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UNIVERSITY**

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2016-2017

Graduate Catalog

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Illinois State University

Graduate Catalog 2016-2017

Effective May 16, 2016

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NOTIFICATION OF RIGHTS UNDER FERPA AND PUBLIC NOTIFICATION OF DIRECTORY INFORMATION

Notification of Rights under FERPA for Postsecondary Institutions:

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

(1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

A student should submit to the University Registrar a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(3) The right to provide written consent before the University discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The University discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in

order to fulfill his or her professional responsibilities for the University.

Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

5) Illinois State University will, upon written request, disclose to the alleged victim of any crime of violence or a non-forcible sex offense, the results of any disciplinary proceeding conducted by the institution against a student who is the alleged perpetrator of such crime or offense. If the alleged victim is deceased as a result of the crime or offense, the information shall be provided, upon request, to the next of kin of the alleged victim.

Public Notification of Directory Information

At its discretion, Illinois State University may provide "directory information" in accordance with the provisions of the Family Educational Rights and Privacy Act of 1974 (FERPA). Directory information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. Designated directory information at Illinois State University includes the following: student's name, address (campus, home, mailing), telephone listing (home), electronic campus email address, date and place of birth, major field of study, dates of attendance, grade level, enrollment status (e.g. undergraduate or graduate, full-time or part-time), participation in officially recognized activities or sports, weight or height of members of athletic teams, target graduation date, degrees, honors and awards received, and the most recent educational agency or institution attended. Students may block the public disclosure of directory information by notifying the Office of the University Registrar in writing prior to the first day of classes.

Please consider very carefully the consequences of a decision to withhold directory information. A non-disclosure block will call for Illinois State University not to release any of this "directory information"; thus, any future requests for such information from non-institutional persons or organizations will be refused.

Illinois State University will honor your request to withhold directory information but cannot assume responsibility to contact you for subsequent permission to release this information. Regardless of the effect upon you, Illinois State University assumes no liability as a result of honoring your instructions that such information be withheld.

Although the initial request may be filed at any time, requests for non-disclosure will be honored by the University until removed, in writing, by the student.

THE UNIVERSITY

The documents establishing Illinois State University as a pioneer educational undertaking were drafted by Abraham Lincoln. Academic programs and courses are offered in thirty-six academic departments and schools which are organized into six colleges. Over 20,000 students have a full range of study options in business, liberal arts, science, fine arts, education, applied science, technology, nursing, and pre-professional fields. Major classroom buildings are centrally located and are surrounded by the library and recreational and residence structures.

The Central Illinois community of Normal-Bloomington, home of Illinois State University, has a population of over 150,000.

Faculty Information

Faculty whose names appear in the department faculty lists were teaching at the University during the previous fall semester. Because of sabbatical leaves, temporary assignments, research projects, and other reasons, not all of these faculty will be teaching in the period covered by this catalog.

Drug Free Workplace Policy

In response to and in compliance with the federal Drug-Free Workplace Act of 1988, Illinois State University reaffirms its commitment to prevent and prohibit the use and abuse of controlled substances on the campus or within facilities owned, operated, or controlled by the University. The following statement shall be considered a University policy applicable to all employees: the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is strictly prohibited upon any property owned, operated, or controlled by Illinois State University. Violators will be subject to Illinois State disciplinary action consistent with existing university policies, rules, regulations, and employment agreements.

University Policy Manual

The University Policy Manual contains University policies and procedures including those approved by the Academic Senate. Also included are operational policies, the Code of Ethics, resolutions, statements and special committees. Copies are available in departmental offices and may also be viewed on the website Policy.IllinoisState.edu.

University Commitment to Diversity

Illinois State University is committed to creating a rich and challenging learning environment for all members of our intellectual community, inside and outside of the classroom. Diversity is a critical component of that learning environment and the Illinois State University community embraces it enthusiastically. The Board of Trustees and the Office of the President have approved

a University Plan for Diversity that establishes a series of goals and concrete actions designed to reinforce and expand the climate for diversity on campus. The goals from the Plan for Diversity are incorporated into the University's strategic plan, Educating Illinois.

Disability Concerns

350 Fell Hall, Phone: (309) 438-5853
Website: DisabilityConcerns.IllinoisState.edu
Email: AbleISU@IllinoisState.edu

To receive accommodations at Illinois State University, the student must self-identify to the Disability Concerns office, complete a Request for Services form and provide appropriate medical/psychoeducational documentation. Upon acceptance of the documentation by the Documentation Review Committee, the case coordinator works with the student on a case-by-case basis to determine the impact of the disability and the appropriate accommodation(s). Disability Concerns offers a variety of accommodations to meet the needs of persons with disabilities. General examples of types of accommodations provided are exam accommodations, sign language interpreters, notetakers, assistive technologies and materials in alternative formats.

Disclosure of Campus Security and Campus Crime Statistics

Illinois State University is committed to the safety and welfare of the campus community. Campus safety and security at Illinois State University is a shared responsibility. The best protection against campus crime is an aware, informed, and alert campus community (students, faculty, staff, and visitors) who report crime and suspicious behavior in a timely manner and use reason and caution during their daily activities.

The Jeanne Clery Disclosure of Campus Security and Campus Crime Statistics Act is a federal law that requires colleges and universities to disclose certain timely and annual information about campus crime and security policies. Information contained in the Annual Security Report includes criminal and fire statistics for the past three years of reports of incidents that occurred on campus, in certain off-campus buildings or property owned or controlled by the University, and on public property within or immediately adjacent to campus. The Report also contains information on other university policies and procedures related to campus security, emergency management, crime reporting, and other resources available to students.

The Annual Security Report and Fire Safety Compliance Document is available on the Campus Safety and Security website at: Security.IllinoisState.edu. If you have any questions or would like to request a paper copy of the report, please contact the Illinois State University Police Department at (309) 438-8631.

USING THE CATALOG

The statements in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and Illinois State University. The course offerings and requirements of the University are continually under review and revision. This catalog presents those in effect at the time of publication. Courses listed in this publication are subject to revision without advance notice and are not necessarily offered each term or each year.

Information regarding changes will be available in the Offices of the University Registrar, the Provost, the colleges, major departments, and schools. It is especially important that each student note that it is his or her responsibility to be aware of current graduation requirements for a particular degree program.

Graduate Catalog Requirements

For a student who attends at least one term of each academic year, graduation requirements are specified in the Graduate Catalog for the year of first course enrollment in the degree program.

Since university programs are constantly evaluated and improved, a student may graduate under new degree requirements published the academic year he or she is graduating from the University. A student who changes to new Graduate Catalog requirements, however, must meet all the requirements including graduation requirements, in that catalog.

Course Prerequisites

Course prerequisites in effect at the time of publication are printed in this catalog. However, prerequisites may change over time and do not depend on catalog year. The registration system will enforce prerequisites in effect at time of registration.

Academic Terminology

In reading this catalog, you may encounter some words or phrases that are unfamiliar. The following list defines terms frequently used within the Illinois State community and will help you more easily understand information you will receive from the University.

Academic Affairs: One of the four major divisions of the University, headed by the Vice President and Provost, that focuses on educational needs of students.

Academic Year: The period of time commencing with the fall semester (16 weeks) and continuing through the spring semester (16 weeks) and summer term (12 weeks).

Alumni: Individuals who have attended or graduated from a particular college or university.

Audit: The completion of a course taken without credit.

Board of Trustees: The governing body for Illinois State University.

Campus Solutions: Student Information System software that supports registration and managing students' progress toward their degrees.

Clinical Experience: A part of the program that allows for observation, participation, studies of individual pupils or clients, individual field work, and practicums both on and off campus.

Credit Hour: A standard unit of measuring course work; credit hours are assigned to a particular course and count toward graduation, except in remedial courses. Typically a course that meets for three hours a week is worth three credit hours.

Cross-listed Course: Course offered by more than one department, but treated as one course for credit purposes.

Curriculum: A program of study covering the entire undergraduate or graduate career and designed to satisfy the requirement for a degree

Dean: The highest administrative officer of a college.

Department Chairperson: An administrative officer holding faculty rank; responsible for the primary unit of academic organization.

Finance and Planning: One of the four major divisions of the University, headed by the Vice President for Finance and Planning, that focuses on financial management and planning.

Full Time Status: Graduate students for fall and spring are considered full-time if they are enrolled 9.0 or more semester hours. Graduate students for summer are considered full-time if they are enrolled 6.0 or more semester hours.

Good Standing: Maintaining a minimum 3.0 cumulative graduate GPA, satisfying any program-specific requirements for good standing, and making satisfactory progress to degree.

Grade Point Average (GPA): The total number of grade points divided by the total graded semester hours attempted at Illinois State University. Total accumulated graduate GPA hours exclude undergraduate coursework, transfer hours, or courses in which a grade of CR, P or DE was assigned.

Illinois Board of Higher Education (IBHE): The board that oversees and coordinates all public higher education in Illinois.

Interdisciplinary: A program or course that spans two or more academic disciplines.

Matriculation: Enrollment in a degree-granting program at a college or university.

Office of University Registrar: An academic unit that maintains academic records, awards transfer credit, and provides enrollment verification, transcripts and course registration. Student questions can be answered in 107 Moulton.

Prerequisite: Specific requirements that must be completed prior to enrolling in a given class, program, or field of study.

Provost: The Vice President for Academic Affairs who is responsible for all academic matters.

School Director: An administrative officer holding faculty rank; responsible for the primary unit of academic organization.

Semester: A semester at Illinois State is the 16-week academic session offered each fall and spring.

Seminar: A regular meeting of students, under the guidance of a faculty member, in which each conducts research and exchanges information, problems, and results through informal lectures, reports, and discussion.

Student Affairs: One of the four major divisions of the University, headed by the Vice President of Student Affairs, that focuses on personal and nonacademic needs of students.

Syllabus: A document describing the objectives, outcomes, assessment activities, and structure of a course.

Term: Campus Solutions name for “semester.”

Transcript: The University’s official record of credit or degrees awarded, including the courses taken by a student and the grades received in each course.

University Advancement: One of the four major divisions of the University, headed by the Vice President for University Advancement, that focuses on public outreach and fundraising.

Units of Instruction

Degree Program: A directed combination of advanced courses that designate a student’s area of specialization. The degree program is designated on university transcripts.

Sequence: A subdivision of a program in which there are specific requirements. Sequences of the same program generally share a common core. Sequences are designated on university transcripts upon receipt of degree.

Concentration: A subdivision of a program without specific requirements that is provided for advisement only. Concentrations are not designated on university transcripts. All informal curricular recommendations made by departments and schools (such as emphases, tracks, areas of study, specializations, etc.) should be considered concentrations. Concentrations are advisory only; no approval process is required.

Graduate Certificate Program: Certificates are a series of courses designed to provide professional development and career advancement opportunities, or to enhance an individual’s skills or education. These certificates are not part of degree programs, although courses completed as part of a certificate could be used in meeting degree requirements, where appropriate. There are three types of certificates available at the graduate level:

Graduate Certificate – requires a minimum of 9 hours but no more than 17 hours beyond the bachelor’s degree.

Post-Baccalaureate Certificate – requires a minimum of 18 hours beyond the baccalaureate degree, but fewer hours than a master’s degree.

Post-Masters Certificate – requires a minimum of 24 semester hours of coursework beyond the master’s degree but fewer hours than a doctoral degree.

Terms Used in Course Descriptions

Course descriptions are given within each college. The following section explains how to read and use a course description, and the terminology used within course descriptions.

Also offered as: (cross-listed course) the specified courses are identical and are thus considered interchangeable in meeting all requirements. Credit can only be earned in one of the specified courses.

Consent of the instructor: The course instructor must give consent before a student may register for the course.

Formerly offered as: indicates a course previously offered under a different number or title. The course is interchangeable with the previous course number or title.

Materials charge optional: indicates an optional fee charge for course materials.

May be repeated: indicates that a course may be taken for credit more than once if different content is planned; however, there may be a maximum amount of credit specified for the course.

Not for credit if had: (course) means that content overlap exists between the specified courses and that students should not be able to count both toward graduation. Such courses are not, however, considered interchangeable in meeting all requirements.

Not for credit toward a graduate degree program: credit from this course may not be applied to the degree program requirements.

Variable credit courses: are those courses leading to differing number of credit hours. A student should plan with the advisor the number of hours to be sought in a variable credit course.

Course Offerings

Contract: Contract educational services, programs and courses are delivered through mutual contract to a business site for a specific cohort or business entity.

“Decimalized” Course: A course with different subtopics but standard learning outcomes; for example HIS 104 may examine different regions. Campus Solutions replaces the decimal with the letter A, so HIS 104.01 appears as 104A01.

Distance Education: A formal education process in which the majority of the instruction occurs when student and instructor are not in the same location at the same time. Instruction may be synchronous or asynchronous.

General Courses: Courses with a common course description and identified with a university-wide common number may be offered in each academic department or school. Examples are 400 Independent Study, 393 Workshop, 499 Master’s Thesis, and 599 Doctoral Dissertation.

Independent Study: Intensive study in a special area of the student’s interest under the direction of a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination and/or artistic project.

Online courses: Makes use of Illinois State’s connection to the Internet and other electronic resources. These courses may utilize on-line materials, courseware, and discussion groups, and may be delivered in any asynchronous mode.

Professional Practice: Professional Practice consists of one or more credit-generating, academic/career related, salaried or non-salaried work experiences. Graduate Professional Practice courses are designated by the numbers 498, and 598.

Seminar: A regular meeting of students, under the guidance of a faculty member, in which each conducts research and exchanges information, problems, and results through informal lectures, reports, and discussion.

Temporary Course: Temporary courses are approved by the curricular committees for a time period not to exceed three years. Temporary courses often are used to experiment with a new curricular design, to take advantage of the skills of a faculty member who will be at the University for a limited period, or to respond to particular interests of students. Temporary courses are designated by the numbers 389, 489, and 589. Temporary courses may not be required within a major or sequence.

Topics Course: An organization of subject matter and related learning experiences composed of identifiable subdivisions of topics. Each topic is of sufficient significance to be treated separately as a unit of instruction for an entire semester or term. The content of the course varies by semester.

