiential Learning Credit:	\$50 per credit hour

Applied Music Fee: \$80 per half-hour
(For individual lessons in piano, voice, or orchestral instruments and organ; one semester hour credit)

Applied Music Fee: \$160 per hour
(For individual lessons in piano, voice, or orchestral instruments and organ; two semester hours credit)

Overload Fee (except LCIE): \$150 per hour
(A charge to full-time students who take more than 18 hours)

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



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 45 days following the conclusion of the term for which the note applies.

Deferred Payment Plan (DPP): The DPP offers the option for students to pay their tuition in installments. It is available to Day and Evening students and/or their parents. There is a origination fee that must be paid when the agreement is executed. The fee is based on the amount of the unpaid balance. A down payment of 30% of the total tuition and fees for the term is required. The DPP may not be used in conjunction with the Corporate Promissory Note.

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.

Older Student Tuition

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

Withdrawal & Refund

Refunds are calculated from the date of official withdrawal or leave of absence. Students who withdraw unofficially or at the request of Lindenwood College are not entitled to any refund for the current semester. A withdrawal or leave of absence is considered official when notice, stating the intention of the student to discontinue the course in which he/she is registered, has been approved by both the Dean of Admissions and the Registrar.

Full-time students who withdraw completely from Lindenwood College may be entitled to a refund, but such students will not be reclassified until the end of the semester. Part-time students

who withdraw from a course also may be entitled to a refund. The amount of the refund is determined by the date upon which written notification of intent to withdraw or to change the student's schedule is received in the Registrar's Office, and NOT on the date of the last class attended, unless the two dates coincide.

The following policy is effective for all students enrolled in the Day Division of the College. Refunds will be made as follows:

Before first class meets (except for the non-refundable room reservation deposit and application fee)	100%
During first two weeks of term	80%
After second week of classes	No Refund

The refund schedule for Evening Division (quarter calendar) and Summer Session courses is as follows:

Before first class meets	100% refund
Before second class meets	75% refund
Before the third class meets	50% refund
After the third 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 for the students who withdraw totally. Any request for cancellation of board charges should be made with the Office of Programs and Residences.

There is no refund of tuition, room or board; or other fees for students who withdraw from the College as a result of suspension or dismissal.

Application fees and room reservation deposits are non-refundable.

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) Guaranteed Student Loan (GSL), (4) Pell Grant. Any remaining refund will be made first to the Missouri Student Grant Program and then to 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 noninstitutional 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.

In determining the date a student unofficially withdraws, Lindenwood College will use the date of the student's last recorded attendance in class, or if the College cannot document that date, the student is considered to have withdrawn two weeks after the start of classes, and all of the cash disbursement made to that student constitute an overpayment.

Lindenwood 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 and loans 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 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.

STUDENT EMPLOYMENT

Full-time resident students are able to defray a portion of their College costs by participating in the Lindenwood College "Work & 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) or the Financial Aid Form (FAF) 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 Educational 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 or FFS.

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 \$4.00 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 and \$9,000 as a graduate 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 \$2625 to \$4000 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:

Undergraduate Study	
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
Graduate Study	
Cumulative Limit	\$ 7,500/academic yr. \$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 provide 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 and 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%.

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 \$1500 an academic year. Student may apply for the Missouri Student Grant Program on the FFS or FAF 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 a new program 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 freshmen, 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.

Applications are available through high school 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 of 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 Student Financial Office if they have questions.

Satisfactory Academic 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 credit hours over a maximum number of enrollment periods, and if applicable, a cumulative grade point average for each period of attendance.

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

Undergraduate College

Academic Years Completed

1 2 3 4 5 6 7 8

Earned Credit Hours:

15 30 45 60 75 90 105 120

Graduate College

Academic Years Completed

1 2 3 4 5

Earned Credit Hours

6 12 18 24 30

For a student to be eligible for Title IV Aid at Lindenwood College, the student must have academic standing at that point in the program that is consistent with Lindenwood College's requirements for graduation. Before each payment period, the student's academic record will be reviewed for satisfactory academic progress based on the above. In general, satisfactory

academic progress requires that for each two semesters (which constitutes one academic year, summer being optional of enrollment, 15 credit hours must be earned for undergraduate and 6 hours for graduate students. 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.

FINANCIAL AID PROBATION/SUSPENSION

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 is not meeting the minimum requirements stated, the student will be placed on financial aid suspension and will not be eligible for financial aid until the minimum cumulative requirements of the policy are attained.

APPEAL AND RE-INSTATEMENT

A suspended student may be eligible to receive financial aid if the Chief Academic Officer will confirm in writing that the student is in good standing and academically progressing. An appeal to explain mitigating circumstances can be submitted to the Academic Officer.

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. Student 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 requirement 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:

- HIS 100 History of the Human Community (3)
- American History or Government (3)
- HIS 105 or 106 US History I or II, or PS 155 American National Government
- CHM 111 Concepts in Chemistry (4)
- BIO 112 Concepts in Biology (4)
- MTH 111 Concepts in Mathematics and one additional mathematics course (6)
- ENG 101 & 102 English Composition I & II (6)
- Foreign Language/Cross cultural courses (6) Either 6 hours of a single foreign language or 6 hours of Cross-cultural courses to include a focus and a specialty course.
- The Arts (3)
- ART 210 Concepts in the Visual Arts or PA 201 or 202 History of the Performing Arts I or II, or MUS 165 Introduction to Music Literature
- The Role of the Individual in Society (6)
- SOC 102 Basic Concepts of Sociology, ANT 112 Cultural Anthropology, PSY 100 Principles of Psychology, or BA 210 Survey of the Principles of Political Economics
- ENG 201 & 202 World Literature and Ideas I and II (6)

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 to 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

A full-time student is one taking 12 or more semester hours of undergraduate work in the Day College or Evening College or Saturday Campus or at an off-campus site, 9 semester hours in the Lindenwood College for Individualized Education, or 6 or more in a graduate program.

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.

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 academic 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.

Attendance

The faculty has adopted the following statement regarding class attendance:

1. It is desirable that a student attend each meeting of each course.
2. The responsibility for a student's educational program rests with the individual student. Each student must adapt to the attendance requirements for each course.
3. 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.
4. Persons receiving benefits from the Veterans Administration are governed by special regulations concerning class attendance. (See Veterans Benefits.)

Calendar

Lindenwood College uses different calendars for different programs of the College. The on-campus day program is on a semester calendar. Fall semester begins just before Labor Day and ends before Christmas. Spring semester begins in January and ends in early May. All evening classes, with the exception of the program in Education, use a year-round quarter calendar. All academic credit is given in semester hours.

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, at least 54 hours; 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.

Course Numbers

Course numbers used at Lindenwood indicate the following:

- 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.
- 500-600 Graduate courses.

Dean's List

Immediately following the end of the Fall and Spring semesters, the Dean of Faculty announces the names of full-time students, on the semester calendar only, who have achieved a grade point average of 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, 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. Nor credit is given. "W" indicates an official withdrawal.

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 academic 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 or quarter; 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 academic dean to be considered for approval.

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. "D" and "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 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 should 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. An Academic Grievance Committee may be convened to hear academic grievances concerning grades and other academic matters. Information about these procedures is available in the office of the Dean of Academic Administration. Notice of intent to file a grievance must be made in writing to the appropriate division dean within six weeks of the receipt of the grade. Changes under this procedure will only be made during term immediately following the term in which the disputed grade was given.

Readmission

In all cases in which students have attended Lindenwood College but have withdrawn voluntarily or been suspended for academic or other reasons but now desire to return, an application must be made to the Dean of Academic Administration. Readmission 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 full year or more must be re-admitted under the catalog in effect at the time of readmission. All current requirements must then be met.

Residency

An undergraduate student not previously enrolled at Lindenwood College must complete a minimum of 30 semester hours at Lindenwood, 15 of which must be in the major as approved by the appropriate department.

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. 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.

3. A student enrolled in 6 or more credit hours who fails to achieve a 1.00 average in the coursework of any term will be suspended.

4. A student on academic probation may not receive a grade of incomplete (INC).

5. A Freshman (0-24 credits) must attain a 1.60 grade point average. A Sophomore (25-54 credits) must achieve at least a 1.80 grade point average. Juniors (55-84 credits) must achieve a 1.90 average, and Seniors (85 or more credits) must earn 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 readmission. Readmitted students will enter on probation and be obligated to the requirements in the catalog in effect at the time of the readmission. Any readmitted student failing to achieve the necessary grade point average by the end of the second term after readmission will be permanently dismissed from the College.

Appeals of academic suspensions and petitions for readmission should be directed to the Dean of Academic Administration for review by the Council of Deans.

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. Include name, date of attendance, and current address. Normal processing time for transcripts is 3-4 days.

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 trans-

fer 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 for this purpose from the Registrar's Office.

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

Veteran's 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. At the end of the full course of study, the student will receive a B.A. or B.S. degree from Lindenwood and a B.S. in Engineering from 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/George Warren Brown School of Social Work

Three-Two Plan

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 Administration 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 arrangements rests with the student.

Washington 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.

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 from these fundamental courses toward their degree completion. Therefore, a student who is assigned to all three courses will have a 126 semester hour program for graduation.

The Learning Assistance 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 2,000 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 out-of-peer-group 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 such as volleyball and softball offer exercise and competition to all students in the community. Intercollegiate baseball, basketball, cross country, football, soccer, softball, tennis, track 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 an indoor and outdoor pool, a softball field, an archery range, and four tennis courts. The Hunter Stadium, a 5,000 seat facility, is the only artificial surfaced football/soccer stadium in the area.

Publications

A campus newspaper (The LindenWorld), a yearbook (The Linden Leaves), and a literary magazine (The Griffin), are published through the sponsorship of the Lindenwood Student Government and the work of Lindenwood students who wish to participate in publications for their college.

KCLC-FM

Students may participate in the operation of the campus radio station, KCLC-FM. A stereo facility, it is the principal local radio station in St. Charles County and performs a major role in community affairs. It is operated by the Communications Department.

Religious Life

Lindenwood College enjoys a rich, long standing relationship with the Presbyterian pioneers Mary and George Sibley. Since its founding, Lindenwood has been blessed with many distinguished Presbyterians who have been blessed with many distinguished Presbyterians who have given leadership in the administration, faculty and student body. In 1984, 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.





Academic Course Offerings

ALL-COLLEGE

Courses of Study

COL 051 FUNDAMENTALS OF READING (2) By assignment. (See Education)

COL 052 FUNDAMENTALS OF WRITING (2) By assignment. (See Education)

COL 053 FUNDAMENTALS OF MATHEMATICS (2) By assignment. (See Education)

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.

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: A minimum of 27 hours in Studio Art and 9 hours in Art History including—Art 106, 108, 136; Three hours in Drawing; Three hours in Painting and Printmaking; Three hours in a three-dimensional study; Nine hours in electives toward an area of emphasis; and 9-15 hours in Art History.

The Art History or Studio Art student-to-course 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 at least 45 hours in studio courses: Art 106, 108, 136; Three hours in photography; Nine hours in drawing; Three hours in Painting; Three hours in Printmaking and 6 hours in other two-dimensional courses; Nine 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

Art History

ART 210 Concepts in the Visual Arts (3) A study of selected works in the visual arts by examining the role which the arts have traditionally played in society, drawing upon examples from a variety of cultures and historical periods. Emphasis will be placed on the analysis and interpretation of works of art in varied media from the points of view of aesthetics, style, social function, and the expression of cultural values. Prerequisites: ENG 102 and HIS 100. (General Education course option)

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.

ART 245 Art and Culture of Egypt (3) A study of the art, architecture, and literature of the Old, Middle, and New Kingdoms within the historical context of Egyptian culture.

ART 264 Art and Culture of Japan (3) A study of the arts and literature of Japan in relation to the historical and aesthetic traditions which have enriched Japanese culture.

ART 354 Nineteenth Century Art (3) Neoclassicism, Romanticism, Realism, Impressionism, and Post-Impressionism in European and American art. Prerequisite: HIS 100.

ART 355 Pre-Columbian 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 study of the national and international aspects of the Baroque and Rococo styles in European Art. Prerequisite: HIS 100.

ART 357 Greek and Roman Art (3) A study of Aegean, Greek, and Roman art and architecture. Prerequisite: HIS 100.

ART 359 American Art I (3) A study of American art and architecture from colonial times to 1820 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 art and architecture from 1820 to 1900. Prerequisite: HIS 100.

ART 361 Twentieth Century Art I (3) A study of the "isms" which define the styles of European and American art in the early twentieth century. Prerequisite: HIS 100.

ART 362 Twentieth Century Art II (3) A study of the major styles of the twentieth century from 1930 to the present with particular reference to the role of art in American culture. Prerequisite: HIS 100.

ART 368 Christian Art (3) A study of the arts of the Christian world from 300 to 1300 in relation to the cultures in which they have flourished. Early Christian, Byzantine, Carolingian, Ottonian, Romanesque, and Gothic styles are studied. Prerequisite: HIS 100.

ART 380 Renaissance Art I (3) The art of Italy and Northern Europe from 1300 to 1450 in relation to late Medieval and Renaissance cultures. Prerequisite: HIS 100.

ART 382 Renaissance Art II (3) The art of Italy and Northern Europe from 1450 to 1600 with consideration of the emerging High Renaissance and Mannerist styles. Prerequisite: HIS 100.

Studio Art

ART 106 Introduction to 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.

ART 108/BPM 377 Color Theory and Design (3) A study of the properties of color and the optical effects in perception. The application of color theory through design problems using color papers and other media.

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.

ART 181/COM 181 Beginning 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.

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.

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.

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.

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.

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.

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, lamp-shades, 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.

BIOLOGY

Program Description

Degrees offered include the Bachelor of Arts, Bachelor of Science and the major in Medical Technology. The B.A. degree requires: BIO 113, 204, 205, 234, 264, 303, 364 and Biology electives of between 12 and 21 semester hours. In addition CHM 152 and MTH 102, 104 and 106 must be completed.

The B.S. in Biology requires: BIO 113, 204, 234, 264, 301, 308, 364, and 11 to 20 hours of Biology electives. Other required courses include: CHM 152, 362; MTH 106, 171 and 172.

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 Concepts in Biology II, two semesters of Comparative Vertebrate Anatomy and Physiology, one semester each of Microbiology, Genetics, Immunology, Parasitology, Concepts in 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.

Courses of Study

Biology

BIO 112 Concepts in Biology I (4) Will examine 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 will include use of instrumentation in data collection, methods of data collection and analysis, and a half-semester of actual experimentation. Lab fee. Prerequisite: CHM 111. (General Education course)

BIO 113 Concepts in Biology II (4) Will examine cell metabolism including photosynthesis, classification of organisms, anatomy and physiology of plants and animals, organismic defenses including immune defenses, and behavior. The laboratory will emphasize scientific procedures, data collection and analysis. Lab fee. Prerequisite: BIO 112.

BIO 121 Nutrition (2) A study of the principles of nutrition and relationships between nutrition and health.

BIO 145 Mushrooms and Slime Molds (1) Trips to local woodlands and streams will be combined with laboratory exercises to examine the rich diversity of Missouri saprophytes. 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.

BIO 146 Insect Biology (3) A taxonomic survey of the major insect groups and their relatives. Behavior, ecology, physiology and control of insect species are studied. Laboratories include collection, preservation, and population sampling techniques. Lab fee. Prerequisite: BIO 113 or consent of instructor.

BIO 155 Survey of Plants (3) A lecture and laboratory survey of the plant kingdom emphasizing gross structure, reproduction, and evolutionary relationships of representative forms. Lab fee.

BIO 162 Environmental Biology (4) A course designed for analysis of current environmental problems. Basic ecological principles are studied as the background for examining problems as they relate to humans in the biosphere. Lab fee.

BIO 204 Introduction to Cell Biology (3) 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: BIO 113.

BIO 205 Introduction to Biophysics (2) A basic study of the concepts essential to the understanding of the three dimensional organization of cellular components, principles of macromolecular interactions, bioenergetics, enzyme kinetics, and separation methods of biomolecules. Emphasizes the physicochemical nature of living processes. Prerequisite: BIO 113

BIO 206 Modern Topics in Biology (1-3) Topics of current interest in biological research to be discussed by both students and faculty. Various areas of biology will be selected on a rotational basis. Prerequisite: Any 100 level Biology course or consent of instructor.

BIO 234 Plant Biology (4) Lecture and laboratory course examining concepts in cell biology, energy transformation, genetics, evolution, ecology, anatomy, reproduction and taxonomy characteristics of plants. Lab fee. Prerequisite: BIO 113.

BIO 245 Identification and Taxonomy of the Local Flora (3) 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.

BIO 258 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 113.

BIO 260 Marine Biology in the Subtropics (3) A general study of marine plants and animals with emphasis on the ecology of coral reefs. Studies of protected and exposed reefs as well as visits to lagoons and salt ponds are included. Lab fee. Prerequisite: Consent of instructor.

BIO 264 Field Ecology (4) An introduction to ecology and the relationship of the environment to humans. Ecosystems, energy flow, and distribution and abundance of organisms are discussed. Laboratories will be both field and laboratory based and will concentrate on sampling techniques. Lab fee. Prerequisite: BIO 113.

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: BIO 112.