Workshop: Intensive and applied work on special problems in one or more subject areas. Workshop opportunities are provided on special problems not covered in any regular university courses. Workshops are generally designated by the numbers 393, 429, and 493.

Course Information

The University operates on the semester plan. The credit value of all courses is stated in terms of semester hours. Ordinarily, a semester hour is assigned for a 50-minute class meeting per week for the semester; therefore, a course valued at three semester hours generally meets three periods weekly. In laboratory courses, at least two 50-minute periods per week are ordinarily required for each semester hour of credit.

In addition to its fall and spring semesters, the University provides a summer session with courses of varying lengths and a variety of short-term offerings.

Course Availability: Some courses listed in the catalog may not be available each year. Students should access My.IllinoisState.edu for class availability. Questions concerning scheduling of courses should be referred to the department chairperson or school director.

Course prerequisites in effect at the time of publication are printed in this catalog. However, prerequisites may change over time and do not depend on catalog year. The registration system will enforce prerequisites in effect at time of registration.

Course Numbering

Each course bears a distinguishing number for identification and indication of its academic level. Graduate courses are numbered 400 to 599. Students may receive graduate credit for 300-level courses listed in the Graduate Catalog. To receive graduate credit for 300-level courses, students must complete applicable graduate credit requirements provided in the course syllabus.

The numbering system for advanced courses is as follows:

300-399 Advanced undergraduate courses. Open to juniors, seniors, and sometimes graduate students. The only 300-level courses available for graduate credit are those that are listed in the Graduate Catalog.

400-499 Courses at this level are for graduate students. With approval from the instructor, the department chair/school director, and the Graduate School, advanced undergraduates may be permitted to enroll in 400-level courses for undergraduate credit only.

500-599 Courses limited to advanced graduate or doctoral students.

DEPARTMENTAL, SCHOOL, AND UNIT ABBREVIATIONS

The following abbreviations for departmental, school, and unit offerings are used both in the program requirement descriptions and in the course descriptions throughout the *Graduate Catalog*.

ACC Accounting	FRE French
AGR Agriculture	GER German
ANT Anthropology	SPA Spanish
ART Art	MAT Mathematics
ATK Arts Technology	MKT Marketing
BSC Biological Sciences	MQM Management and Quantitative Methods
BE Business Education	MUS Music
CHE Chemistry	NUR Nursing
COM Communication	PHI Philosophy
CJS Criminal Justice Sciences	POL Politics and Government
CSD Communication Sciences and Disorders	LGS Legal Studies
ECO Economics	PSY Psychology
EAF Educational Administration and Foundations	SED Special Education
ENG English	SOA Sociology and Anthropology
FCS Family and Consumer Sciences	ANT Anthropology
FIL Finance, Insurance and Law	SOC Sociology
GEO Geography-Geology	SWK Social Work
HSC Health Sciences	TCH Teaching and Learning
HIS History	TEC Technology
IT Information Technology	THD Theatre and Dance
KNR Kinesiology and Recreation	DAN Dance
LAL Latin American and Latino/a Studies	THE Theatre
LAN Languages, Literatures, and Cultures	WGS Women's and Gender Studies

THE GRADUATE SCHOOL AT ILLINOIS STATE UNIVERSITY

Accreditation

Illinois State University is accredited by the Higher Learning Commission, one of six regional accrediting bodies for higher education recognized by the United States Department of Education. For further information regarding this accreditation, contact the Higher Learning Commission at 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411; phone (800) 621-7440 or (312) 263-0456; email info@hlcommission.org; or visit the Commission website at <https://www.hlcommission.org>.

The teacher preparation unit and its programs are accredited by the National Council for Accreditation of Teacher Education, which, in 2013, consolidated with the Teacher Education Council to become the Council for the Accreditation of Educator Preparation. Teacher preparation programs are approved by the Illinois State Board of Education.

Numerous programs of study at Illinois State hold discipline-based accreditation. A list of specialized accreditation agencies with which the University is associated is available at Provost.IllinoisState.edu/academic/accreditation.

The University holds institutional memberships in the American Council on Education, the American Association of State Colleges and Universities, the American Association of Colleges for Teacher Education, and the Council of Graduate Schools.

The Graduate School

The University began offering graduate work in 1943, when it introduced master's degree programs in several departments. The number of degrees has increased gradually since that time, with doctoral work being introduced in 1962.

Today the Graduate School offers master's degree work in more than thirty academic fields and professional education areas as well as the Specialist in School Psychology degree.

The members of the graduate faculty of each department/school are listed in the department and school sections. The entire faculty of the Graduate School is shown in a section after the Departments/Schools and Course Offerings.

Mission Statement of the Graduate School

The Graduate School advances the University's mission to expand knowledge and culture among students, colleagues, and the general citizenry through teaching, research, and service. Graduate education provides opportunities for all students, including those from underrepresented groups, to learn advanced skills

enabling them to generate knowledge through research and creative endeavors, to disseminate their scholarship, and to prepare for careers throughout the public and private sectors.

The Graduate School supports the expansion and strengthening of graduate programs including: (1) master's programs in areas that build on strengths of undergraduate programs, have a unique educational focus, or prepare students for viable careers; (2) doctoral programs in areas of demonstrated programmatic strength and expertise or where a compelling societal need exists. Illinois State University is classified as a Carnegie Doctoral/Research institution.

Governance

The Academic Senate is the major internal governance body of the University. The Senate acts in legislative and advisory roles with regard to University policies involving faculty and students, academic programs and planning, and University concerns. Based upon the concept of shared governance, the 62-member Senate's representatives consist of 31 faculty members, the composition of which is 29 tenure/tenure track faculty members, one non-tenure-track faculty member and one Faculty Associate from the Lab Schools, 21 students, including the Student Body President, one representative from the Civil Service Council and one from the Administrative Professional Council. Additionally, the ex-officio representatives are the President of the University, three Vice Presidents, one Associate Vice President, a representative from the Deans Council, a representative from the Chairs Council, and the Student Trustee.

The Graduate Council is the representative body of the graduate faculty. Council members deliberate and set policy on all matter of graduate education and research, and advise the Associate Vice President for Research and Graduate Studies. Each council member sits on one of four standing committees: admissions, curriculum, membership, or research. Members are elected by the graduate faculty or appointed by the Graduate School. Two graduate students serve on the Graduate Council. Selection criteria for members are articulated in Article IV of the by-laws.

COSTS AND FEES

Tuition and Fees

Tuition, fees, and on-campus housing charges are determined by action of the Board of Trustees on a yearly basis. Typically, tuition and fees are assessed at a per semester hour rate. Students enrolled for nine semester hours or more in the fall and spring and 6 or more hours in the summer will be charged the current rate for health insurance. The Student Accounts website at StudentAccounts.IllinoisState.edu gives further information and lists specific dates.

Auditors

Students who take all courses as auditors without credit are charged at the current rate per semester hour for tuition only.

Resident/Non-Resident Status

An applicant or enrolled student is classified either as a resident of Illinois, a nonresident, or a foreign student. Residency for tuition purposes is different from residency for voting, taxing purposes, or residency requirements of on-campus doctoral programs.

A student must be a U.S. citizen or have been approved for U.S. Permanent Resident status in order to be considered as an Illinois resident. An individual's residency status is based on information from the admission application. A student who is not a resident of Illinois or one who is an international student pays the non-resident tuition fee as indicated. All other fees are the same for non-residents. A student under 18 years of age is considered a non-resident if the student's parents are not legal residents of Illinois. A student over 18 years of age is considered a non-resident if the student is not a legal resident of Illinois. A student who begins as a non-resident may later qualify for resident status. Guidelines for qualifying and special circumstances may be found on the University Registrar's website Registrar.IllinoisState.edu. Personnel within the Office of the University Registrar are responsible for determining residency.

Payment of Tuition and Fees

The University offers a registration installment plan for the payment of tuition and fees for the fall and spring semesters. For those selecting that option, a registration installment fee per semester will be assessed, with approximately one-fourth due in August, September, October, and November for the fall semester, and one-fourth due in January, February, March, and April for the spring semester. The Student Accounts website gives further information and lists specific dates. StudentAccounts.IllinoisState.edu/billing.

Withdrawal and Reduction of Tuition and Fees

A registered student who officially withdraws from the University may receive a reduction of tuition and fees, including any advance deposit, according to the following schedule:

1. If withdrawal is prior to the first regularly scheduled class day, tuition and fee charges are reduced by 100 percent except for insurance.
2. If withdrawal is within the first fifteen calendar days starting with the first regularly scheduled class day, tuition and fees are reduced by 100 percent and a service charge will be added to the student account.
3. If withdrawal is after the fifteenth calendar day, please see the current year billing information brochure at: StudentAccounts.IllinoisState.edu for a current schedule.

The University may designate an abbreviated withdrawal policy for summer session, special courses, and short courses.

All notifications of withdrawal from the University must be in person with photo ID to the Registrar Service Center, 107 Moulton Hall, between 8 a.m. and 4:30 p.m., Monday through Friday, or in writing and addressed to Office of the University Registrar, Illinois State University, Campus Box 2202, Normal, IL 61790-2202, or faxed to (309) 438-8652, or emailed from the student's Illinois State University email account to Registrar@IllinoisState.edu.

Student Health and Accident Insurance

The Student Health Insurance fee provides a health and accident insurance policy intended to meet the needs of students without other insurance or to provide up to 100 percent coverage for insured expenses by coordinating with a family policy. Insurance coverage is world-wide. The policy includes a \$1,000 stop loss provision designed to provide catastrophic coverage while limiting out-of-pocket expenses, and a \$50 deductible. This deductible is waived if other insurance is also in force. The policy is compliant with the Patient Protection and Affordability Care Act and meets the Federal requirement of having insurance. The schedule of benefits includes services for hospital inpatient and outpatient use including emergencies, surgical and anesthesia fees, physician's charges, consultation expenses, lab and radiology expenses, ambulance services, and prescription coverage. A complete schedule of benefits may be obtained from the Office of Student Insurance in the Student Services Building.

Student insurance coverage begins the Monday prior to the first day of regularly scheduled fall classes, the Thursday prior to the first day of regularly scheduled spring classes, and on the first day of classes of the first summer session. This coverage is terminated on the first day of classes of the next regularly scheduled term. Continuous year-round coverage is available if the student maintains university registration at nine or more hours during the first and second semesters and applies for summer coverage at the Student Health Insurance Office prior to the expiration of spring coverage. A summer insurance fee will be assessed in tuition and fees only by registration of six or more credit hours

prior to the eighth calendar day of the first summer session. An insured student who graduates may purchase one additional term at the group rate by applying prior to graduation day. This policy contains no extension of benefits into a non-covered semester for any condition. Extension of coverage for existing conditions, such as maternity, is available through a continuation option, details of which can be obtained from the Student Insurance Office. Although dependent coverage is not included in the Student Plan, the Student Insurance Office can provide suggested alternatives for students needing dependent coverage.

It is strongly recommended that students remain enrolled in this plan even if other health insurance is present. A request to cancel this insurance plan is permitted during the first 15 calendar days of each semester (eight days during the summer session), for those students who prove they have comparable insurance coverage (insurance ID card or copy of policy) and complete the required petition in the Student Insurance Office. However, experience has often shown that the premium for the Illinois State plan is less than out-of-pocket bills that many have to pay because of higher deductibles, co-insurance, and out of network provisions in their own policy. Additionally, students sometimes lose coverage through their parent's plan because of age limitations, changes in dependent status, or changes in employment of parents. Thus, it can be more economical to remain enrolled in the Illinois State plan. The previous information is a summary of benefits and enrollment procedures. Persons desiring specific information about the Illinois State Student Health Insurance Plan should contact the Student Insurance Offices in the Student Services Building, or call (309) 438-2515.

Other Cost/Fee Policies and Exceptions

Reduced Fees: Pursuant to guidelines established by the University, part or all of a student's tuition and fees may be reduced because of the student's death or disability, extreme hardship, or institutional error. A student may receive a reduction of all tuition and fees if the University declares him/her ineligible for enrolled status prior to the first day of regularly scheduled class.

Thesis and Dissertation Audit Hours: Master's Thesis 499A01 (Audit) and Doctoral Dissertation 599A01 (Audit) are assessed at the per semester hour rate for tuition.

Material Charges: Material charges listed under course offerings in the Graduate Catalog and My.IllinoisState.edu registration system are automatically charged to the student's account. A student may supply his or her own materials and request the instructor, in writing, to reduce the materials charge.

FUNDING OPTIONS

Financial Aid

Each year, many Illinois State graduate students receive financial assistance in the form of graduate assistantships; non-assistantship employment; tuition waivers; scholarships, fellowships, grants, and awards; and loans. Financial Aid is coordinated through the Financial Aid Office. You may access information at FinancialAid.IllinoisState.edu. Information from the website includes:

- General information about the Illinois State Financial Aid Office, office hours, phone number and location; information concerning the application process, cost of attendance and programs available to students;
- A link to FAFSA on the Web, which allows you to file the Free Application for Federal Student Aid electronically;
- A link to Illinois State's My.IllinoisState.edu portal so that once you have a university PIN you can check the status and progress of your aid application after being admitted to Illinois State. My.IllinoisState.edu also allows you to review your financial aid awards and verify and/or update your address information on file with the Office of the University Registrar.

Using the email address FinancialAid@IllinoisState.edu is another method of contacting the Financial Aid Office. You will receive a response to your question within two business days.

General Financial Aid Requirements

To qualify for federal or state financial aid programs, you must:

1. be a United States citizen or have resident alien status;
2. complete and submit the Free Application for Federal Student Aid (FAFSA) to the federal processor either on paper or on line;
3. be enrolled for a minimum of 5 hours (half-time status) per semester (Students not pursuing a degree or unclassified students are not eligible for financial aid, including loans.); not be in default on a Perkins Loan or any federally guaranteed loan;
4. not owe a repayment to a federal grant program;
5. make satisfactory progress toward a degree as defined by Illinois State University (See Satisfactory Academic Progress); and
6. be registered with Selective Service, if you are a male at least 18 years of age, born after 1959, and not currently an active member of the U.S. Armed Forces.

NOTE: A student may not receive federal or state financial aid from more than one institution at the same time.