BIO 301 Biostatistics (3) A course in experimental design and statistical analysis. Students will be introduced to a variety of statistical techniques including univariate, multivariate, time-series, and nonparametric designs. Prerequisite: MTH 106.

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 113 or the consent of instructor.

BIO 313 Immunology (3) A lecture and laboratory course introducing concepts and technology in immunology. Lab fee. Prerequisite: BIO 308.

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: BIO 205, CHM 362 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 324 Animal Behavior (4) Physiology, ecology, and evolutionary aspects of animal behavior are explored. Special emphasis is placed on genetically programmed rather than learned behavior. Lab fee. Prerequisite: BIO 113 or consent of instructor.

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 113.

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 will examine the general principles of developmental biology. The course includes concepts about the onset of development, molecular and cellular phenomena of development, cell and tissue interactions, and morphogenesis. Lab fee. Prerequisite: BIO 204.

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 330.

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 113.



BIO 346 Insect Biology (4) A taxonomic survey of the major insect groups and their relatives. Behavior, ecology, physiology and control of insect species are studied. Laboratories include collection, preservation, and population sampling techniques. Lab fee. Prerequisite: BIO 113 or consent of instructor.

BIO 351 Field Studies in Taxonomy (3-5) Studies on a taxon of student's choice will be conducted on the Cuivre River property. Work will include collection, identification, and preservation techniques. Lab fee. Prerequisite: BIO 113.

BIO 353 Microbiology (4) A course relating the major principles in biology to the microbial world. Primary emphasis is on bacteria, with consideration of the algae, fungi, protozoa, viruses, and other microorganisms. Lab fee. Prerequisite: BIO 204.

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 357 Aquatic Algae of the Region (3) Collection, identification, and classification of local algae with special emphasis on field and laboratory studies. Lab fee. Prerequisite: BIO 113.

BIO 364 Evolution (3) A course of readings and discussion of the major evolutionary theories from Lamarck and Darwin to the Modern Synthesis. Current research in evolution will be considered. Prerequisite: BIO 308.

BIO 365 General Ecology (3) A theoretical approach to ecology including models of population growth and distribution, measurement of energy flow and population dynamics. Prerequisites: BIO 264, MTH 106.

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: BIO 112.

BIO 400 Field Study (1-5)

BIO 450 Internship (6 or more)

Medical Technology

These 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

Bachelor of Arts degree in Business Administration offered. Areas of emphasis include: accounting, economics, finance, management, marketing, management information systems, and fashion marketing. Core requirements total 34 credit hours and are as follows: BA170, 200, 211, 212, 240, 320, 330, 350, 360, 370, and 430. (NOTE: BA430 is a culminating course.)

An additional 12 hours of advanced business electives (numbered in the 300s and 400s) are required. These electives may be concentrated in one area of specialization.

Accounting

BA200 Principles of 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.

BA 201 Principles of Accounting II (3) A basic study of accounting principles applies to corporations and partnerships; financial statement analyses and fund flows; and an introduction to the managerial uses of accounting. Prerequisite: BA 200.

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. Problems of balance-sheet valuations and their impact upon income statements; effects of judgment and opinion on the "fairness" of statement presentations. Prerequisite: BA 201.

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

BA 400 Auditing (3) Theory and application of generally accepted auditing standards and procedures used by independent public accountants. Responsibilities and ethics of the CPA as well as practical problems are examined. Prerequisite: BA 301.

BA 401 Principles of Income Taxation (3) Study of the Federal Income Tax laws as they affect individuals, partnerships, corporations, estates and trusts, in determination of the taxable income for computing the tax liability due. Prerequisite: BA 201.

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

BA 403 Managerial Accounting (3) courses is designed to provide students not concentrating in accounting with an understanding of utilization of internal accounting data for management planning and decision making. Prerequisite: BA 201.

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

BA 405 Governmental and Nonprofit Accounting (3) About 40 percent of all persons employed in the U.S. are employed by organizations operating under these accounting concepts. Any student planning to take the CPA, CTA, CMA examinations should have this course.

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

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)

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.

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.

BA 311 Managerial Economics (3) This course is designed to demonstrate the broad applicability of economic analysis to provide a 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 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 Multinational Corporations 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 and 370.

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 200, 210 or 212, 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 200, 210, 212 or 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 300 and completion of all-college mathematics requirement, including BA 370.

BA 432 Management and Society (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 for 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.

Management Information Systems

BA 240 Introduction to Data Processing (3) This course covers the need for data processing, basic design features of computers, historic development of computers, major components of computer systems, and the impact of computers on business management. The concept of programming and structured design methodology is explained and simple programming techniques in BASIC are presented.

BA 241 Computer Programming Logic (3) A study in methods of problem solving used in designing computer-based application programs, including system flowcharting, application program flowcharting, and structured techniques. Prerequisite: BA 240.

BA 340 COBOL Programming I (3) Computer programming for business applications in structured COBOL. Applications using sequential file techniques are written, compiled and executed on the computer. Prerequisite: BA 241 or permission of instructor.

BA 341 COBOL Programming II (3) Advanced computer programming for business applications in structured COBOL. Applications using multiple input files are written, compiled, and executed on the computer. Prerequisite: BA 340.

BA 440 Quantitative Methods (3) Introduction to quantitative approaches to solving management problems. Emphasizes recognition of management problems that can be cast in the form of optimization models. Also covers some commonly used methodologies used in business for estimating the demand for the output of the organization. Prerequisites: MTH 106 and 171 or equivalent.

BA 441 File and Data Base Management (3) This course introduces the concepts and techniques of structuring data on secondary storage devices. File processing techniques, including sorting and retrieval of random and sequential records are presented. The concepts of database organization and design are discussed, and experience with a database management system is provided. Prerequisite: BA 340.

BA 442 Principles of Management Information Systems (3) Explores various types of applications that are part of an information system. Illustrates the use of linear programming in Decision Support Systems and provides practical experience in data base processing. Emphasizes the interactive nature of the system analysis and design process. Presents the concept of the Systems Development Life Cycle. Prerequisites: BA 240, 340 or any other course in programming.

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

Management Science

BA 170 Microcomputer Applications (1) Course will familiarize students with microcomputers and teach them how to become competent microcomputer users. Course will introduce the fundamentals of MS-DOS commands and provide students with hands-on experience in using popular software packages which include word processing and spreadsheets. This is a lab course.

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. The course will emphasize the use of linear programming models in managerial decision-making. Formulating linear programming models and interpreting computer solutions will be stressed. The course will also present network, inventory and queueing models.

Marketing

BA 350 Principles of Marketing (3) Defining the marketing function to provide an understanding of the Macro and Micro view of presenting goods and services to the users. The Macro marketing view will encompass an interdisciplinary approach to the analysis of economic functions in which an organization offers its goods and services. The Micro marketing view will analyze the organization's preparation, goals, methods in presenting its goods and services in the market place. Emphasis is on the student gaining a working knowledge of the vocabulary, principles, and theory of marketing.

BA 351 Marketing Information Source and Research (3) An introduction to the various sources of data and information employed in planning and operating a marketing and sales program. Defining markets in terms of potential customers and geographic areas is examined. Consumer behavior and preferences, data collection systems and industrial data are reviewed. Methods of market and marketing research are developed. 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 451 Consumer Behavior (3) An analysis of consumer motivation, buying behavior, market participation, legal constraints, consumerism, etc. A survey of explanatory theories of consumer market behavior and producer reactions and problems. Developing methods of anticipation of consumer needs and wants, and research on consumer issues. 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) Development of the ability to identify, organize, and manage the marketing function in the organization. Analyze the interfaces of marketing as a function of the organization with the other functional areas of the organization. Identify marketing problems, investigate alternative solutions, and render decisions as a member of the marketing management team. Prerequisites: BA 350, 351.

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 multifaceted American society are reviewed. Prerequisite: BA 350.

BA 459 Directed Studies in Marketing (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, debtors' and creditors' rights. Prerequisite: BA 360.

Business Communication

BA 380 Business Communication (3) Business communications is the study of the principles of effective business writing. Emphasis will be placed on writing memorandums, letters and specialized reports, with an additional concentration on international business communications. Prerequisites: ENG 101, 102.

CHEMISTRY

Program Description

Requirements for the B.A. in Chemistry: 34 credit hours including one course in each of the following area: organic, inorganic, analytical and physical. Two mathematics courses (including MTH 172) and at least one physics course are required.

Courses of Study

CHM 111 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. This course is the prerequisite for BIO 112 and CHM 152. Laboratory work is included. Lab fee. (General Education course)



CHM 152 General Chemistry II (4) A continuation of CHM 111. Topics include stoichiometry, solutions, thermodynamics, kinetics, equilibria, and classification of the elements. Laboratory work is included. Lab fee. Prerequisite: CHM 111.

CHM 200 Pharmacology (2) This course deals with the use of drugs in the management of medical disorders and clinical situations, presenting information about modern medications in a manner relevant to the needs of nurses. Course topics include drug standards and legislation, pharmaceutical preparation of drugs, administration of medicines, autonomic, cardio-vascular, central nervous system, and psychotropic drugs, drug abuse, anesthetic agents, respiratory system drugs, histamines and antihistamines, fluids-electrolytes and nutrients, diuretics, antimicrobial agents, chemotherapeutics, antiseptics, serums and vaccines, sex hormones, enzymes and toxicology. No lab. Prerequisites: BIO 227, 228 and CHM 140.

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 balance, heat and energy balance, materials transport and the roles of a chemist in industry. No lab. Prerequisite: CHM 152.

CHM 341 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 152.

CHM 342 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 152.

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, radiochemical 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. Lab fee. 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 104.

CHM 381T Thermodynamics (3) A study of thermodynamics which emphasizes the concepts of equilibria, energy, and entropy and includes the first, second and third laws of thermodynamics with an introduction to the statistical approach to chemical energetics. No lab. Prerequisites: CHM 152 and MTH 172.

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 385T 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 471 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. Laboratory work is included. Lab fee. Prerequisites: CHM 361, 352 and PHY 304 (or PHY 152 with MTH 172).

CHM 472 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.

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 Communications and Mass Communications are offered.

Corporate Communications

The Corporate Communications undergraduate degree requires the following courses: (38 hours) BA 170, 330, 350, 452, 454, COM 100, 110, 240, 254, 303, 305, 307, 320 and 460. Electives (3-6 hours): COM 331, 340, 356 or 450.

Mass Communications

The Bachelor's degree in Mass Communications requires completion of the following courses: (29 hours) COM 100, 151, 240, 242, 254, 301, 304, 307, 401, 405 and 460. Four to ten hours of electives are to be chosen from: BA 452, 454, COM 270, 300, 301, 303, 305, 340, 342, 352, 356, 360 and 450. An emphasis in Radio-Television, Journalism or Public Relations requires 9 hours of additional coursework in area of interest. Radio-Television requires: COM 360 and (choose two) COM 342, 352 or 356. Journalism requires: COM 305, 340 and 342. Public Relations requires: COM 305, 308 and BA 452.

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.

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.

COM 181/ART 181 Beginning 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.

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.

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.

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.

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.

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.

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.

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) Pub. Rltns...Prerequisites: COM 100 and COM 242

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

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, COM 100, 110.

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 222.



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 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, COM 151. Suggested prerequisites: COM 254, 301.

COM 381/ART 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/COM 181 or consent of instructor.

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

ECONOMICS

See Business Administration

EDUCATION

Program Description

Lindenwood College is accredited by the National Council for Accreditation of Teacher Education (NCATE). 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 Degree Programs

Early Childhood (Pre-K through Grade 3)
Elementary (1 through 8)
Middle School (4 through 8)
Secondary (7-9, 7-12, K-12, K-9)

Art
Business Education (nonvocational)
English
Foreign Language (French, Spanish)
Journalism
Mathematics
Music (Instrumental, Vocal)
Science (Biology, Chemistry)
Social Studies
Speech and Theatre
Special Education (K-9, 7-12, K-12)
Learning Disabilities
Behaviorally Disordered
Mentally Handicapped
Early Childhood Special Education
Remedial or Special Reading

Those interested in the Middle School or 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, (3) Mentally Handicapped, and (4) Visually Impaired. Because these programs are demanding, one must carefully plan and sequence the courses in order to graduate in four years. This means working with 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.

EDU 201 Psychology of Adolescence (3) A study of physical, intellectual, emotional and social development during adolescence. Research studies given special attention include the study of 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. Identical with PSY 201.

EDU 206 Human Development (3) Study of the factors influencing the child's perceptual, motor, intellectual, language, social, and personality development from birth to maturity. Students will have the opportunity to study the behavior of children in Lindenwood's Preschool or in other community programs.

EDU 218 principles of Early Childhood 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 areas investigated and observed in the preschool setting. Curriculum and materials appropriate for early education will be emphasized, as are planning and executing activities for the preschool child.

EDU 246 Children's Literature (3) History and development of literature suitable for elementary school and high school students. Evaluation of current materials.

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

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.

EDU 299 Developing Learning Packages (2) A course to help teachers develop their ideas and put them into usable form as learning packages. Each participant will develop a learning package to teach a specific skill or concept that can be used by students in an independent study situation.

EDU 300, 301 (4) (4) Strategies and Tactics for Secondary Teaching. A study of theories of learning and human development and their influence on current classroom practices. Opportunities are given to practice a variety of teaching techniques. Classroom observations are an integral part of the course. Students must register for EDU 380 for 1 semester hour concurrently with EDU 301. Prerequisites: Sophomore standing and EDU 110 or concurrent registration.

EDU 303, 304 (4) (4) Strategies and Tactics for Elementary Teaching. A course designed to provide an integrated view of teaching, learning, and social behavior in the elementary school setting. The study of child psychology and educational psychology contributes to a more comprehensive understanding of learning as a process for developing desirable behavior in children within the school community. Classroom observations are an integral part of the course. Students must register for EDU 380 for 1 semester hour concurrently with EDU 304. 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 setting. 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 modern language-reading program. Various methods and appropriate 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 300 or 322 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 303 or 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 303 or 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 303 or 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 303 or 322 or consent of instructor.

EDU 314 Utilizing Parent and Community Resources (3) An exploration of the resources of the community and methods of incorporating them into the pre-school program. Parent resources and parent-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 218 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 instruments and techniques for assessing language development. Prerequisite: Junior standing.

EDU 318 Educational Psychology (3) A study of learning theories and their application to classroom learning. Emphasis is placed on knowledge of testing instruments, procedures and interpretation, techniques for evaluating student progress, and diagnosing and prescribing for individual need. Prerequisite: Prior Psychology course or consent of instructor.

EDU 319 Elementary Science Methods (3) A course designed to explore various methods, materials, strategies and processes used in elementary science programs. Students will be expected to develop and teach several science lessons in school settings. 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 322 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 206 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 300 or 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.

EDU 325 Perceptual Motor Development (3) This course examines the complex relationship between sensory perception and the development of gross and fine motor skills. The student will analyze 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 303, 218 or its equivalent.

EDU 330-338 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: At least one semester of Secondary Strategies or its equivalent. This course is offered in the second term of each academic year. Subjects available are:

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

EDU 339 Reading Methods For Early Childhood Education (2-3) An advanced course in reading methods with an emphasis on early childhood education. The course will emphasize the language experience approach, individualized instruction, divergent and elaborative thinking, and integrating reading into the entire curriculum. Activities will include a review of theory and practice, the development of a curriculum plan for reading in early childhood education, and follow-up activities for testing model lessons in a classroom situation. Prerequisite: EDU 305.

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 these 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 300 or 303 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 303, 218 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 301, 304 and 322 must enroll for one hour of practicum. Prerequisite: EDU 300 or 303 or consent of instructor.

EDU 384 Creating Curriculum and Materials for Early Childhood Programs (3) 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. Prerequisite: EDU 300, 218 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 these 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 410/411 Student Teaching (8-10) 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 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 203/PSY 203 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. Identical with PSY 203.



SED 302/PSY 302 Behavior Modification (2) 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 328 Methods of Teaching Children with Learning Disabilities (3) Methods and materials needed in teaching learners with learning disabilities in special education programs are studied. Both commercial and teacher-developed materials are examined. Practical work is expected. Prerequisites: EDU 341 and SED 335.

SED 329 Methods of Teaching Mentally Retarded Children (3) 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. Practical work is expected. Prerequisites: EDU 341, SED/PSY 302.

SED 331 Methods of Teaching Behaviorally Disordered Children (3) 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. Prerequisites: EDU 341, SED/PSY 302.

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.

SED 335 Principles of EMR/LD (3) In this course the student will examine the theories, classification systems, assessment techniques, and remediation programs related to the education of the Educable mentally Retarded and the Learning Disabled. The course also enables students to consider the commonalities and differences in principles in these two fields of special education. 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 203.

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. There are no prerequisites.

SED 355 Methods and Materials for Teaching the Visually Impaired (2) Introduction to the literature, history, principles, programs, practices and problems in the field. Administrative, curricular and methodological adaptations for various educational programs. The education of children with visual impairments and other accompanying disabilities is studied.

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 experiential needs of students. Prerequisites: fulfillment of college math requirements, EDU 303 or 322, and 312.

SED 375 Introduction to Behavior Disorders (2) In this course, the student will examine the theories, classification system, characteristics, historical data and resources related to the education of the behavior disordered student.