Enrollment Changes and Financial Aid Eligibility

Reduction in Hours: Reducing your credit hours, withdraw from classes or failure to earn credit has implications

for your aid eligibility for the current semester and future terms. These standards are posted on the Financial Aid website: FinancialAid.IllinoisState.edu.

Confidentiality and the Release of Information

The Financial Aid Office will release information about the financial status of a student to those parties within the University if it is related to your attendance at Illinois State. Inquiries from off-campus agencies and/or landlords will be answered by Financial Aid Office staff only if you have given consent in writing to the Financial Aid Office.

To protect the confidentiality of your records, the Financial Aid Office will require proper identification from the requesting party before releasing any of your information. A documentation notice will also be placed in your financial aid file.

Satisfactory Academic Progress

All students who receive federal and state financial aid must meet federal and institutional standards for academic progress in order to establish and retain aid eligibility. Students receiving athletic or other university administered awards must also meet the satisfactory academic progress standards that have been established by the awarding entity.

Satisfactory academic progress for federal and state financial aid programs is based on three measures: cumulative grade-point average, completion rate based on credit hours completed compared to attempted, and a maximum time frame for degree completion. The University's standards for each of these three measures, and when these standards are reviewed, are described on the website FinancialAid.IllinoisState.edu.

Sources of Support

Graduate students are supported at Illinois State University through graduate assistantships; non-assistantship employment; tuition waivers; scholarships, fellowships, grants, and awards; and loans.

Graduate Assistantships

The main source of support for graduate students is graduate assistantships. Graduate assistantships are provided as financial support for selected graduate students. They are intended to facilitate progress towards a graduate degree and are governed by the Graduate Assistant Handbook. For more detailed information on eligibility, requirements, and specific information please refer to the Graduate Assistant Handbook at: HR.IllinoisState.edu/downloads/GA_Handbook.pdf.

Applying for a Graduate Assistantship: Information for applying for graduate assistantships is available at HR.IllinoisState.edu/student.

Non-assistantship Employment

On- and off-campus part-time job openings are accessible through the website at FinancialAid.IllinoisState.edu/jobs. From this website, you can search for the type of job you would like by selecting a classification. Classifications include Graduate Assistantships, off-campus employment, and on-campus (student) employment. If you are interested in working on campus, you may also contact individual University offices directly to inquire about employment opportunities.

Immigration Reform and Control Act of 1986: It is the policy of Illinois State University to comply with the Immigration Reform and Control Act of 1986. Therefore, all employees must furnish documentation prior to employment to establish both their employment authorization and identity. All employment is contingent upon a review and verification of such documents.

Tuition Waivers

Graduate Tuition Waivers: Are awarded on a competitive basis by departments and schools offering graduate programs and by the Office of International Studies to students who show promise for success and who have not received a fellowship or other award funding tuition costs. Students who are interested in a tuition waiver should complete an application provided by the department or school offering the degree program in which they wish to enroll. Applications are also on-line at Grad.IllinoisState.edu. International students may apply to either their department or school or the Office of International Studies.

Tuition waivers are also awarded to students as part of a graduate assistantship contract. The application is available at Grad.IllinoisState.edu/funding.

Diversity Tuition Waivers: In an effort to provide support to persons from traditionally underrepresented groups who have been admitted to an Illinois State University graduate degree program, the Graduate School is able to offer a limited number of Diversity Tuition Waivers to U.S. citizens from traditionally underrepresented groups. Such groups may be based on but are not limited to race, ethnicity, religion, national origin, age, disability, sexual orientation, gender identity and expression, military experience, low socioeconomic status, experience as a first generation college student, and/or limited English proficiency. Awards are not based solely on membership in one or more traditionally underrepresented groups, but rather on a holistic evaluation that includes students' articulation of how their experience and perspective as a member of an underrepresented group has resulted in and/or is expected to result in unique contributions to their respective graduate program, academic discipline, and overall campus community. Waivers cover tuition only (students must still pay fees). They are awarded subject to available funds and may be received in addition to most other types of financial assistance. Please note, however, that those who receive a graduate assistantship will forfeit the award of the Diversity waiver as graduate assistantships include a tuition waiver. Funds are limited, and applications are for one semester at a time. Students must submit a new application for each

semester. Submit applications by priority dates for the best chance at funding: fall-July 1, spring-October 1, summer-March 1. The application and more information is available at: Grad.IllinoisState.edu/funding.

Scholarships, Fellowships, Grants and Awards

Grants and scholarships are available on a limited basis through institutional and private sources for graduate students. Select grants and scholarships are listed below with more information on the Graduate School website: Grad.IllinoisState.edu/funding/fellowships.

Ada Belle Clark Welsh Scholarship: For women in the field of liberal arts and humanities, including study for teacher preparation or improvement. This scholarship is awarded during the spring semester; the application deadline is March 15.

Lela Winegarner Scholarship for International Students: For international students pursuing careers of service to their country. This scholarship is awarded during the fall semester; the application deadline is September 15.

Ora Bretall Scholarship: For students whose thesis/dissertation proposal deals with educational theory. Awarded during the Fall and Spring semesters; the application deadlines are September 15 and March 15.

Fulbright Scholarships: Designed to be given to graduating seniors, graduate students, and developing professionals and artists who plan to conduct career-launching study and research abroad.

McNair Book Scholarships: Book scholarships are available for incoming or continuing Ronald E. McNair Post-baccalaureate Achievement Program Scholars.

Donald F. McHenry Fellowship: For U.S. citizens of African, Asian, Hispanic or Native American ethnicity. Awarded during the spring semester; the application deadline is March 15.

Illinois State University Foundation Fellowship: For persons admitted to a degree program but who have not begun coursework. This fellowship is awarded during the spring semester; the application deadline is March 15.

Student Symposium Grant: Partial reimbursement of expenses to carry out a project of scholarship, research and creative endeavor for the Symposium or to present a symposium project at a refereed conference or juried exhibition in the student's field, either before or after Symposium participation. Grant guidelines and the application form is available at Grad.IllinoisState.edu/funding/grants.

Dissertation Completion Grant: Funding is available to help support students enrolled in a doctoral program at Illinois State to complete their dissertation and graduate from their program within two years. Information is available at Grad.IllinoisState.edu/funding/grants.

Thesis and Dissertation Awards: The James L. Fisher Outstanding Thesis Award and the Clarence W. Sorensen Distinguished Dissertation Award provide recognition for

completed theses and dissertations judged to be of the highest quality in university-wide competitions. A monetary award accompanies this distinction. Nominations are put forward by academic departments and schools. More information is available at: Grad.IllinoisState.edu/academics/thesis-dissertation.

Loans

As a participant in this program, Illinois State receives loan funds directly from the U.S. Department of Education. Illinois State disburses loan proceeds and applies the funds directly to a student's university charges. If the total financial aid exceeds charges, a student will receive a refund.

Graduate students may borrow up to \$20,500 per academic year. The actual amount you can borrow will depend on your total cost of attendance minus any other financial aid that you are receiving including tuition waivers.

Interest on graduate loans begins once the funds have been disbursed. This interest can be deferred while you are attending school at least half-time, but any unpaid interest will be added to the principal (capitalize) once you start repayment. The aggregate loan limit (total of all loans received as a graduate and an undergraduate student, but excluding a Perkins Loan) is \$138,500.

Graduate Visiting Students: If you are classified as a graduate visiting student and need at least six undergraduate credits as prerequisites to enter a graduate program, you can submit an Appeal Form to the Financial Aid Office. This appeal is not granted automatically. If your appeal is granted, you will only be eligible for a subsidized and/or unsubsidized loan, subject to the undergraduate loan maximum and depending on your FAFSA data. Your appeal is granted for up to one, continuous 12-month period of enrollment. The appeal form can be obtained from the Financial Aid Office.

Loan Counseling: All first-time borrowers at Illinois State are required to attend entrance loan counseling before your loan proceeds are released to Student Accounts. Review the loan counseling information at FinancialAid.IllinoisState.edu/loans.

After your loan is processed, you will receive your Award Notice and information about completing an Electronic Promissory Note (EMPN) if you have not already done so. Read the note carefully.

The interest rate for this loan is currently locked at 5.41% (January 2014).

Check Distribution: The Student Accounts Office processes refunds for aid in excess of amounts owed the University throughout the academic year. Students should be prepared to buy books and have "start up" funds at the beginning of each semester. Before any loan proceeds will

be credited to a student's account, they may need to complete an entrance interview and a Promissory Note. Refer to the instructions on the Award Notice.

Students should keep their local and permanent address information current. Financial aid refund checks will be mailed to the local address. Once a student receives the university PIN, they can update their address on the My.IllinoisState.edu portal which can be accessed from the Financial Aid Office website, FinancialAid.IllinoisState.edu. Numerous university offices will use this address to contact students.

Students are encouraged to sign-up for direct deposit of refunds through My.IllinoisState.edu.

Exit Information: Before a student graduates, or if their enrollment drops below five hours per semester, they will be sent information concerning exit loan counseling, which outlines loan repayment, consolidation, and deferment options.

A student will begin loan repayment six months after they graduate or drop below half-time status (five hours per semester).

Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants

In 1965, the Council of Graduate Schools (CGS) approved the following resolution regarding offers of financial assistance such as scholarships and tuition waivers. The Graduate School endorses this resolution. Questions regarding the application of this resolution should be addressed to the Graduate School.

The acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and Graduate School expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.

Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organization subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

PROGRAMS OF STUDY

Master's and Doctoral Degrees Granted

College of Applied Science and Technology

AgricultureM.S.
 Criminal Justice Sciences.....M.A., M.S.
 Family and Consumer Sciences.....M.A., M.S.
 Information Systems.....M.S.
 Kinesiology and RecreationM.S.
 Technology.....M.S.

College of Arts and Sciences

Applied Economics.....M.A., M.S.
 Anthropology.....M.A., M.S.
 Audiology.....Au.D.
 Biological SciencesM.S., Ph.D.
 Chemistry.....M.S.
 Chemistry Education.....M.C.E., M.S.
 Clinical-Counseling Psychology.....M.A., M.S.
 Communication.....M.A., M.S.
 EnglishM.A., M.S.
 English StudiesPh.D.
 HistoryM.A., M.S.
 Hydrogeology.....M.S.
 Languages, Literatures, and Cultures.....M.A.
 Mathematics.....M.S.
 Mathematics Education.....Ph.D.
 Political Science.....M.A., M.S.
 Psychology.....M.A., M.S.
 School Psychology.....S.S.P., Ph.D.
 Social Work.....M.S.W.
 Sociology.....M.A., M.S.
 Speech-Language PathologyM.A., M.S.

College of Business

Accountancy.....Integrated B.S./M.P.A., M.S.
 Business Administration (Finance, Insurance and Law;
 Management and Quantitative Methods; Marketing...M.B.A.

College of Education

College Student Personnel Administration.....M.S.
 Educational Administration...M.S., M.S. in Ed., Ed.D., Ph.D.
 Instructional Technology and Design.....M.S.
 ReadingM.S. in Ed.
 Special Education.....M.S., M.S. in Ed., Ed.D.
 Teaching and Learning.....M.S., Ed.D.

College of Fine Arts

Art.....M.A., M.S., M.F.A.
 Arts Technology.....M.S.
 Music.....M.M., M.M.Ed.
 Theatre.....M.A., M.S., M.F.A.

Mennonite College of Nursing

Nursing.....M.S.N., Ph.D.
 Nursing Practice.....D.N.P.

NOTE: Graduate degrees are not granted in the following departments but graduate course work is available as supplemental study or as electives:

Department of Philosophy
 Department of Physics
 Department of Health Sciences

Non-Degree Graduate-Level Certificates

College of Applied Science and Technology

Graduate Certificate in Social Aspects of Aging
(See College of Arts and Sciences below.)

Graduate Certificate in Enterprise Computing Systems
 Graduate Certificate in Information Assurance and Security
 Graduate Certificate in Internet Application Development
 Graduate Certificate in Network and Telecommunications Management

Graduate Certificate in Systems Analyst
(See School of Information Technology section for descriptions.)

Graduate Certificate in Quality Management and Analytics
 Graduate Certificate in Project Management
 Graduate Certificate in STEM Education and Leadership
 Graduate Certificate in Training and Development
(See Technology Department section for descriptions.)

College of Arts and Sciences

Graduate Certificate in Biology Geographic Information Systems (GIS) *(See School of Biological Sciences section for description.)*

Graduate Certificate in Social Aspects of Aging *(housed in the Sociology and Anthropology Department, with courses provided by the departments of Sociology and Anthropology, Family and Consumer Sciences, Psychology, and Communication Sciences and Disorders.)*

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School
 Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)
(See English Department section for descriptions.)

Graduate Certificate in Hydrogeology Geographic Information Systems *(See Geography-Geology Department section for description.)*

Graduate Certificate in Instructional Technology in World Languages
(See Languages, Literatures, and Cultures Department section for description.)

Graduate Certificate in Women's and Gender Studies
(See Women's and Gender Studies section for description.)

College of Business

Graduate Certificate in Organizational Leadership
(See Management and Quantitative Methods Department section for description.)

College of Education

- Graduate Certificate in Learning Behavior Specialist 2
Curriculum Adaptation Specialist
- Graduate Certificate in Learning Behavior Specialist 2
Behavior Intervention Specialist
- Graduate Certificate in Learning Behavior Specialist 2
Technology Specialist
- Graduate Certificate in Learning Behavior Specialist 2
Multiple Disabilities Specialist
- Graduate Certificate in Learning Behavior Specialist 2
Transition Specialist
- Deaf and Hard of Hearing Listening and Spoken Language
Graduate Certificate
- Graduate Specialization Certificate: Early Intervention
Vision Specialist
- Post-Master's Graduate Certificate for Director of Special
Education
(See Special Education Department section for descriptions.)
- Post-Master's Graduate Certificate for General
Administrative Certification
- Post-Master's Graduate Certificate for Superintendent
Endorsement in Educational Administration
- Post-Master's Graduate Certificate for Chief School
Business Official (CSBO) Endorsement
- Post-Baccalaureate Teacher Leader Certificate
*(See Educational Administration and Foundations
Department section for descriptions.)*
- Post-Baccalaureate Graduate Certificate in School
Librarianship
*(See School of Teaching and Learning section for
description.)*

Mennonite College of Nursing

- Nurse Educator Graduate Certificate
- Post-Master's Family Nurse Practitioner Certificate
(See department section for descriptions.)