SED 376 Introduction to Learning Disabilities (2) In this course, the student will examine the theories, classification system, characteristics, historical data and resources related to the education of the learning disabled.

SED 377 Introduction to Mentally Handicapped (2) In this course, the student will examine the theories, classification system, characteristics, historical data and resources related to the education of the mentally handicapped.

SED 378 Introduction to the Education of the Visually Handicapped Child (2) Introduction to educational programs, services and resources for blind and partially sighted children, exploration of historical background, literature, philosophy, sociology and psychological aspects of blindness.

ENGLISH

Program Description

A major in English requires 33-36 semester hours in English exclusive of ENG 101, 102, 201, and 202. English as a double major may be obtained by completing 24 hours. The following courses are required for the major: ENG 204, 205, 206, 235, 236, 333 or 334, and 354, plus 12 hours of a foreign language. Consult the English department faculty regarding minors in English.

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. (General Education course)

ENG 102 English Composition II (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. (General Education course) Three sections with different emphasis 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.

ENG 201 World Literature and Ideas 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. (General Education course)

ENG 202 World Literature and Ideas 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. (General Education course)

ENG 204 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.

ENG 205 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.

ENG 206 English Literature 1660 to 1900 (3) Required for the English major. A continuation of English 205 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.

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 232 The American Writer and The American Scene (3) A study of two or more American writers within the context of the social and political period in which they lived.

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.

ENG 236 American Literature II (3) Required for the English 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.

ENG 247/EDU 247 Adolescent Literature (2-3) History and development of literature suitable for the secondary school (junior and senior high). Evaluation of current materials.

ENG 291, 292, 293 Independent Study (1-3) A program of study in literature, linguistics, or criticism designed by the student under the direction of a member of the English faculty. Prerequisite: Sophomore standing or above.

ENG 302 Advanced Writing of 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 should complete bibliographies and papers in selected area of their interest. Prerequisites: ENG 101, 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 fore-runners of the novel in the narrative tradition since the Homeric era.

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.

ENG 316 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.



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.

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 tragicomedies of Shakespeare, together with selected plays by other Tudor and Stuart dramatists.

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.

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*.

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.

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

ENG 345 Folklore and Fables: The Telling of Tales (3) A cross-cultural course dealing with the art of storytelling and with the role of the storyteller in society. Readings will include parables and fairy tales, selections from epics, selected tales from *1001 Arabian Nights*, from Boccaccio and Chaucer, and Lewis Carroll's *Alice's Adventures Underground*.

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.

ENG 348 Avant-Garde Drama in Early Twentieth Century Europe (3) A study of the Avant-Garde, Surrealist, Epic and Absurd theatre movements in terms of their plays, their various manifestos, and their aesthetic relationships to the wider European culture of first half of the Twentieth Century. Included are plays by authors ranging from Jarry, Maeterlinck and Cocteau to Strindberg, Artaud and Ionesco.

ENG 350 Myth and Civilization (3) An introduction to the myths that have been understood as origins of western 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.

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.

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: Six hours of literature or permission of instructor.

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.

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 101, 102.

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*.

ENG 375 American Lives: Autobiography (3) A study of autobiographical literature written by a broad spectrum of Americans. The philosophies, values, defeats, triumphs and destinies of the writers as Americans will be considered.

ENG 376 Popular Culture (3) A study of the history of popular tastes in literature, art, and the electronic mass media, with emphasis on methods of analyzing their popular appeal. Readings will include the dime novel adventures of Buffalo Bill, Davy Crockett, and Horatio Alger, as well as such best sellers as *Little Women* and *Gone With The Wind*. Popular film and situation television comedy will also be explored.

ENG 378 Literature of Developing Countries (3) Contemporary literature of developing countries in Asia, Africa, Central and South America. The literature will be a focal point for revealing third-world values, problems, and assertions of identity.

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.

ENG/HUM 389 Classicism and its English Romantic Tradition (3) An off-campus, special term course. A study of ancient Greek art, architecture, and literature in terms of the idea of the classical, and of the adaptation of that idea in the form and content of selected works by such English writers as Chaucer, Milton, Pope, Arnold and Joyce. Involves travel in Greece with stays of some length at Heraklion, Nauplion, Olympia, Delphi and Athens.

ENG/HUM 390 The Discarded Universe (3) An off-campus, special term course. A study of Medieval and Renaissance art, architecture and literature as they reflect and synthesize the pre-Copernican views common to all knowledge in those periods. The principal objective of the course is to obtain a sensibly accurate historical perspective for the understanding and appreciation of Medieval and Renaissance art, literature and music. The class will travel together, with stays of some length in Paris, Venice, Ravenna, Florence and Rome.

ENG 391, 392, 393 Independent Study (1, 2 or 3 hours) A program of study in literature, linguistics or criticism designed by the student under the direction of a member of the English faculty. Prerequisite: Junior Standing or above.

ENGLISH AS A SECOND LANGUAGE

Course Scheduling and Placement

All International students, regardless of their TOEFL scores, must undergo additional testing on campus to assure appropriate placement. Internationals may take a full academic load if they have achieved a 500 TOEFL. Students with TOEFL scores between 450-500 must take the advanced ESL workshop. Qualified advanced students may also take selected academic courses concurrently with ESL with permission from the International Student Coordinator.

Courses of Study

ESL 391 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 392 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 393 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.

ESL 395 Business English for International Students (3) The goal of this course is to help international students develop the skills they need to use English correctly when they return to their home countries. Emphasis is upon helping students strengthen their abilities to communicate accurately and effectively, both orally and in writing. The course includes the review of important grammatical structures; the preparation of standard written business communications; memos, letters, and reports; the discussion of current issues in international business; and the oral presentation of individual and group projects.

FASHION MARKETING

Program Options

A student may choose one of two ways to complete the Fashion Marketing Program:

1. as a candidate for a Bachelor of Arts degree with a dual concentration in Business Administration and Fashion Marketing; or
 2. as a candidate for a Bachelor of Arts degree with a dual concentration in Fashion Marketing and Fashion Art.
- Other combinations of majors are possible on an individualized basis.

Requirements for the Major in Business Administration with a concentration in Fashion Marketing:

BA 170, 200, 201, 211, 212, 240, 320, 330, 331, 350, 360, 370, BFM 171, 173, 272, 274, 276, 371, 372, 373 plus two Fashion Marketing electives.

Requirements for the Major in Fashion Marketing and Fashion Art:

Same as for BA in Business Administration with a concentration in Fashion Marketing, plus ART 106, 108, 136, 181, 218, 219, 300, 330 (6), 381, and one Art History elective, BA 240 and 330.

Courses of Study

BFM 171 Introduction to Fashion Marketing (3) Studies the types of enterprises, operations and interrelations that are involved in the fashion business. The course focuses on the development and trends of the major sectors of the marketing of fashion.

BFM 173 Textiles (3) Identifies the importance of textile products for various end uses. Analyzes the properties and interrelationships of fibers, yarns, fabric constructions, and processing.



BFM 272 Consumer Behavior in Fashion (3) Explores consumer behavior and how it relates to the marketing of fashion, covering the application of motivating influences, as well as consumer branding and fashion adoption.

BFM 274 Merchandise Planning and Control (3) Covers the concepts, calculations, and strategies necessary to successful merchandising, including retail method of inventory, operating statements, techniques of planning seasonal purchases, figuring markups, turnover, open-to-buy, markdowns, as well as terms of sale. Prerequisite: BFM 171 or permission of the instructor.

BFM 275 Non-Apparel Fashion Marketing (3) A course to familiarize students with aspects of product knowledge important to the merchandising of non-apparel fashion accessories and home furnishings.

BFM 276 History of Fashion (3) Explores dress in the historical periods from biblical to the third quarter of the twentieth century; the relationship of dress to its era and other art forms; developments leading to the modern fashion industry.

BFM 371 Fashion Merchandising: Principles and Techniques (3) Analyzes the buying function and the differences in buyers' responsibilities in various types of merchandising organizations; studies the methods used by merchandisers of fashion goods in determining what assortments to buy and which resources to select. Prerequisites: BFM 171, 274.

BFM 372 Survey of Retail Operations (3) Explores the operational functions as related to running of retail firms, including store management, construction, personnel; explores career opportunities in these areas. To be taken the same semester as BFM 373, if possible.

BFM 373 Work/Study Internship (3) An opportunity to apply first-hand the skills that the student has developed in the classroom. The student will be exposed to all phases of merchandising during his/her work/study experience. Internships will be a minimum of six weeks long. Prerequisites: BFM 171, 173, 272, 274.

BFM 374 Survey of National and/or International Markets (3) Students will have an opportunity to enroll in a class which will meet in one of the major fashion centers of the United States. This trip will include visits to manufacturers, retail stores, and buying offices. The trip also will give the student insight into the cultural and social institutions that influence fashion by visiting museums and attending the theatre. Prerequisite: Sophomore standing or permission of instructor.