Graduate Licensure Programs

Licensure for school administrators, school service personnel, and teachers may only be awarded in Illinois by completing an approved program and meeting other specific Illinois State Board of Education (ISBE) requirements. Illinois State University offers the following ISBE approved graduate licensure programs:

Administrative and School Service Personnel Licensure Programs: Administrative Programs: Principalship, Superintendent, Chief School Business Official, and Director of Special Education. School Service Personnel Certificate Programs: Speech Pathology and Audiology, School Psychology, and School Social Worker.

Initial and Advanced Teacher Licensure Programs: Special Education endorsements and subsequent licensure in Learning Behavior Specialist I, Learning Behavior Specialist

II licensure in the areas of Curriculum Adaptation, Multiple Disabilities, Behavior Intervention, Technology and Transition and Reading Specialist licensure.

Individual program requirements may be obtained by either referring to the specific program described elsewhere in this catalog or by contacting the appropriate departmental or school advisor.

Licensure Information: Individuals seeking licensure through Illinois State graduate level programs must file an "Intent for Licensure" with the Office of Clinical Experiences and Certification Processes (CECP), located in the Cecelia J. Lauby Teacher Education Center, 56 DeGarmo Hall. This should be done early in the program. The CECP Office will evaluate credentials for meeting program requirements, inform students of deficiencies, notify the Illinois State Board of Education when a student has successfully completed an Illinois State University graduate entitlement program, and inform the program completer on certification application procedures.

All applicants for licensure must pass an examination in the area of specialization which has been developed and administered by the State of Illinois. An applicant should contact their advisor to determine when this examination needs to be taken. Individuals that have not passed the Basic Skills test, TAP (Test of Academic Proficiency), or ISBE approved equivalent test for previous licensure, will be required to do so for full admission into a graduate licensure program. Additional testing may be required for certain licensure areas. For further information see the licensure specialist in the Cecelia J. Lauby Teacher Education Center, 56 DeGarmo Hall.

Students seeking an initial teaching licensure in the areas of Early Childhood, Elementary Education, Junior High/Middle School Education, Secondary 6-12, or the Special K-12 areas of Art, Music, Foreign Languages, Business, Special Education and Physical Education can earn that licensure only through undergraduate course work. See the Undergraduate Catalog section, University-Wide Teacher Education Programs, for an explanation of the requirements of these programs. Students who have already received a bachelor's degree in a non-teaching area can become licensed by completing the necessary undergraduate requirements, usually through enrolling in a second bachelor's degree program. For additional information see Education.IllinoisState.edu/teacher_education/licensures.

Students wishing to appeal decisions which affect their admission to or dismissal from a professional educator program or which have a direct bearing on their being recommended for licensure, should contact the Office of Clinical Experiences and Certification Processes, 56 DeGarmo Hall. The guidelines for submitting appeals may be found on the following website: Education.IllinoisState.edu/teacher_education.

GENERAL ADMISSION INFORMATION

Degrees, Non-Degree Graduate Level Certificates, and Visiting Students

Specific admission requirements for the master's, specialist, M.F.A., Ph.D., Ed.D., Au.D., and non-degree graduate certificates are provided in this catalog under the heading Degree and Certificate Completion Requirements for each Type of Degree. In addition, visit the Graduate School website at Grad.IllinoisState.edu/academics for detailed admission information required for each graduate program.

Graduate Degrees: A student may be admitted as either a degree seeking student or a non-degree seeking student. A degree-seeking student is one who has been formally admitted to a program of study leading to a degree. Illinois State University offers programs of study leading to the Master of Arts, Master of Science, Master of Science in Chemistry Education, Master in Social Work, Master of Professional Accountancy, Master of Business Administration, Master of Science in Education, Master of Music, Master of Music Education, Master of Science in Education, Master of Science in Nursing, Specialist in School Psychology, Master of Fine Arts, Doctor of Nursing Practice, Doctor of Philosophy, Doctor of Education, and Doctor of Audiology. All other students are classified as non-degree seeking students.

The only students eligible to take courses for credit at the terminal degree level (Ed.D., M.F.A., Ph.D., Au.D.) are those admitted to a degree program.

Non-Degree Graduate-Level Certificates: A non-degree graduate certificate student is one who has been formally admitted by a department or school to a specific course of study leading to a graduate level certificate. Graduate-level certificates are graduate courses of study approved by an academic unit and designed to provide professional development and career advancement opportunities, to broaden career options, or to enhance an individual's skills or education as part of the process of life-long learning. These certificates are not part of any degree program, although courses completed as part of a certificate curriculum could be used in meeting degree requirements, where appropriate.

There are three types of non-degree graduate certificates.

1. Graduate Certificate: Requires a minimum of 9 but no more than 17 semester hours of graduate courses beyond the bachelor's degree.
2. Post-Baccalaureate Graduate Certificate: Requires a minimum of 18 semester hours of graduate courses beyond the baccalaureate degree, but fewer hours than a master's degree.
3. Post-Master's Graduate Certificate: Requires a minimum of 24 semester hours of graduate courses beyond the master's degree, but fewer hours than a doctoral degree.

Visiting Student: A visiting student is one who does not seek a degree at Illinois State or has not been officially admitted to a graduate degree program. The application deadline is the Friday before the beginning of each semester. If a department wishes to make an exception to this deadline for a student, the department should contact the Office of Admissions. For general information about visiting student status and advisors, visit Grad.IllinoisState.edu/admission.

Admission to Master's Degree Programs

An applicant for a program leading to the master's degree must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record and other performance requirements stipulated by the individual department or school. These may include examinations or standardized tests, interviews, auditions, examples of work, and letters of recommendation. To be admitted to a degree program, a student must have at least a 2.8 grade point average, on a scale in which A equals 4, for the last 60 hours of undergraduate work, and the approval of an academic department or school. In specific cases a department or school may petition the Graduate School for permission to use undergraduate courses taken while the student is classified as a graduate student (either as a visiting student or a degree student in another graduate program) in calculating the GPA for the last 60 undergraduate hours. Specific admission requirements are described under departmental and school listings in this catalog.

Admissions Status

Conditional Admittance: A student whose application for a degree program is incomplete because not all required supporting material has been received in the Office of Admissions may be admitted as a conditional student. Conditional admission will not be granted in the absence of scores from the GRE general test or the GMAT, as applicable. The conditional student may be granted a permit to register for one semester only, pending a decision on his/her application for admission. A conditional student is not a visiting student. If the student with conditional status is subsequently unconditionally admitted to the Graduate School, there is no guarantee that the courses taken before unconditional admission will be counted toward a degree. Acceptance of previous courses will depend upon the recommendation of the advisor and the approval of the Graduate School. The degree-seeking applicant who enrolls as a conditional degree student accepts the risk of termination from the program if the conditional status is not cleared in the student's first semester.

Probationary Admission: A student who does not meet the minimum grade point requirement but whose academic record and entrance examination scores give promise of high performance may be admitted as a probationary degree student. This admission must be based upon other

documentation that the department or school deems important. Examples include exceptional scores on standard or additional examinations, interviews, letters of recommendation, exceptional grades in previous graduate work, samples of original work and/or demonstrated performance ability. Such recommendations for admission will be forwarded to the Graduate School for approval only if the student does not meet the minimum grade point average of 2.8 or not lower than 2.2 in the last 60 semester hours of undergraduate work. A student who meets the Graduate School established minimums but not the department's or school's minimum admission requirements may be admitted by the department or school on a probationary basis without approval from the Graduate School. Such admission may be restricted to a trial period of one semester. Any special restrictions of this type will be noted on the admission form along with other requirements for continued graduate study. These may include the successful completion of specific courses or projects, the obtaining of a minimum specified grade point average, and/or other requirements. If these requirements are not met, the student may be dismissed from the program at the end of one semester upon the recommendation of the department or school and approval of the Graduate School.

Appeal of Denial of Admission to a Graduate Program:

Graduate admissions to Illinois State are decentralized; as long as the student meets university minimum requirements, the admission decision rests with the specific academic program to which the student has applied. Students who have questions about a denial of admission should begin by speaking to the graduate coordinator of the program, who will tell them why the admission was denied (e.g., the student's grades or test scores fell below program admission requirements, there were not enough spaces for all applicants and other applicants were more qualified, or there was not a good fit between the student's educational goals and the opportunities available in the graduate program).

Students who wish to appeal a denial of admission after discussion with the program's graduate coordinator should make a written request to the chair or director of the department or school that houses the program. The chair/director will review the decision and notify the student of the outcome of the review. The final opportunity for substantive review of the admissions decision is a written appeal to the dean of the college that houses the program. The dean or designee will review the decision and inform the student, the graduate coordinator, and the program's department chair or school director of the outcome of the review.

Because the admissions decision rests with the academic unit, the Graduate School conducts only a procedural review; it does not undertake a reconsideration of the student's application materials. Students who wish to request that procedural review should make a written request to the Director of Graduate Studies. The request must include a copy of the dean's letter to the student. The Graduate Admissions Committee will examine only whether the program followed established guidelines and procedures when it reached the decision to deny admission. The Committee will report its findings to the student, the program's gradu-

ate coordinator, the department chair or school director, the dean of the college, and the Director of Graduate Studies.

Students who believe that a denial of admission was discriminatory should contact the Office of Equal Opportunity, Ethics, and Access.

Deficiencies: When an applicant has been accepted, the department or school advisor will indicate any courses that may be required to remove undergraduate deficiencies. The department or school also may specify certain graduate courses which will be required in addition to those listed in the catalog and will designate which, if any, of these courses may be used in meeting requirements for the degree.

Immunization/Medical Requirements: All students admitted to Illinois State University are required, by Public Act 85-1315, to provide proof of immunity for tetanus, diphtheria, measles, mumps and rubella. **Documentation of immunity must be complete and on file in the Student Health Services by July 1 (incoming summer students), August 1 (incoming fall students) and January 10 (incoming spring students).**

Proof of immunity must include a tetanus/diphtheria booster within 10 years of attendance at Illinois State University; two measles immunizations, both after one year of age and after December 31, 1968; one mumps immunization after one year of age and after December 31, 1967; one rubella immunization after one year of age and after December 31, 1968.

You should begin to gather the records from your physician or high school that verifies the dates that you received these vaccinations. **All immunization dates must be signed and certified by a physician or public health official.**

Please note, that a physical examination is not required. International students are required by University regulations to have a TB screening test within ten days of their arrival on campus. The Student Health Services strongly recommends that all students have immunization against Hepatitis B (a series of three injections), immunization against bacterial meningitis, and a second immunization against mumps.

Information and further instructions for meeting the above requirements will be provided via future communication from the Student Health Services for all incoming students. The Student Health Services recommends completion of the immunization information as soon as possible. Students not in compliance with the immunization requirements by the 10th class day of the entering semester will have subsequent semester registrations blocked and be assessed an administrative non-compliance fee. Further information can be obtained by calling the Student Health Services Health Information Management department by phone at (309) 438-7559 or by visiting the Student Health website at StudentHealthServices.IllinoisState.edu.

Assistance: For assistance with the admissions process, please contact the Admissions Office, Campus Box 2200,

Normal, Illinois 61790-2200 U.S.A., or call (309) 438-2181 (inside the U.S. 1-800-366-2478).

For assistance with immigration information, housing, travel, or personal problems, please write to Director, Office of International Studies, Campus Box 6120, Illinois State University, Normal, Illinois 61790-6120, U.S.A., or email OISP@IllinoisState.edu.

For more information regarding graduate assistantships, contact the school director, department chairperson, or graduate coordinator of the department, school, or unit to which you are applying.

Domestic Student Admissions Process

Eligibility: A student who has completed work for a bachelor's degree or its equivalent, or who will do so within one academic year at a college or university that is accredited by the appropriate regional accrediting association, may apply for admission to the University as a graduate student. Only those who have received a bachelor's degree and have been admitted to the University will be permitted to register for graduate coursework. However, exceptions may be made for undergraduate seniors at Illinois State to begin graduate work if they meet the conditions of the Seniors Taking Graduate Courses for Graduate Credit Policy. See the section on Degree and Certificate Completion requirements.

Required Application Materials: Visit the Office of Admissions website, Grad.IllinoisState.edu/admission for detailed admission information for each graduate program. Each prospective student who wishes to enroll in courses for graduate credit is required to submit the following:

1. Application Form: Complete the application form at IllinoisState.edu/apply.
2. Transcripts: An official transcript from each college or university other than Illinois State University at which graduate, undergraduate, or non-degree credit was earned.
3. Application Fee: A nonrefundable application fee must be submitted with the application. Former Illinois State University graduate students applying to the same level are exempt from the fee. Under certain circumstances, applicants may be eligible for a waiver of the application fee; additional information about fee waivers may be obtained from the Admissions Office. The application fee is waived for McNair Scholars and Project1000 applicants. McNair Scholars and Project 1000 applicants should contact the Office of Admissions for waiver instructions.
4. A Criminal Activity and Disciplinary Disclosure: Illinois State University is committed to maintaining a safe and positive environment for all members of the University community. Therefore, applicants will be required to disclose information regarding criminal background. In addition, applicants must also report misconduct that resulted in disciplinary separation from a previous school and/or university. These cases will be reviewed by the University prior to an admission decision being made. Such disclosure does not

automatically disqualify an applicant. For additional information, please contact the Office of Admissions.

Supplemental Application Materials: Individual departments or schools may require additional application materials. Letters of recommendation addressing specific items are required from most programs. The process for letters of recommendation is detailed on the individual program websites.

The Graduate Record Exam (GRE) is required for application to most master's degree programs and nearly all doctoral programs. The Graduate Management Admission Test (GMAT) is required for application to the College of Business programs. Students should contact their department or school for individual requirements.

Some departments and schools require such things as portfolios, writing samples, and a goal statement, among others. See the specific department for details.

Testing Arrangements: Arrangements for taking the GRE can be made with Educational Testing Service (ETS) at www.ets.org or by calling GRE at 1-888-473-7267. Official GRE score reports must come directly from ETS. The institution code to forward scores to Illinois State University is 1319.