BFM 375 Retail Sales Promotion and Advertising (3) Principles and methods of advertising and promoting fashion merchandise. Students analyze advertisements, displays, publicity, and other promotional practices of leading retail and wholesale firms.

BFM 376 Fashion Planning and Coordination (3) Students prepare and present fashion information through clinics, shows, and written communications. The students learn how to research, analyze, and forecast fashion trends.

BFM 377/ART 108 Color Theory and Design (3) A study of the properties of color and the optical effects in perception. The application of color theory through design problems using color papers and other media.

BFM 378/ART 218 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.

BFM 379 Display Principles and Techniques (3) Introduction to modern display techniques, equipment, and materials. Basics of design and decoration for window and interior displays in department and specialty stores.

BFM 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 images and trends and the business of fashion photography will be discussed. Lab fee. Prerequisite: ART 181 or other experience in photography.

BFM 479 Special Topics in Fashion Marketing (3)

FOREIGN LANGUAGES

A major in French or Spanish is offered. Program requirements are as follows: a minimum of 24 credit hours, 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.

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.

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.

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.

FLF 311, 312 French Conversation and Composition I, II (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 211.

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. 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.

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.

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.

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.

FLG 311, 312 German Conversation and Composition I, II (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.

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.

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.

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.

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.

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.

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

FLR 201 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.

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.

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.

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 selections. Prerequisite: FLS 102.

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.



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.

FLS 301 Introduction to Spanish Literature I (3) An introductory study and analysis of selections of the most important literary works of Spanish literature from the Middle Ages to the Golden Age. Prerequisite: FLS 311.

FLS 302 Introduction to Spanish Literature II (3) An introductory study and analysis of selections of the most important literary works of Spanish Literature from the Romantic Age to the present. Prerequisite: FLS 311.

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 life 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 Latin American peoples. Emphasis on the social, economic and intellectual life of Latin America today. Prerequisite: FLS 202.

FLS 367 Introduction to Spanish-American Literature I (3) An introductory study and analysis of selections of the most important literary works of Spanish-American Literature from the Pre-Columbian period to the nationalist movement. Prerequisite: FLS 311.

FLS 368 Introduction to Spanish-American Literature II (3) An introductory study and analysis of selections of the most important literary works of Spanish-American literature from the Romantic period to the present. Prerequisite: FLS 311.

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. Prerequisite: FLS 311.

GEOGRAPHY

GEO 201 World Regional Geography (3) A survey of the major areas of the world divided along political boundaries, with emphasis on the impact of the physical environment on man. In particular, the course stresses the problems of population, food supply, resources, and economic disparities among nations.

HISTORY/ POLITICAL SCIENCE

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.

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.

Courses of Study

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. (General Education course)

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. (General Education course options)

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.

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 century. 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.

HIS 205, 206 History and Culture of Asia I, II (3) (3) A two-semester survey course focusing on South, East, and Southeast Asia. The first semester will explore the prehistory, languages, history, and culture of South Asia and China up to the modern period. The second semester will focus on the prehistory, languages, history, and culture of Japan and Southeast Asia.

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 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.

HIS 225 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) A survey of major European intellectual developments since the Enlightenment.

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 Europe 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.

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. (General Education course option)

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.



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.

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.

PS 225 Political Policy (3) an examination of selected case studies and issue areas analyzing the structures, processes and consequences of policy making by public institutions and organizations. Focus on state, national or legal decision-making bodies will be at the option of the instructor.

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 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) Organization, functions and development of American political parties; activities and influence of interest groups on party structure and policies; analysis of major concepts of opinion formation, voter motivation, and behavior. Prerequisite: PS 155 or consent of instructor.

INTERNATIONAL STUDIES

Program Description

The International Studies 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.

LEARNING ASSISTANCE CENTER

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 from these fundamental courses toward their degree completion. Therefore, a student who is assigned to all three courses will have a 126 semester hour program for graduation.

COL 051 Fundamentals of Reading (2)

COL 052 Fundamentals of Writing (2)

COL 053 Fundamentals of Mathematics (2)

MATHEMATICS & COMPUTER SCIENCE

Program Description

Baccalaureate degrees in both Mathematics and Computer Science are offered. The Mathematics curriculum for the major include: MTH 171, 172, 303, 301, 315, 321, CSC 101, 102, PHY 301 and 302, plus nine hours of 300-level math courses. A minor in Mathematics is also offered.

The Computer Science degree requires 24 semester hours as follows: CSC 101, 102, 303, 304, 305, 406, 407, 408, MTH 106, 171, 172 and 321. A Computer Science minor is also available.

Courses of Study

Mathematics

MTH 102 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. Prerequisites: One year of high school algebra.

MTH 104 Trigonometry and Elementary Functions (3) The basic elements of trigonometry and trigonometric functions will be studied, as a preparation for calculus. Prerequisite: MTH 102.

MTH 106 Basic Statistics (3) An introduction to the theory and application of statistics, including probability, descriptive statistics, random variables, expected values, distribution functions, and hypothesis testing.

MTH 111 Concepts in Mathematics (3) An introduction to the basic language and concepts of mathematics which emphasizes axioms, logic and proof. Topics include sets, number systems, informal and formal logic, the nature of proof, functions and relations, mathematical induction. (General Education course)

MTH 140 The Development of Mathematics (3) This course considers the development and cultural role of important mathematical ideas. Topics include the evolution of the concept of number, the development of calculus, the science of space, euclidean and non-euclidean geometry.

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 104.

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 111, 172, CSC 102.

MTH 301 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. Prerequisite: MTH 172. Recommended: MTH 303.

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 305, 306 Analysis I, II (3) (3) A rigorous study of real functions of one and several variables. This course will focus on reexamining calculus, and proving the basic theorems and then extending the basic ideas of convergence. Topics include theoretical review of calculus, convergence in normed vector spaces, Stone-Weierstrass theorem, approximation, Fourier Series. Prerequisites: MTH 111, 172, 315.

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 111.

MTH 320 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 111. Recommended: MTH 315.

MTH 321 Discrete Mathematics (3) The language of set theory and the tools of logic are used to study important aspects of discrete (rather than continuous) mathematics. Topics include number theory, combinatorics, graphs, trees, finite state machines, boolean algebra, and coding theory. Prerequisite: MTH 111. Recommended: MTH 172.

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 111, 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, 301, 315.

Computer Science

CSC 101 Computer Science I (3) This course introduces the fundamental ideas of Computer Science, including computer organization, data storage, programming as a problem solving activity, top-down design, and methods of algorithm development. The high-level programming language Pascal is taught and used to design, code, debug, and document programs. Good programming style is emphasized heavily throughout.

CSC 102 Computer Science II (3) This course continues the analysis of problems and the development of algorithms started in Computer Science I. This is the first course in Data Structures and Algorithms. The course introduces topics such as recursion, internal sorting and searching, fundamental string processing, simple data structures including stacks, queues, lists, trees, and the algorithms to manipulate them. Prerequisite: CSC 101.

CSC 220 UNIX Workshop (1) A one-credit workshop in the fundamentals of the UNIX™ 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 the `noff`, `awk`, `yacc`, `lex`, `tbl`, and mail utilities. Prerequisite: CSC 102.

CSC 221 Language Workshop (1) A one-credit 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, Basic, Lisp, Fortran 77, Prolog, Ada, and Modula-2. 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 111, 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 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. The assembly language used is that of the PDP-11, with comparisons to the VAX-11. Prerequisite: CSC 102.

CSC 304 Computer Architecture (3) This course provides a detailed examination of computer architecture. Topics include logic design, processor control, microprogramming, the memory hierarchy, input/output organization, arithmetic, computer communications, and microprocessor architecture. Machines studied include the DEC PDP-11, VAX-11, IBM 370 Series, Hewlett Packard HP3000, Intel 8086 and Motorola 68000. Prerequisite: CSC 303.

CSC 305 Principles of Database Systems (3) This course introduces the concepts and techniques of structuring data on secondary storage devices, file processing technique, data base organization, design, and manipulation using the relational, network, and hierarchical models. Particular attention is paid to the relational model and relational algebra. The INGRES data base management system is primarily used for laboratory work, but students also use the Oracle and DBASE III relational database systems. Prerequisites: CSC 102, MTH 111.



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, MTH 111.

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, concurrency, and distributed systems. The specific operating systems studied are *UNIX*, and *VAX/VMS*. There is a laboratory component to the course. Student projects include writing a simulation of processor scheduling, a device driver, or the kernel of a simple time-sharing operating system. Prerequisites: CSC 304, MTH 106.

CSC 407 Data Structures and Algorithms (3) Devoted to advanced algorithms, this course continues and deepens the study of data structures and algorithms begun in CSC 102 Computer Science II. Topics include linked data structures, such as trees and generalized lists, and graphs, records and files. Algorithms are developed to perform internal sorting, searching, union and find operations. Dynamic storage allocation is stressed. Time and space requirements for the algorithms are derived and complexity theory is introduced. Prerequisites: CSC 102, MTH 321.

CSC 408 Organization of Programming Languages (3) This course introduces programming language constructs from the point of view of the language designer. Topics include language definition, syntactic and semantic definition languages, data types and structures, control structures and the power of control structures, interpretive languages, functional languages, lexical analysis and parsing. The laboratory component of the course usually involves writing a parser for a small structured procedural programming language. 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 Performance Evaluation of Computer Systems. The course may be repeated for credit. Prerequisite: Completion of the Computer Science major.

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 160 Microcomputers in the Laboratory (3) This course provides the background necessary for the noncomputer scientist/teacher to incorporate microcomputers into the laboratory setting. To accomplish this, each participant builds and learns to program a microcomputer. This computer remains the property of the student. Hands-on experience in connecting apparatus to the computer is provided. Applications include data logging, timing, process control, automated data collection, image transfer to the computer, and analog to digital conversion. Prerequisite: Consent of instructor. Lab fee includes the cost of the computer.

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.

PERFORMING ARTS

Program Description

The department offers majors in music, theatre arts and an interdisciplinary major in performing arts. All music majors must pass a piano proficiency exam. Consult music department faculty for details. Requirements for the major in Music (45 hours) are as follows: MUS 110, 111, 112, 131, 132, 231, 232, 165, 355, 356, 6 hours of literature of major instrument, 16 hours in applied major (including MUS 305, 405, senior and junior recitals) and 4 hours of electives in applied minor. The major in Music Education/Certification totals 55 hours and includes: MUS 105, 106, 107, 108, 110, 111 or 112, 131, 132, 231, 232, 165, 350, 355, 356, 360, 383, 384, 8 hours of electives in applied major, 4 hours of electives in applied minor. Those interested in a minor in Music should contact department faculty. The Performing Arts major includes coursework in Dance, Music and Theatre. Requirements are (51-60 hours) including: TA 101, 201, 206, PA 201, 202, 3 hours in applied music, voice or piano, 9 hours of dance including TA 350, 3 hours of dramatic literature, 3 hours of technical theatre or design to be selected from Theatre courses or ART 108 or 136, and 15-24 hours of departmental electives. The Theatre Arts major coursework includes: TA 100 and/or 102, 101, 111, 112, 105 or 140, 206, 216, 201, 202, 6 hours of dramatic literature to be chosen from advanced level Theatre or fee elective English courses, plus 27-33 hours in either Performance or Design/Technical emphasis as listed below:

Performance Emphasis: TA 201, 306, 105 or 140, 3 hours from department offerings or ART 108 or 136, and 15-21 hours of studio and advanced level department electives including 9 hours from TA 301, 302, 401, 402, 406.

Courses of Study

Music

MUS 101, 201, 301, 401 Piano (1-2) Private Lessons

MUS 102, 202, 302, 402 Organ (1-2) Private Lessons

MUS 103, 203, 303, 403 Voice (1-2) Private Lessons

MUS 104, 204, 304, 404 Instrument (1-2) Private Lessons

Private Lessons. Lessons are typically available in nearly all standard orchestral instruments and some non-standard ones. Students should inquire at the Department office for current offerings.

MUS 105 Instrumental Techniques: String (1) The teaching of violin, viola, cello, and bass in the classroom.

MUS 106 Instrumental Techniques: Woodwinds (1) The teaching of the clarinet, flute, oboe, saxophone, and bassoon in the classroom.

MUS 107 Instrumental Techniques: Brass (1) The teaching of the trumpet, trombone, and horn in the classroom.

MUS 108 Instrumental Techniques: Percussion (1) The teaching of percussion instruments in the classroom.

MUS 110 Choral Ensemble (1) Open to all students with permission of instructor.

MUS 111 Madrigal Ensemble (1) Participation in the performing and production ensemble for madrigal dinners produced each December. Prerequisite: audition.

MUS 112 Instrumental Music Ensembles (1) Open to all students by audition.

MUS 113 Show Choir (1) Participation in the performing and production ensemble for one or more spring semester concerts involving the musical theatre repertoire. Prerequisite: audition.

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 130/PA 130 Introduction to Music Theory (3) Fundamentals of harmony, sight-singing, and diction. No music majors will receive credit for MUS 130 if they fail to meet the proficiency requirements for Music Theory 131.

MUS 131, 132 Music Theory I, II (4) (4) Develop skills of harmony, sight singing, and ear training. Includes lab. Prerequisite: MUS 130, or passing music theory proficiency exam.

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.

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. (General Education course option)

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.

MUS 231, 232 Advanced Music Theory I, II (4) (4) 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.

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 305 Junior Recital (1)

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.

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.

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 391 Counterpoint II 18th Century (3)

MUS 405 Senior Recital (1)

Note: The letter T following the course number indicates a tutorial course which is offered at a time to be determined between the instructor and the student.



Performing Arts

PA 130/MUS 130 Introduction to Music Theory (3) Fundamentals of harmony, sight-singing, and dictation.

PA 201 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: ENG 102, HIS 100 or concurrent registration. (General Education course option)

PA 202 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: ENG 102, HIS 100 or concurrent registration. (General Education course option)

Theatre Arts

TA 100 Theatre Practicum (1) Practical work on stage productions. Open to all students. May be repeated.

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.

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.

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.

TA 108 Introduction to Theatre Design (3) An introduction to the processes of theatre design in set, costume, and lighting for the acting/directing or non-major student who wishes to understand the major concepts of theatre design.

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.

TA 117 Appreciation of Theatre (3) Understanding forms of drama, basic acting techniques, the relationship of performer to audience, technical theatre, and how to view a play. Primarily an observation and discussion course for persons interested in learning about theatre, rather than participating in it.

TA 120 Concepts of Theatre and Dance (3)

TA 140 Introduction to Dance I (3) An introduction 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.

TA 141 Introduction to Dance II (3) Continuation of TA 140. Prerequisite: TA 140 or permission of instructor.

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.

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.

TA 205 Stage Combat (3) Theory and studio exercises in armed and unarmed stage combat. Prerequisite: TA 105 or 201.

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.

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 a 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.

TA 210 Stage Management (3) A course exploring the professional and educational requirements of the Stage Manager. The course will include practical application on the mainstage and studio as well as professional guest lecturers.

TA 211 Problems in Technical Theatre (3) Study and practice of theories and skills in set construction, scene painting, and lighting instrumentation. Prerequisite: TA 112 or permission of instructor.

TA 212 Stage Costuming (3) Study and practice of basic skills of construction, purchasing, fitting of stage costumes including pattern drafting, draping, alterations, and interpreting designer sketches. Prerequisite: TA 112 or permission of instructor.

TA 216 Stage Make-Up (3) Study and practice in the art of theatrical makeups. Progress from straight to character makeup techniques.

TA 217 History of Costume (3) Course traces the styles of human dress in world culture from the Biblical era to the mid-20th Century.

TA 240/241 Intermediate Dance I, II (3) (3) Emphasized improved technical and performance ability, movement qualities, phrasing and knowledge of choreographic diversity and potential. Prerequisite: TA 141 or permission of instructor.

TA 293 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 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) (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 Studio 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 311 Advanced Problems in Technical Theatre (3) Continuation of TA 211 at advanced level with emphasis on sets and lighting used in actual performance. Prerequisite: TA 211.

TA 312 Advanced Stage Costuming (3) Advanced technical course in costume construction. Students learn the advanced techniques of pattern drafting, draping, millinery, and other construction skills. Prerequisite: TA 209.

TA 332 Special Studies in Theatre History (3) In-depth study of a particular period or country in theatre history. Prerequisites: PA 202 and consent of instructor.

TA 335 Modern Drama (3) Study of the developments in western theatre and drama from the origins of modern drama to the present. Prerequisites: PA 202 and consent of instructor.

TA 336 Survey of Dramatic Literature (3) All major periods of the Western World from ancient Athens to the present. Prerequisites: ENG 201-202.

TA 340/440 Dance Theory (3) (3) Advanced level dance courses. Emphasis on continued artistic growth, personal expression and knowledge of dance aesthetics and criticism. Prerequisite: TA 241 or permission of instructor.

TA 345 Studio in Dance Styles (3)

TA 350 Theory & Composition of Dance (3) Emphasis on principles of choreography, awareness of personal movement styles, thematic and conceptual material for dance, rehearsal, and editing of dances and the interaction of dance with the other arts including music, painting and poetry. Prerequisite: TA 240 or permission of instructor.