Arrangements for taking the GMAT can be made with Graduate Management Admission Test at www.mba.com or by calling 1-800-717-GMAT. Official GMAT score reports must come directly from Pearson VUE.

Application Deadlines: Many graduate programs have specific due dates for applications and required documents and information. Also note, some programs only offer a fall admission option. For deadline information for each graduate program, visit the Graduate School website at Grad.IllinoisState.edu/admission. For programs that do not have deadline dates, it is advised that prospective students have an application and all required documents and information submitted by May 1 for summer or fall entry and October 15 for spring entry. Many graduate programs have earlier deadlines than are listed here. Check with the department or school of the intended program to see if there is an earlier deadline.

Readmission of Former Students: Graduate students who wish to return to the University after a lapse in registration of one calendar year or more should apply for readmission at IllinoisState.edu/apply. Students who are NOT in good academic standing and who have NOT maintained continuous enrollment (excluding summer terms), and who wish to return to the University are required to apply for readmission. Those students with less than a one calendar year lapse may register for classes without completing a readmission application. Students whose time limit for completion of degree has expired must submit a Request to Extend Time Form to the Graduate School at the time of application. The form may be obtained from the Graduate School.

Graduate students who were previously admitted but never registered may contact the Admissions Office and request

their original application be updated. After a period of three terms, however, a new application is required. Students may request a new degree program on their readmission application, however they must also submit all necessary required documents and information to be considered for the new degree program.

International Student Admissions Process

Eligibility: Any individual who currently holds a non-immigrant visa of any type or is seeking admission to the University under a non-immigrant visa of any type is considered to be an international student. An international student holding the equivalent of, or completing, a U.S. baccalaureate degree from a recognized international post-secondary college or university, as determined by the Graduate School, may apply for admission.

A student whose native language is not English is required to submit either a Test of English as a Foreign Language (TOEFL) score or International English Language Testing System (IELTS) score. The minimum TOEFL score required for international graduate admission is 79 (Internet-based testing), or 550 (paper-based). The minimum IELTS score is a 6.5 band. Students recommended for admission with scores lower than the minimum must be approved by the Graduate School. Departments and/or schools may require a higher score at their discretion.

Individual departments and schools may establish a policy, subject to approval by the Graduate School, to waive the requirement for students who have or will have (prior to attendance) a bachelor's degree from an accredited U.S. college or university if the student has resided in the U.S. for at least one year at the time of application.

Required Application Materials: Visit the Office of Admissions website, Grad.IllinoisState.edu/admissions, for detailed admission information for each graduate program. Each prospective student who wishes to enroll in courses for graduate credit is required to submit the following:

1. Application Form: Complete the application form at IllinoisState.edu/apply.
2. Official academic records (one in English and one in the native language), verified with fresh seals and signatures, sent directly from each college or university attended.
3. Application Fee: A nonrefundable application fee must be submitted with the application. Former Illinois State University graduate students applying to the same level are exempt from the fee.
4. Official TOEFL score, sent directly from Educational Testing Services (ETS), or official test score of the International English Language Testing Systems (IELTS) sent directly from the testing center that administered the test. The institution code to forward scores to Illinois State University is 1319.
5. Other required tests such as the GRE if required by the department.
6. Financial Documentation: Although not required for

admission, proof of finances must be received for students seeking F-1 (student) status, before any immigration paperwork (I-20) can be issued. The Declaration of Finances must show assured support for the first year. Bank certification is required for the first year's funds. If funds are from a source other than the applicant, the sponsor must sign the form and verify the amount of financial support pledged. For students who plan to attend on a visa status other than F-1 student status, proof of that status is required.

7. Passport: A copy of the student's current passport, if available, is requested to ensure that the spelling of all names is consistent.
8. Criminal Activity and Disciplinary Disclosure: Illinois State University is committed to maintaining a safe and positive environment for all members of the University community. Therefore, applicants will be required to disclose information regarding criminal background. In addition, applicants must also report misconduct that resulted in disciplinary separation from a previous school/university. These cases will be reviewed by the University prior to an admission decision being made. Such disclosure does not automatically disqualify an applicant. For additional information, please contact the Office of Admissions.

Supplemental Application Materials: Individual departments or schools may require additional application materials. Letters of recommendation addressing specific items are required from most programs. The process for letters of recommendation is detailed on the individual program websites.

The Graduate Record Exam (GRE) is required for application to most master's degree programs and nearly all doctoral programs. The Graduate Management Admission Test (GMAT) is required for application to the College of Business programs. Students should contact their department for individual requirements.

Some departments and schools require such things as portfolios, writing samples, and a goal statement, among others. See the specific department or school for details.

Testing Arrangements: Arrangements for taking the GRE can be made with Educational Testing Service (ETS) at www.ets.org or by calling GRE at 1-888-473-7267. Official GRE score reports must come directly from ETS. The institution code to forward scores to Illinois State University is 1319.

Arrangements for taking the GMAT can be made with Graduate Management Admission Test at www.mba.com or by calling 1-800-717-GMAT. Official GMAT score reports must come directly from Pearson VUE.

For TOEFL and IELTS tests, the test bulletin of information and registration forms are usually available at America embassies and consulates, offices of the United States Information Agency, or online at www.ets.org or www.ielts.org.

Application Deadlines: Many graduate programs have specific due dates for applications and required documents and information. Also note, some programs only offer a fall admission option. For deadline information, visit Grad.IllinoisState.edu/admission. For programs that do not have deadline dates, general deadlines for international student applications are May 1 for the fall (August) term, October 15 for the spring (January) term, and April 1 for the summer (May/June) term.

Readmission of Former Students: Graduate students who wish to return to the University after a lapse in registration of one calendar year or more should apply for readmission at IllinoisState.edu/apply. Students who are NOT in good academic standing and who have NOT maintained continuous enrollment (excluding summer terms), and who wish to return to the University are required to apply for readmission. Those students with less than a one calendar year lapse may register for classes without completing a readmission application. (Note: International students must contact International Admissions with any lapse in attendance.)

Students whose time limit for completion of degree has expired must submit a Request to Extend Time Form to the Graduate School at the time of application. The form may be obtained from the Graduate School.

Graduate students who were previously admitted but never registered may contact the Admissions Office and request their original application be updated. After a period of three terms, however, a new application is required. Students may request a new degree program on their readmission application, however they must also submit all necessary required documents and information to be considered for the new degree program.

Non-degree Graduate-level Certificate Admissions Process

Admissions Procedure:

1. Complete an application and pay the application fee.
2. Submit all official college transcripts showing that a degree has been earned from an accredited institution.
3. Contact the appropriate graduate program coordinator to evaluate preparedness for coursework within the specific certificate course of study.

Subsequent Admission to a Degree Program

Individuals in a graduate-level certificate program who subsequently wish to apply to a degree program will go through the usual admissions process for a master's degree, using the usual documentation (transcripts, standardized scores, etc.).

Visiting Student

A visiting student refers to an individual who is taking classes without having been admitted to any degree program or to any program of study leading to a certificate.

A visiting student may enroll without submitting official transcripts to the Office of Admissions but is required to sign a disclaimer statement upon admission asserting she/he has met the requirements for enrollment. The disclaimer statement reads as follows:

Enrollment as a visiting student does not constitute admission to a degree program or to a program of study leading to a graduate level certificate. There is no guarantee that credits earned from enrollment as a visiting student will be applicable to a degree or certificate at Illinois State.

Admission as a graduate visiting student does not guarantee availability of desired classes, as courses in some programs are limited only to students admitted into those programs. A visiting student may register for courses which he or she has the prerequisites AND for which the department or school offering that program has approved enrollment of visiting students. Many departments and schools do not permit visiting student enrollment; others restrict access to certain courses. Students should check to see whether or not they can take the class(es) they desire before submitting the visiting student application.

If a visiting student decides to pursue a degree at Illinois State, he or she may petition that previous courses taken may be accepted in meeting requirements for a degree. If the petition is recommended by the advisor and approved by the Graduate School, a limited number of courses may be counted toward a degree. Normally, petitions are not approved for more than 12 hours, but under special circumstances up to one-half of the hours of a master's degree program may be approved to be counted toward a degree.

ACADEMIC POLICIES AND PROCEDURES

Good Standing

A student must remain in good standing during the entire enrollment in graduate studies at the University. Good standing includes maintaining a minimum 3.0 cumulative graduate GPA, satisfying any program-specific requirements for good standing, and making satisfactory progress to degree. Students who fail to meet this requirement will either be dismissed from graduate studies or placed on academic probation by the Graduate School.

Probation

A student may be placed on probation for a time period not to exceed 9 credit hours. A student who fails to return to good standing by the end of this recommended time will be dismissed from graduate studies. A student must be in academic good standing to be admitted to candidacy for a degree to graduate.

Course Registration

Students at Illinois State University register in the new system named “Go Illinois State.” Help with registration may be obtained at the Registrar Service Center, in 107 Moulton Hall, or by calling (309) 438-2188. For office hours, visit the University Registrar website Registrar.IllinoisState.edu. Registration may be accomplished during the advance registration period or the additional registration periods prior to the start of the semester. There are several helpful resources to assist you with using Go Illinois State.

Academic Load

Students are considered full time if they register for 9 or more hours during the fall and spring semesters and 6 or more hours in the summer session. A student may register for no more than 15 hours in the fall and spring semester. In the 12-week summer session the maximum load is 12 semester hours. Fees for Student Health Insurance are automatically assessed for full-time students only. Student fees are assessed on a per hour basis. For graduate students in their final semester or on a 9-12 month internship, who have completed all coursework, and whose culminating experiences include thesis/dissertation or internships related to certification/accreditation, a full-time academic load would consist of at least one hour of thesis/dissertation or professional practice credit. Fees for Student Health Insurance will not automatically be assessed for these students. Students who desire the “1 credit hour equals full time” designation must be approved for that designation by their graduate coordinator, who will contact the Graduate School for registration.

If a student holds an assistantship the academic class load is 9 hours in the fall and spring semesters. A graduate assistant in their last semester of graduate studies who needs fewer than 9 hours to complete the degree must have a Graduate Assistant Course Load Waiver Request

approved before the beginning of the last semester by his or her graduate advisor and by the Graduate School. Graduate assistants taking more than 12 hours must have the approval of their graduate advisor.

Subject to departmental or school approval, master’s students writing theses who have completed all of their coursework and the 4-6 hours of Thesis (499) may either register for:

- one or more hours of Thesis (499), depending on the student’s need to be considered a full time student or to make up for continuous registration deficiencies;
- one hour of Thesis Audit (499A01), which does not contribute to full time enrollment; or
- 499A90 if the student is in the last semester of the program. 499A90 may be taken one time and is considered full time.

Subject to departmental/school approval, doctoral candidates who have completed all of their coursework and the 15 hours of Doctoral Research (599) may either register for:

- one or more hours of Doctoral Research (599), depending on the student’s need to be considered a full time student or to make up for continuous registration deficiencies;
- one hour of Dissertation Audit (599A01), which does not contribute to full time enrollment; or
- 599A90 if the student is in the last semester of the program. 599A90 may be taken one time and is considered full time.

Note: Graduate assistants registering for fewer than 9 hours in fall or spring, or fewer than 6 hours in summer, will not have the insurance fee automatically assessed. Those graduate assistants must apply for the insurance through their student account on My.IllinoisState.edu before the fifteenth calendar day of each semester and the eighth calendar day of the summer session to pay premiums or within 15 days of the assistantship start date.

Students registered for a thesis (499A01) or dissertation (599A01) audit hour only, are not eligible to purchase university insurance. To be eligible to purchase university insurance a student will need to register for regular Master’s Thesis (499) or Doctoral Research (599) hours.

Auditing Privileges

A student may register as an auditor in a class or classes if facilities are available. An auditor does not participate in the activity of the class but is expected to attend regularly. An Audit (AU) designation will appear on the student’s transcript when the instructor certifies that the student has attended the class on a regular basis. If the student has not attended regularly, a WX will be recorded on the transcript after the instructor has sent a written notification to the University Registrar that the student

has not attended regularly. To register as an auditor, a student must register for the course. Then the student must get the instructor's signature on an auditor's permit, which can be obtained from the University Registrar. Students must register to audit a course by the tenth day of classes in the semester with any exception having the approval of the department chairperson or school director of the department or school in which the course is offered and the Graduate School. The auditor fee is shown in the costs section of this catalog. Audited courses are considered part of the student's total load.

Grading System

Instructors assign a letter grade in each course for which the student is registered and are responsible for correcting any error in grading. The grade point equivalents are 4 for A, 3 for B, 2 for C, 1 for D, and 0 for F. Courses completed at this University with grades below C will not count toward a graduate degree or certificate, but all grades of D and F in graduate courses at this University will be included in computing the cumulative grade point average. (See Repetition of Course Requirements section below.) Graduate courses are not available on Passing/Not Passing (P/NP). Credit/No Credit (CR/NC) is provided only where approval through the curricular process has been obtained.

Incomplete Grades

An incomplete (I) will be assigned to a student who is doing passing work but finds it impossible, because of reasons beyond her or his control, such as illness, to complete the required work by the end of the term. The student must have attended class to within three weeks of the close of the semester or a proportionate time for a summer session or short course, and the quality of the work must be such that the student can complete it through special assignments and/or examinations. The instructor will specify (1) the date by which the required work must be completed, which will be no later than the final class day of the corresponding term of the following academic year, and (2) the default grade (B, C, D, or F) which will be assigned if the work is not completed by the specified date. The student will be notified of the default date and grade. Once a default grade has been placed on a student's record, it can be changed only with the approval of the Graduate School. For graduating students, incompletes in courses listed on their Degree Audit must be removed in Academic Records at least three weeks prior to the end of the final examination period.

Deferred Credit

Deferred credit (DE) is always given in research and performance courses leading to a thesis, dissertation or exhibition. Credit will be allowed when the student satisfactorily completes all requirements for the program. Deferred credit (DE) is not used in computing the cumulative grade point average.