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 403 Studio in Acting Styles (1-3) Advanced acting concentrating on a specific style, period, or genre at decision of instructor. May be repeated with permission of department chairperson.

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.

TA 410 Introduction to Arts Management (3) Treats a broad range of arts management areas, including box office, advertising and public relations, fund raising, facilities and personnel management, arts programming and contracts. Prerequisite: TA 111 and 117 or permission of instructor.

TA 430 Advanced Internship (3-9) The student works at a local theatre in the area of Theatre Management, Stage Management, or Technical Theatre. Prerequisites: Acceptance into the company, consent of instructor, and TA 230.

TA 432 Seminar in Theatre History (3) Special in-depth study of specific styles in drama, designed for the student who wishes to pursue graduate studies in this area. Prerequisite: Consent of instructor.

TA 493 Independent Study (3) Special study of a specific area of theatre as related to the student's special interests. Topic developed by student in consultation with advisor and supervising faculty member. May be repeated.



PHILOSOPHY AND RELIGION

Courses in Philosophy and Religion are offered in the Humanities 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 101 Ancient and Medieval Philosophy (3) This course is designed to acquaint students with the major figures and ideas in ancient and medieval philosophy. Among the issues to be addressed will be the nature of philosophy, theory of knowledge, metaphysics, proofs for the existence of God, the nature of time, the problem of universals. Attention will also be given to the closing of the schools, the rise of the universities, and the entry of Aristotle into the west. These ideas and events will be treated through the works of the following philosophers: Plato, Augustine, Peter Abelard, Thomas Aquinas, Aristotle, Anselm, Roger Bacon, William Ockham.

PHL 202 Logic (3) A study of the principles and techniques of analytical and logical thought and expression. The methods of inductive and deductive reasoning are examined as a foundation for exactness in thinking and precision in the use of terms and propositions. The investigation is pursued along both theoretical and practical lines with emphasis on development of problem-solving skills.

PHL 204 Ethics (3) This course is designed to acquaint students with the major ethical theories of western civilization through the works of Aristotle, the Stoics, Immanuel Kant, Utilitarians, John Rawls, and contemporary moral contractarians.

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 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.

PHYSICS

Program Description

Courses in Physics are offered in the Natural Science and Mathematics Division. No Physics major is offered.

Courses of Study

PHY 120/MUS 120 Acoustics and the Sound of Music (3) An examination of the science of acoustics as applied to musical sound: the physiological reception of sound, the acoustical properties of environment, and the acoustical behavior of musical instruments. No prior knowledge of physics will be required; some background in music is helpful.

PHY 140 Light and Color (2) A description of the physical nature of light, color, color vision and geometric optics with limited use of mathematics. This course is intended for the non-science students such as those interested in art, photography, stage lighting, television, fashion design and psychology.

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. Includes a two-hour laboratory. 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.

PHYSICAL EDUCATION

Students may enroll for up to four (4) semester hours of physical education courses in the process of completing their baccalaureate degrees. Participation as team members on our varsity or junior varsity teams can qualify for one credit per sport.

- PE 101.42 Team Football (1)
- PE 102.42 Team Soccer (1)
- PE 103.42 Team Baseball (1)
- PE 104.42 Team Track & Field (1)
- PE 105.42 Team Cross Country (1)
- PE 106.42 Team Basketball (1)
- PE 107.42 Team Volleyball (1)
- PE 108.42 Team Softball (1)
- PE 109.42 Team Tennis (1)
- PE 121.11 Weight Training (1)
- PE 121.12 Weight Training (1)
- PE 122.11 Lap Swimming (1)
- PE 123.11 Senior Lifesaving Certification (1)
- PE 124.11 Aerobic Dancing
- PE 125.11 Cheerleading (1)
- PE 126.11 Flag Football (1)
- PE 127.11 Fun Run (1)

POLITICAL SCIENCE

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 234, 330, 324, 332, 335. Consult department faculty regarding the Psychology minor.

The degree in Human Resource Management requires: SS310, BA 200, 201, 211, 212, 240, 320, 330, 334, 350, 360, PSY 100 or 101, 209, 310, 300, 302, 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. (General Education course option)

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 201 Psychology of Adolescence (2) 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 202 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.

PSY 203/SED 203 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.

PSY 209 Conflict Management (2) An experiential approach to skill development in the following areas: managing conflict in the work situation, group problem-solving strategies, overcoming resistance to change, fore-field analysis of conflict, open communication techniques and participant management. This course is particularly appropriate for students interested in careers in business and personnel management. Not available to students who have taken PSY 310.

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 234 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.

PSY 262 Death and Dying (1) An exploration of the physical, emotional, psychological and social ramifications of the process of dying. Included are considerations of socially prescribed attitudes and ritual, existential crises, and case studies of the death experience. Students will review and discuss current psychological theories and research on dying.

PSY 265 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.



PSY 300 Research Methods in Psychology and the Social Sciences (4) A course in the techniques of behavior observation and 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. Prerequisite: SS 310.

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 310 Managerial 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. Not available to students who have taken PSY 209.

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 the methods used to generate the data. 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 340 Altered States of Consciousness (1) Research will be done in the area of hypnosis, meditation and biofeedback. The students will work in small groups to complete both a review of current literature and an empirical study. A discussion seminar format is employed to evaluate the literature, and students will prepare research reports. Prerequisite: PSY 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 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 324 Psychological Testing-B (4) The same course as PSY 324; however, the term project will involve learning to administer, score and interpret one of the most frequently used tests of individual abilities: WISC, Stanford Binet. Prerequisite: Two prior courses in education and psychology.

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.

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. Each student will conduct a thorough literature review of a general topic and write the equivalent of one chapter of an introductory psychology textbook. Also, professional issues and ethics will be covered. Prerequisites: PSY 100 and Junior standing.

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, and parametric and nonparametric hypotheses-testing techniques. Prerequisite: MTH 106 or permission of the instructor.

SOCIOLOGY/ ANTHROPOLOGY

Program Description

The department offers a degree in Sociology. Major requirements include: (27-42 hours) ANT 112, SOC 102, 320, 325 and SS310 (optional). Consult department faculty for details on Sociology and 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. (General Education course option)

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 evolution of various cultures throughout the world. (General Education course option)

ANT 122 Human Evolution: Biology and Culture (3) This course combines the fields of physical anthropology and archaeology. Evidence will be presented from these two fields in a study of the biological and cultural evolution of humanity.

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 North 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 215 Major Institutions in American Society (3) An examination of the current situation in our social institutions—education, economy, government, religion, and social services (including medicine and welfare)—emphasizing their interaction with each other, their common bureaucratic problems, and the balance between professionalism and voluntary efforts.

SOC 230 The Sociology of Law (3) Study of the legal system as a sub-unit of society. The effect of law on social change; the impact of societal attitudes and trends on the making of law in such areas as civil rights, abortion, use of controlled substances, and other areas of current legal change. The societal roles of legal actors: lawyers, police, judges, juries.

ANT 234 Islamic Societies and Modernization (3) An introduction to Islamic societies of the Near East, South and Southeast Asia. The course will focus on the Islamic religious, political, economic, and social traditions. Both historical and contemporary trends in the Islamic world will be analyzed.

SOC 240 The Sociology of Sex Roles (3) Female and male are biological categories; femininity and masculinity are socially-defined roles. Cross-cultural variations in sex-role definitions; evolving historical trends; societal pressures to conformity; role of innovation; interaction between changing sex roles, and the genesis of social movements; ethnic, class and life-cycle differences.

SOC 245 World Population Trends (3) An introduction to issues regarding population trends throughout the world. Methods of population research and the results of such research will be introduced. Variables which influence population change will be examined. Consequences of population changes on social institutions will be investigated.

SOC 318 Race and Ethnicity (3) An examination of the fundamental causes of inequality and stratification. Selected issues in contemporary American society, including class, race and ethnicity. The evaluation of various strategies for altering patterns of inequality. Prerequisite: SOC 102 or ANT 112.

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 322 Deviance and Social Control (3) Deviance is defined as behavior which violates social norms. Its social creation, functions, designations, and organization are studied, as well as its regulation and control by society. Prerequisite: SOC 102 or ANT 112.

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)

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Bittner, Groff Stewart, Associate Professor, Music, 1961; B.S., Mus.Ed., Indiana Central College; M.M., Indiana University; Doctoral Studies, University of Missouri-Kansas City; piano performance with Ozan Marsh, Patricia Denkman, Leah Sadowsky, Walter Cook.

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Dooley, John F., Assistant Professor, Mathematics and Computer Science, 1984; B.A., Lindenwood College; M.S., Syracuse University; M.E.E., Rice University.

Eckert, W. Dean, Professor, Art, 1968; B.A., B.F.A., M.A., Ohio State University; Ph.D., University of Iowa.

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