Repetition of Course Requirements

If a student completes a course or drops a course after the tenth day of classes receiving a grade of WX, he or she

may repeat that course once. For students receiving a letter grade of B, C, D, or F the course repetition must occur at Illinois State University. When a course has been repeated at Illinois State University, the most recent grade (A, B, C, D, F, WX) that the student earns will replace the previous grade in the cumulative GPA calculation. A grade of WX will not replace the previous grade. The previous grade will not be removed from the student's transcript, and only the credit hours from the last attempt can be used toward meeting minimum hourly requirements toward degree completion. Requests for a third or subsequent enrollment for a course are initiated with the student's advisor. The advisor then reviews the request and forwards it to the Graduate School. Students repeating a course to improve their GPA should be aware that many professional and graduate schools recalculate GPAs to include all courses attempted. This regulation does not apply to general courses or courses marked as repeatable.

Missing Grade

A missing grade (M) is assigned when no grade has been received after the grade submission deadline has passed. For graduating students, a missing grade must be removed at least six weeks before December or May commencement or two weeks before August graduation. Instructors must file a grade change form as students will not be allowed to graduate with a missing grade on their record.

Disciplinary Hold

A student may not graduate with a disciplinary hold on his or her record.

New Start Policy

Students who leave an Illinois State graduate degree program and return to Illinois State to pursue a different graduate degree may begin the new degree program with a new graduate GPA calculated from the point of their readmission to the Graduate School as long as (1) the student is admissible to the new graduate program at Illinois State and meets all the criteria established by the Graduate School; (2) the student has not enrolled at Illinois State University for a period of at least three years; and (3) the New Start provision is approved by the new department or school at the time of readmission.

Graduate courses taken prior to being readmitted to the Graduate School will not apply or count toward the graduate program for the new degree. Students may exercise the "New Start" option only once and must follow the re-entry catalog. Such students will have "New Start" indicated on their transcript.

Transfer of Degree Programs

A transfer from one degree program to another requires approval of the receiving department or school through the formal application process. The student must apply to the new department or school and be accepted before being allowed to transfer to that department or school.

Withdrawal and Dropped Courses

Students are strongly advised to complete all courses in which they enroll and are encouraged to avoid withdrawing from any course after the program change period unless absolutely necessary.

Withdrawal/Dropped Courses with Maintained

Enrollment: The following policy applies to students who drop a course or courses but maintain an enrolled status within the University: A student may withdraw from a course during the program change period without the withdrawal being shown on the transcript. A student should consult the Registrar's website Registrar.IllinoisState.edu to obtain specific dates.

After the tenth day of classes, but prior to the end of the eighth week of classes during any regular semester, a student with photo identification may withdraw from a full semester course by reporting to the Registrar Service Center, 107 Moulton Hall.

Course withdrawal deadline information can be found on the Registrar's website at Registrar.IllinoisState.edu. For courses taken during a term lasting less than a regular semester, a proportional withdrawal period will apply. For questions regarding tuition adjustments, students should review the University Withdrawal Policy at StudentAccounts.IllinoisState.edu/withdrawal or contact Student Accounts at (309) 438-5643.

A grade of F will be given to students who (1) fail to withdraw officially from a course in compliance with the above procedure, or (2) register for a course but do not complete course requirements.

Upon the written recommendation of a licensed physician or clinical psychologist, or in other unusual circumstances, a student may be granted permission to withdraw officially from a course for medical, psychological, or other similar reasons after the official withdrawal period upon receiving approval from the University Registrar, or his designee. If approval is granted, a grade of WX will be awarded.

Withdrawal/Dropped All Courses: The following policy applies when a student drops all courses in which he or she is enrolled, which is known as withdrawal from the University. Students are strongly advised to complete courses in which they are enrolled and not to withdraw from the University unless absolutely necessary.

Before the end of the twelfth week of classes during any regular semester, a student reports to the Registrar Service Center in 107 Moulton Hall or writes to the Office of the University Registrar at Campus Box 2202 to withdraw from the University.

If a student's written request to withdraw from the University is granted, all grades will be assigned in the same manner and under the same provisions as the regular course withdrawal guidelines. The instructor of each course assigns a WX or letter grade as appropriate depending on the date and circumstances of withdrawal. If medical or other reasons make it impossible for the student to follow

the usual procedures, a letter requesting withdrawal that explains the situation, with appropriate documentation and the student's signature, will be sufficient. Withdrawals made by mail are addressed to Office of the University Registrar, Illinois State University, Campus Box 2202, Normal, IL 61790-2202, or by fax to (309) 438-8652.

Regardless of the circumstances of withdrawal, the student is responsible for returning any laboratory equipment and library materials and paying for any parking fines. Students should consult the University Withdrawal Checklist located on the University Registrar's website at Registrar.IllinoisState.edu for a listing of other offices that the students will need to notify regarding withdrawal.

A grade of F will be given to students who (1) do not attend their courses but fail to withdraw from the University before the specified final withdrawal date, and to students who (2) register for a course but do not complete course requirements. In unusual cases, exceptions may be granted by the University Registrar.

Changes in Schedule Policy

A student who drops a course will be charged according to the following schedule:

1. If the reduction is on or before the fifteenth calendar day after the first regularly scheduled class day, tuition and fees are reduced by 100 percent except for health insurance.
2. If the reduction is after the fifteenth but no later than the thirtieth calendar day after the first regularly scheduled class day, the student will be charged 75 percent of tuition and 100 percent of fees.

ACADEMIC DISHONESTY

Policy B1. Academic Dishonesty.

Students are expected to be honest in all academic work. A student's attachment of his or her name on any academic exercise shall be regarded as assurance that the work is the result of the student's own thought, effort, and study. Violations include such behavior as:

- a. Possessing or utilizing any means of assistance (books, notes, papers, articles, third parties, etc.) to complete any assignment, quiz, or examination unless specifically authorized by the instructor. Students are prohibited from conversation or other communication in examinations except as authorized by the instructor.
- b. Acting with intent to deceive the person in charge, such as falsifying data or sources, providing false information, etc.
- c. Plagiarizing. For the purpose of this policy, plagiarism is the unacknowledged appropriation of another's work, words, or ideas in any themes, outlines, papers, reports, speeches, computer programs, artwork, musical scores, performance, or other academic work, regardless of

intent. This includes all forms of intellectual property that can be copyrighted, patented, or trademarked, whether published or unpublished. Students must ascertain from the instructor in each course the appropriate means of documentation and/or attribution.

- d. Submitting the same paper for more than one university course without the prior approval of the instructors. A student may only submit an assignment once during their affiliation with the University unless provided explicit permission of the instructors.
- e. Willfully giving or receiving unauthorized or unacknowledged assistance on any assignment. This may include the reproduction and/or dissemination of test materials. Both parties to such collusion are considered responsible.
- f. Substituting for another student in any academic assignment.
- g. Being involved in the unauthorized collection, distribution advertisement, solicitation, or sale of term papers, research papers, or other academic materials completed by a third party.

In cases of group assignments, unless otherwise indicated by the instructor, all parties to the assignment are responsible for the submission of any final product, and bear responsibility for the integrity of the product. Students participating in group projects may be held responsible for the actions of other group members unless it can be established that a group member was not aware, and reasonably could not have been aware, of any material that violates University expectations.

Academic integrity expectations apply to all forums used for the collection and dissemination of knowledge, including in the classroom, written and electronic assignments, online participation, field work, and publications.

For the purpose of this policy, it should be noted that the University holds graduate students to a higher standard given the academic rigor of graduate programs and the fact that students in graduate programs are already degreed students. As such, graduate students may face more severe levels of sanctioning for academic misconduct, and may also face repercussions in their academic departments and assistantships.

For more information visit Student Conduct and Conflict Resolution at: DeanOfStudents.IllinoisState.edu.

DEGREE AND CERTIFICATE COMPLETION REQUIREMENTS

Master's Degrees

Master of Business Administration - Requirements for this degree are listed in the section devoted to the College of Business.

Master of Science - Refer to departments and schools for specific requirements.

Master of Science in Education - The Master of Science in Education degree may be awarded to students who have met the requirements as designated in the individual departments or school in the College of Education. Refer to departments for specific requirements.

Master of Music and Master of Music Education - Requirements for these degrees are listed in the School of Music section.

Master of Fine Arts (Art and Theatre) - Requirements for these degrees are listed in the school sections of this catalog and also under the heading of Master of Fine Arts.

Master of Social Work - See school section for information.

Master of Science in Nursing - See Mennonite College of Nursing section for information.

Integrated Bachelor of Science/Master of Professional Accountancy - See department section for information.

General Degree Requirements: Master of Arts - The Master of Arts degree is awarded to a student who has completed an appropriate degree program and met the foreign language requirement for this degree at the college level. This requirement may be met by:

1. Completing a minimum of four semesters (or its equivalent) in one foreign language. The requirement may be met by earning a grade of C or better (or Credit or Pass) in the courses at either the graduate or undergraduate level.
2. Obtaining a satisfactory score on a university administered language examination approved by the Graduate School available in French, German, or Spanish at the University College Office. For additional information visit UniversityCollege.IllinoisState.edu/testing.
3. Other methods as determined by the department or school with approval by the Graduate School.
4. Students whose native language is not English may, with departmental or school approval, petition the Graduate School to substitute proficiency in the English language as fulfillment of the language requirement.
5. Students wishing to use American Sign Language as the language requirement may do so if they have completed 4 semesters of ASL for credit at an accredited college or university (no adult education courses). Proficiency may also be tested but requires the use of an outside consultant. A fee will be assessed if a proficiency test is needed.

Degree Options and Credit Requirements: Master's degrees are offered for the Master of Arts (M.A.), Master of Science (M.S.), and several professional master's degrees. The M.A. and M.S. degrees focus on methodology and practice of research and scholarship in the discipline. The M.A. and M.S. degrees require a minimum of 30 semester hours, a final examination or culminating experience, and, in some fields, a thesis reflecting original scholarship or research.

The following are the degree options, however, not all programs offer both options:

1. Master's Degree with Thesis: No more than 6 and no less than 4 semester hours for thesis research and writing may be counted toward satisfying the 30 semester hour minimum of graduate work for a master's degree with thesis. Fifty percent of all non-thesis hours must be at the 400 level and above.
2. Master's Degree without Thesis: Consists of at least 30 semester hours of graduate work and includes a Comprehensive Examination and/or a culminating requirement demonstrating a mature application of skills and knowledge (e.g., professional practice, project, colloquia, recital).

Degree Audit: A degree audit documents courses, credit hours, grades and other degree requirement specifics. The degree audit is to be completed no later than the beginning of the last semester in which the student is enrolled prior to graduation. The due dates are posted on the Graduate School website. A student cannot graduate without an approved degree audit on file.

Once an option has been approved on the formal degree audit, it can be changed only with approval of the student's academic advisor. However, when a degree audit is submitted to the Graduate School in the semester of anticipated completion, it can be changed only with written approval of the academic advisor and the Graduate School. The degree audit form is available at Grad.IllinoisState.edu/academics/forms.

Course Limitations: There are limitations to the number of courses that may be taken. They include but are not limited to:

1. Candidates for a master's degree may present no more than 9 total hours of credit from general courses 393, 397, 400, 493, and 498.
2. Master's degree students may only take a maximum of 6 credit hours from 400 Independent Study.
3. Students may transfer up to 9 credit hours from another university if they meet the requirements outlined on the Transfer of Credit form. See details below.
4. A visiting student may use up to 12 credit hours toward a degree once they are admitted into the program.
5. Fifty percent of all non-thesis hours must be at the 400 level and above.

Transfer Credit: Upon recommendation of the department or school where the student is enrolled and with the approval of the Graduate School, a student may present a maximum of nine semester hours of graduate credit from another college or university that is accredited by the appropriate regional accrediting association for use in meeting the requirements of the master's degree. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. Transfer credit may not be used in meeting the minimum number of 400-level credit hours required for the master's degree. The work must not form part of a degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the department or school. A student who plans to take work elsewhere should obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University. Correspondence courses and independent studies are not accepted toward a master's degree.

To be considered for transfer of credit, a course must be taught at the graduate level and the student must have received at least a B grade in the course. In addition, a departmental or school evaluation of all courses presented is necessary prior to consideration by the Graduate School. The Request for Transfer of Credit form is at: Grad.IllinoisState.edu/academics/forms.

Residency Requirements: Except in the School of Art and Department of Communication Sciences and Disorders, a candidate for a master's degree is not required to complete a residency requirement. For specific requirements of the department or school refer to the department or school program description.

Time Limitations: All requirements for the master's degree must be completed within six calendar years, beginning with the date the student first registers as a degree student. This time limit applies to enrollment in all graduate course work in the student's program including work for which transfer credit is allowed, as well as courses taken as a visiting student if the student wants to use the courses toward a degree. A Request to Extend Time to Complete Masters/Doctoral Degree Program must be completed by the student, graduate coordinator, and, if applicable, thesis chair, and submitted to the Graduate School for approval or denial. To access this form visit Grad.IllinoisState.edu/academics/forms.

If a course taken to complete the requirements for the master's degree is not within the six-year period allowed for the degree program, the student's department or school may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department or school offering the course through successful completion of an appropriate examination or other assessment if available from the department or school. Otherwise, outdated coursework must be deleted from, and other course work must be substituted in, the degree audit.

Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. Individual departments and schools may have more stringent timelines. When graduate study is interrupted by military service or other contingencies, the six year limit may be extended with the approval of both the department or school and the Graduate School.

Admission to Candidacy: To be admitted to candidacy for the master's degree the student must have a Degree Audit on file in the Graduate Office, completed all deficiencies, a minimum G.P.A. of 3.0 in graduate course work at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School if choosing a thesis option.

Comprehensive Examination: For the comprehensive examination option, a comprehensive examination must be taken by each student before receiving the master's degree. The content, process, scheduling, administration, and evaluation of the examination (oral, written, performance, or otherwise) are to be determined by each department and school. To apply for comprehensive examinations a student must be in good standing in a program, and have a Degree Audit on file in the department or school, not be on academic probation, and have a cumulative GPA of at least 3.0 at the time of the examination.

A student who fails the examination must wait until the next academic term before repeating the entire examination unless there are reasons that make an exception advisable. The Graduate School is to be notified of exceptions. Students who have twice failed the examination are not to repeat the exam unless they have completed further study as prescribed by the department chair or school director. Comprehensive examinations may not be administered more than three times to individual students. Department chairs and school directors are to notify students, by letter, of examination results within thirty days from the examination date. A copy of this letter is to be sent to the Graduate School. (If it is a student's second failure, recommendations for further study and appropriate warning of the situation are to be included in the letter.) The Graduate School must receive the results from the department or school no fewer than 10 working days before the date of graduation.

Procedures for Comprehensive Examinations: After the first and second failure of comprehensive examination, the student can follow one of two courses of action if allowed by the department or school regulations:

1. Petition the department or school to select another degree option, if available, under the program.
2. Petition the department or school to repeat the comprehensive examination.

At the point of the third failure of comprehensive examination, the department or school can follow one of two courses of action:

1. Recommend that the student select another degree option, if available, under the program.
2. Recommend to the Graduate School that the student be dismissed from the degree program.

Thesis Option

Registration for Thesis Work: The student electing the thesis option must register for a minimum of four and a maximum of six hours of 499, Master's Thesis. Any student using the services of the academic faculty, staff, or the facilities of the University must be registered for the semester or term during which the services are rendered or the facilities are used including the thesis defense. Also, to register for 499 the student must actually be working on the subject under the direction of the advisor or thesis chairperson. No grade will be given for the course but credit will be entered on the student's record after the final thesis is uploaded to ProQuest and finalized by the Graduate School. No credit for 499 may be given to a student who does not complete a thesis.

Thesis Committee: A thesis is written under the direction of a thesis committee appointed in a manner specified by the department or school. The committee normally consists of three or more members of the Graduate Faculty, but shall not be fewer than two members. The committee chairperson and a majority of the committee shall be full members of the Graduate Faculty from the department or school in which the degree program is located. An associate member may co-chair a thesis with a full member. Proposed committee members who are not members of the Illinois State University Graduate Faculty must be approved by the Director of Graduate Studies. See the "Graduate Committee Information" section on the "Proposal Approval Form" to indicate the faculty who need approval to serve on the committee. A student must be admitted to a degree program in the Graduate School before a thesis committee can be appointed. The Proposal Approval Form is available at: Grad.IllinoisState.edu/academics/forms.

Thesis Proposal: The Thesis Proposal, including the title, scope, and design, must be approved by the student's thesis committee at the proposal hearing. The Thesis Proposal Approval Form should be completed after the successful proposal hearing and submitted and approved by the Graduate School before a student is admitted to candidacy to embark on thesis research. Institutional policy also requires that all research proposals involving human subjects be reviewed by the Institutional Review Board (IRB). Research proposals involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research proposals involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). The Proposal Approval Form is available at: Grad.IllinoisState.edu/academics/forms.

There is no assumption of uniformity in thesis research. For example, a student may propose a creative project in art or music. However, the completed project must meet approved standards of scholarship in the chosen field of study. In special situations, and only with the approval of the thesis committee, the department chair or school director or designee, and the Graduate School, students may collaborate on some aspects of the work contributing to their theses. However, each thesis submitted to the Graduate School for approval must be a unique product with the degree candidate as the sole author and with due acknowl-

edgment of the contribution of collaborators. The individual student must demonstrate to her or his committee satisfactory command of all aspects of the work presented.

Thesis Acceptance: A complete draft of the thesis must be uploaded to ProQuest before a "Right to Defend" will be issued to the student. The Graduate School recommends students sign up for a Format Check to ensure that format is consistent with the selected thesis style and the Formatting Guidelines available at Grad.IllinoisState.edu/academics/thesis-dissertation. After the Right to Defend (Grad.IllinoisState.edu/academics/forms) is issued, the student must file examination copies of the thesis in the departmental or school office at least one week (seven days) before the thesis defense.

The defense of the thesis is open to the public. The department or school will notify in a timely manner its faculty, students, and the Graduate School about the thesis defense in a manner consistent with its normal departmental lines of communication. Subject to reasonable expectations of the chair of the student's committee, visitors may participate in questioning and discussion relevant to the topic of the thesis. However, only members of the student's committee will vote and make a final recommendation on the acceptance of the thesis. Student must earn "Pass" from at least 60 percent of the members of his or her committee in order to pass the defense (unless a higher standard for pass is required by the department or school).

To be eligible for degree completion a student must deposit the final draft of the thesis to ProQuest and submit the Final Deposit checklist and signed Outcome of Defense form, Grad.IllinoisState.edu/academics/forms, by the deadline published by the Graduate School. Theses filed after that date will be credited toward degree completion the following semester or term. A student must be in good standing to submit a thesis. Find the Dates and Deadlines for upcoming semesters at: Grad.IllinoisState.edu/academics/thesis-dissertation.

Continuous Thesis Registration: After the Thesis Proposal approval form has been accepted in the Graduate School and a student has completed the courses on the approved degree audit and registered for four to six hours of 499 Master's Thesis, the student is required to maintain continuous registration until the deposit of the final thesis on ProQuest and approval of the final thesis in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration of 1 hour of 499 or 499A01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 499A01 may be in absentia. If circumstances prohibit continuous registration, a student must request a leave of absence from the department or school and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay

tuition for one credit hour of 499A01, at the current tuition rate, for each of the delinquent semesters upon reenrollment and/or reinstatement at the current tuition rate. Any student requesting reinstatement in a degree program after a lapse of one calendar year must complete an application for readmission. The Proposal Approval Form and Degree Audit Form are available at: Grad.IllinoisState.edu/academics/forms.

Two Master's Degrees Simultaneously: A maximum of nine (9) hours of course work is allowable to count simultaneously toward two (2) master's degrees provided certain other stipulations are met. These stipulations are as follows: (1) that the student must be admitted to the second master's program prior to the completion of the first degree, (2) that all requirements for both degree programs be met within the six year time limit, (3) that a particular thesis may not be used to meet the degree requirements for more than one degree, and (4) that not more than three hours of the nine hours allowed to count toward the second degree be generated by independent study, practicum, or workshop credit.

Two Simultaneous Sequences Within A Master's Degree Program: Two sequences offered within the same degree program may be recognized on a student's transcript if the student is enrolled in both sequences simultaneously as part of the requirements for completing the degree program. A common core of degree requirements and common sequence requirements may be shared across both sequences subject to the following limitations:

1. Students must complete the requirements for both sequences before completing the degree requirements.
2. The requirements for the two sequences and the degree program must be completed within a six year time limit from the time of admission to the degree program.
3. No more than nine hours of independent study (400), workshop (493), or professional practice (498) can be shared for both sequences and the degree program.
4. Thesis hours may be shared by both sequences.

Students who have been awarded a graduate degree are not eligible to pursue a second sequence within the same degree program under these provisions.

Undergraduates Taking Graduate Courses For Graduate Credit: Undergraduates can take graduate courses for graduate credit if they (1) are in their final semester, (2) have no more than twelve hours of undergraduate coursework to complete, and (3) have been admitted conditionally into a graduate degree program at Illinois State. Total registration cannot exceed fifteen hours in that semester. Students must graduate at the end of that academic term to receive graduate credit for the courses taken. An exception is made when students must schedule professional practice/internship/student teaching requirements during their final semester. In such cases, qualified students may register for graduate courses during the academic term preceding the semester in which the professional practice/internship/student teaching requirements are met.

All coursework taken for graduate credit must be approved by the department or school and the Graduate School BEFORE students register. A "Senior taking Graduate Courses for Graduate Credit" form for that purpose is available in the Office of Admissions.

Coursework will count toward a graduate degree only if a student qualifies under the above criteria. Coursework taken for graduate credit cannot count toward a bachelor's degree except under the provisions of integrated bachelor's/master's degree programs. This opportunity is also extended to last semester seniors of other universities who find it possible to take graduate work at this University while completing requirements for the bachelor's degree on their own campuses. Interested students should write to the Graduate School for further information. Such graduate courses cannot be used in meeting bachelor's degree requirements on their own campuses.

Integrated Bachelor's/Master's Degree Programs

An integrated degree program (B.S./M.P.A.) allows students to complete an undergraduate degree, in the same disciplinary area, within a timeframe that may be less than the traditional bachelor's and master's programs. Students take undergraduate- and graduate-level courses simultaneously beginning as early as the second semester of their junior year. Integrated degrees are normally a five- to six-year program for currently enrolled Illinois State University students. Students who wish to complete an integrated program will receive both degrees simultaneously upon completion of all program requirements for both degrees.

Admission: An applicant to an integrated program must be an Illinois State University undergraduate or a transfer student with 60 hours or less. Students who have received a bachelor's degree are not eligible for admission into an integrated program except under the provisions of obtaining a second bachelor's degree.

Admission to the integrated program generally occurs by the end of the sophomore year but with no more than 66 hours of required undergraduate coursework earned. After completing 75 undergraduate hours, the student must take any graduate standardized tests required by the program and apply for the graduate program (paying the graduate application fee). After 88 hours there is a preliminary audit of the undergraduate degree. At this time the student must have a 3.0 GPA and is eligible to enroll in graduate courses (400 level). The student remains classified as an undergraduate until 120 hours are completed, after which time they will be classified as a graduate student. Continuance in the integrated program is contingent upon meeting the minimum 3.0 GPA and other requirements needed for receiving both degrees. A department or school may establish a higher GPA for admissions and continuance.

Financial Eligibility: After completing 120 undergraduate hours, the student is (a) assessed tuition and fees at the

graduate level, (b) eligible for financial aid at the graduate level, and (c) eligible for graduate assistantships, scholarships, fellowships, or other types of support or recognition normally available to graduate students. During the last semester of the undergraduate program, a student may be eligible to hold a graduate assistantship.

Exit Options: For the integrated program, the master's with thesis (4-6 hours of 499) or master's without thesis options are utilized. The master's without thesis option includes a comprehensive examination or culminating requirement demonstrating a mature application of skills and knowledge (e.g., professional practice, project, colloquia, or recital).

Withdrawal from Integrated Programs: Students contemplating withdrawal from the integrated program should contact their advisor. Students may elect to receive the bachelor's degree if they have completed the appropriate requirements. Students who elect to receive the bachelor's degree are terminated from the integrated program and are not eligible to be readmitted to or to receive an integrated degree. Students with bachelor's degree may seek admission to the regular master's program.

Time Limit: Students have seven years from the time of first enrollment in courses as an integrated degree student to complete the program (both degrees). Requests for extensions will be processed through the Graduate School. Use the "Request to Extend Time to Complete Masters/Doctoral Degree Program" form to request an extension of time available at Grad.IllinoisState.edu/academics/forms.

Application for Degree Completion: After earning 88 hours toward the bachelor's degree, and early in the semester in which completion of the master's degree program is anticipated, the student applies separately for each degree, paying the appropriate fee for each. At that time, a master's Degree Audit is submitted to the Graduate School. For the commencement ceremony, the student is listed in both the bachelor's and master's sections of the commencement booklet and, if appropriate, listed for undergraduate honors. The application to participate in commencement is part of the degree completion application and is filed with the Graduate School Office. The commencement participation form will be forwarded to the staff in the Graduation Services unit. To locate the degree completion application visit Grad.IllinoisState.edu/academics/forms.

All policies and regulations that apply to undergraduate or graduate degree programs also apply to the integrated degree programs except as specifically differentiated in this section. The integrated undergraduate/graduate degree program offered at this time is the Integrated Bachelor of Science (B.S.)/Master of Professional Accountancy (M.P.A.).

Specialist in School Psychology

Admission: An applicant for the program leading to the Specialist in School Psychology (S.S.P.) degree must have

a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent, as determined by the Graduate School. Applicants are considered on the basis of their academic record, scores on the general test (verbal, quantitative, and analytical writing) of the Graduate Record Examination, three letters of recommendation, and a personal data form. To be admitted to the degree program a student must have at least a 3.0 grade point average (on a scale in which a grade of A equals 4 points) in the last 60 semester hours of undergraduate coursework and the approval of the academic department.

Credit Requirements: The S.S.P. degree requires the completion of a minimum of 60 semester hours of graduate level coursework including practicum experiences; a full-time internship in a school setting and a thesis or completion of the applied research experience in school psychology for which 4 semester hours of credit will be given.

Time Limitations: All requirements for the S.S.P. degree must be completed within six calendar years, beginning with the date the student first registers as a Specialist in School Psychology degree student. This time limit applies to enrollment in all graduate coursework in the student's program including work for which transfer credit is allowed. If a course taken to complete the requirements for the S.S.P. degree is not taken within the six-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge and/or proficiency of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other assessment if available from the department. Otherwise, outdated coursework must be deleted from, and other coursework must be substituted in, the degree audit. Credits more than six years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the six year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator, and if applicable, dissertation chair, and submitted to the Graduate School for approval or denial. The form may be found at Grad.IllinoisState.edu/academics/forms.

Admission to Candidacy: To be admitted to candidacy for the S.S.P. degree the student must have an approved Degree Audit on file in the Graduate School or evidence of successful completion of Psychology 402 Applied Research Experience in School Psychology, completed all deficiencies, a minimum grade point average (GPA) of 3.0 in graduate coursework at Illinois State, and a copy of the Thesis Proposal approval form on file in the Graduate School if a thesis is the culminating experience. The Degree Audit and Proposal approval forms are available at Grad.IllinoisState.edu/academics/forms.

Master of Fine Arts

Offered in the School of Art and the School of Theatre and Dance, the Master of Fine Arts (M.F.A.) is a terminal degree that emphasizes theory and practice in a particular discipline of the arts.

Admission: All regular criteria for admission to a degree program in the Graduate School of the University will apply. In addition, applicants in Theatre must audition and applicants in Art must submit a portfolio along with meeting other School requirements. This material will be reviewed by the members of the Graduate Faculty in the applicant's intended area of emphasis. After evaluations have been completed, the Office of Admissions will notify the applicant of the decision regarding admission to the M.F.A.

Academic Advisors: In the School of Art, the student in the pre-candidacy phase of the program selects a major advisor with the help of the Graduate Coordinator/Director. With the help of the major advisor the student selects a candidacy review committee of three members. The chairperson of this committee must be from the student's major area of emphasis. Normally, the candidacy review committee continues as the student's graduate committee during the candidacy phase of the program.

For a listing of program Coordinators/Directors see Grad.IllinoisState.edu/faculty/coordinators.

In the School of Theatre and Dance the director, in consultation with faculty whom the director deems appropriate, will select the candidate's Portfolio Committee. The committee chairperson must come from the student's major area of emphasis.

Curriculum Requirements: A professionally oriented program, the M.F.A. requires a minimum of 60 semester hours for a student with only a bachelor's degree or a minimum of 32 hours for a student with an earned master's degree. The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in the student's major area of emphasis. A candidate for the degree must demonstrate proficiency both as a practitioner and a teacher in one of several areas of emphasis listed in the Graduate Catalog.

Time Limitations: All requirements for the Master of Fine Arts degree must be completed within eight calendar years, beginning with the date the student first registers as a degree student. This time limit applies to enrollment in all graduate coursework in the student's program, including work for which transfer credit is allowed. If a course taken to complete the requirements for the M.F.A. degree is not taken within the eight year period allowed for the degree program, the student's school may require the student to retake the course for credit or allow the student to demon-

strate current knowledge of the subject matter. If the latter is used, currency must be demonstrated to the satisfaction of the school offering the course through successful completion of an appropriate examination or other assessment if available from the school. Otherwise, outdated coursework must be deleted from, and other coursework must be substituted in, the degree audit. Credits more than eight years old at the time of first registration into a degree program are not transferable from other institutions. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School. Use the Request to Extend Time to Complete Masters/Doctoral Degree Program form at Grad.IllinoisState.edu/academics/forms.

Transfer Credit: Credits more than eight years old at the time of first registration into a Master of Fine Arts degree program are not transferable from other institutions. The work must not form part of a completed degree program elsewhere. Under special circumstances, the Graduate School may allow a student to present a larger number of credits if recommended by the school. A student who plans to take work elsewhere should obtain prior approval indicating that the course or courses are appropriate to the student's curriculum at Illinois State University.

To be considered for transfer of credit, a course must meet the criteria outlined on the Transfer of Credit form and obtain approval from the Graduate School. The Transfer of Credit form is available at Grad.IllinoisState.edu/academics/forms.

In the School of Art, a student can transfer no more than nine semester hours of credit from any graduate program (including a master's program in Art at Illinois State University) for use in meeting the requirements of the M.F.A. degree.

In the School of Theatre and Dance, a student who does not have an earned master's degree may present a maximum of six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, the student may present all earned hours from a master's program in Theatre at Illinois State for use in meeting these requirements. A Theatre student who has an earned master's degree must earn a minimum of 32 hours in the M.F.A. program at Illinois State University.

Residency Requirement: A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement only in the School of Theatre and Dance.

Admission to Candidacy: In order to be admitted to candidacy, the student without an earned master's degree must have completed 24 hours of graduate study at Illinois State University or two semesters of full-time resident study.

The student with an earned master's degree must have completed 12 hours of graduate study at Illinois State University or one semester of full-time resident study. All students must have a grade average of B or better with no more than 5 (6 in Theatre) hours below a grade of B.

Before becoming a candidate for the M.F.A. in Art the student must pass a candidacy review that includes approval of the following items: portfolio of studio work, final Degree Audit, and proposal for the Supportive Statement (an exhibition-related written project).

Before becoming a candidate for the M.F.A. in Theatre the student must have a Degree Audit on file with the Graduate School and pass a qualifying examination which is administered by the student's M.F.A. portfolio committee. Admission to candidacy, which usually occurs in the final semester, must be satisfied before the student is allowed to schedule an exit portfolio presentation. The Degree Audit form is available at Grad.IllinoisState.edu/academics/forms.

General Course Limitations: Candidates for the M.F.A. may present no more than 15 total hours of general courses 393, 397, 400, 493, 498, and 500 toward their degree.

For additional program requirements, see the department and/or school sections of this catalog.

Doctor of Philosophy

The Doctor of Philosophy degree is designed for the preparation of individuals competent in research and scholarly inquiry whose career objectives are generally in research, teaching, consultation, or leadership roles in universities, colleges, institutes, educational agencies or private practice.

Admission: Students seeking admission to a Doctor of Philosophy (Ph.D.) degree program must submit letters of recommendation and scores on the General Test of the Graduate Record Examination if required by the department or school. An official transcript for doctoral applicants (excluding Au.D) is required from the institution conferring the bachelor's degree and all transcripts containing graduate hours. The admission grade point average is a computation of all previous work at the graduate level. Students may be required to come to the campus for an interview. Admission to a Ph.D. program will take account of personal and professional qualifications as well as scholastic records and measurement of academic ability. Admission to a Ph.D. program requires a level of preparation equivalent to a master's degree in an appropriate discipline from an accredited institution. Departments may make exceptions in specific cases. Admission requires approval by both the department and the Graduate School.

Academic Advisor: Each department is responsible for advising each student upon admittance to the program and informing the student of the source of this assistance. The student's Degree Audit must have the

approval of appropriate departmental or school officials and the Graduate School and should be submitted early in the student's program. For a complete listing of each program's graduate coordinator(s) or director(s) please visit Grad.IllinoisState.edu/faculty/handbook.

Minor Fields: A Doctor of Philosophy student may select a minor field (or fields) of study. The selection and composition of a minor field (or fields) must have the approval of the Graduate School and the major and minor departments. A minor field may, under certain circumstances, be in the same department or school as a major field.

Doctoral Residency: Full-time residency, for the purposes indicated above, consists of at least two terms. A term is one semester or a summer session of at least eight weeks.

Departments and schools may add additional residency requirements to the minimum stated above.

Full time residency is defined as at least nine semester hours of coursework during a semester or six semester hours during a summer session. Departments and schools may develop other options for meeting the residency requirement through the curricular process. Once a residency option is approved, it shall appear in the departmental or school section of the graduate catalog.

Each student will file a Declaration of Residency for approval of the department prior to entering into residency. The department or school will verify the completion of residency and then file the declaration with the Graduate School. Any exceptions to the above requirements must have the approval of the department or school and the Graduate School.

Purposes of a Doctoral Residency:

1. To orient and prepare graduate students to meet academic expectations and engage in activities that are associated with involvement in a scholarly environment within a community of scholars as they pursue their doctoral degree.
2. To engage and stimulate the intellectual, personal, and social development of graduate students in the process of inquiry.

Time Limitations: All requirements for a Ph.D., including the dissertation, must be completed by the end of eight calendar years beginning with the date the student first registers as a Doctor of Philosophy degree student. This time limit applies to enrollment in all graduate coursework in the student's program. If a course taken to complete the requirements for the Ph.D. degree is not taken within the eight-year period allowed for the degree program, the student's department may require the student to retake the course for credit or allow the student to demonstrate current knowledge of the subject matter. If the latter is used,

currency must be demonstrated to the satisfaction of the department offering the course through successful completion of an appropriate examination or other assessment if available from the department. Courses from other institutions falling outside the limitation of time may not be used in a graduate program. When graduate study is interrupted by military service or other contingencies, the eight-year limit may be extended by the Graduate School. A Request to Extend Time to Complete Graduate Degree Program must be completed by the student, graduate coordinator/director, and if applicable, dissertation chair, and submitted to the Graduate School for approval or denial. The Request to Extend Time to Complete Graduate Degree form is available at Grad.IllinoisState.edu/academics/forms.

Course Requirements: A Doctor of Philosophy degree is not granted on the basis of a student having successfully completed a certain number of courses, but upon evidence of scholarly attainment as demonstrated especially by competence in research.

Comprehensive/Preliminary Examination: The comprehensive/preliminary examination is written, or, written and oral. It is also concerned with the student's professional competence and ability to undertake independent research. The content, process, scheduling, administration, and evaluation of the examination is to be determined by each department and school. To apply for comprehensive examinations a student must be in good standing in a program, and have a Degree Audit on file in the department or school, not be on academic probation, and have a cumulative GPA of at least 3.0 at the time of the examination.

A student who fails the examination must wait until the next academic term before repeating the entire examination unless there are reasons that make an exception advisable. The Graduate School is to be notified of exceptions. Students who have twice failed the examination are not to repeat the exam unless they have completed further study as prescribed by the department chair or school director. Comprehensive examinations may not be administered more than three times to individual students. Department chairs and school directors are to notify students, by letter, of examination results within thirty days from the examination date. A copy of this letter is to be sent to the Graduate School. (If it is a student's second failure, recommendations for further study and appropriate warning of the situation are to be included in the letter.) The Graduate School must receive the results from the department or school no fewer than 10 working days before the date of graduation.

Procedures for Comprehensive Examinations: After the first and second failure of comprehensive examination, the student can, if allowed by the department or school regulations, petition the department or school to repeat the comprehensive examination.

At the point of the third failure of comprehensive examination, the department or school will recommend to the Graduate School that the student be dismissed from the degree program.

Admission to Candidacy: A Doctor of Philosophy student will be admitted to candidacy after: (a) a Degree Audit has been submitted to the Graduate School and approved, (b) the comprehensive/preliminary examination has been successfully completed and reported to the Graduate School, (c) the research tool requirement has been met, and (d) the dissertation proposal has been approved by the dissertation committee and by the Graduate School (the form is available on the Graduate School website). The Degree Audit form is available at Grad.IllinoisState.edu/academics/forms.

Registration for Dissertation Work: Fifteen semester hours of 599 Doctoral Research are required for the Ph.D. degree. Any student using the services of the academic staff or the facilities of the University must be registered for the semester or term during which the services are rendered or facilities are used. Also, to register for 599 the student must actually be working on the research under the direction of the advisor or dissertation chairperson.

Continuous Registration: Once admitted to candidacy in a Doctor of Philosophy degree program, as defined by the Admission to Candidacy policy, and after the student has completed all coursework on the Degree Audit and the required number of hours (15) of 599 Doctoral Research, the student is required to maintain continuous registration until the deposit of the final dissertation on ProQuest and in the Graduate School. The requirement for continuous registration may be fulfilled by maintaining registration in 1 hour of 599 or 599A01 (audit) each semester through the semester of degree completion. (Students registering for less than 9 credit hours in fall or spring, or less than 6 credit hours in summer, will not have the insurance fee automatically assessed. See the Health Insurance section for further information.) The requirement for continuous registration does not apply during a summer term unless the student is graduating in that term. Registration for 599A01 may be in absentia. If circumstances prohibit continuous registration a student must request a leave of absence from the department and then from the Graduate School. Any student interrupting registration without obtaining a leave of absence must pay tuition for one credit hour of 599A01 at the current tuition rate for each of the delinquent semesters upon reenrollment and/or reinstatement. Any student requesting reinstatement in a degree program after a lapse of one calendar year must direct an application for readmission to the Admissions Office.

Dissertation Committee For Ph.D.: A dissertation is written under the direction of a dissertation committee appointed in a manner specified by the department. The committee must consist of three (3) members from within the department and may include additional internal or external members at the department's discretion. The chair and a majority of the committee shall be full members of the Graduate Faculty from the department in which the degree program is located. Proposed committee members who are not members of the Illinois State University Graduate Faculty must be approved by the Director of

Graduate Studies. See the “Graduate Committee Information” section on the Proposal Approval Form to indicate the faculty that need approval to serve on the committee. All committee members must have terminal degrees. The Proposal Approval form is available at Grad.IllinoisState.edu/academics/forms.

Dissertation Proposal For Ph.D.: The student is required to file a Proposal Approval Form with the department or school and with the Graduate School for approval before embarking on dissertation research. Institutional policy also requires that all research proposals involving human subjects be reviewed by the Institutional Review Board (IRB). Research proposals involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research proposals involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). The dissertation for the Ph.D. must involve independent research and an original contribution to knowledge. See RSP.IllinoisState.edu.

Dissertation Acceptance: A complete draft of the dissertation must be uploaded to ProQuest before the “Right to Defend” (Grad.IllinoisState.edu/downloads/RighttoDefend) will be issued to the student. The Graduate School recommends students sign up for a Format Check to ensure that the dissertation is consistent with the selected dissertation style Formatting Guidelines available at: Grad.IllinoisState.edu/academics/thesis-dissertation/writing.

After the “Right to Defend” is issued, the student must file an examination copy of the dissertation in the departmental office at least one week (seven days) before the dissertation defense. The defense of the dissertation is open to the academic community of the University. The chair of the examining committee will notify the Graduate School of the date, time, location and tentative title of the dissertation two weeks prior to the defense. The Graduate School will notify the University community of the public presentation. Subject to reasonable expectations of the chair of the student’s committee, visitors may participate in questioning and discussion relevant to the topic of the dissertation. However, only members of the student’s committee will vote and make a final recommendation on the acceptance of the dissertation. The Graduate School or designee and any other members of the Graduate Faculty of that department or school may be in attendance during the committee’s deliberations. Following the defense, the student must upload the final copy of the dissertation to the ProQuest website (etdadmin.com/cgi-bin/school) and file the Outcome of Defense Form, final deposit checklist, and the original of the approved dissertation in the Graduate School prepared according to specific online dissertation guidelines, unbound, with any corrections suggested by the committee. See the complete guidelines at the following: Grad.IllinoisState.edu/academics/thesis-dissertation. Before a dissertation is finally accepted by the Graduate School, it will be examined again to verify corrections and conformity to university requirements.

To be eligible for degree completion a student must deposit the final draft of the dissertation to ProQuest and submit the Final Deposit checklist and signed Outcome of Defense form (Grad.IllinoisState.edu/academics/forms) to the Graduate School before the end of the final semester and by the deadline published by the Graduate School. Dissertations filed after that date will be credited toward degree completion the following semester or term. View Dates and Deadlines for upcoming semesters at: Grad.IllinoisState.edu/academics/thesis-dissertation.

Doctor of Education

The Doctor of Education degree is designed for the preparation of practitioners competent in identifying and solving complex educational problems and who have the ability to understand and conduct research in their field. The career objectives of program graduates generally lie in areas of education at any academic level.

For information on Admission, Academic Advisor, Minor Fields, Purposes of a Doctoral Residency, Time Limitations, Course Requirements, Comprehensive/Preliminary Examination, Admission to Candidacy, Registration for Dissertation Work, Continuous Registration, Dissertation Committee, Dissertation Acceptance, see the Doctor of Philosophy section.

Research Tool Requirement for an Ed.D.: Candidates are expected to have developed research competencies appropriate to doctoral candidates in their fields. These involve proficiencies in quantitative and/or qualitative research and may include such areas as statistics, measurement and evaluation, and field studies/ethnography.

Dissertation Proposal for an Ed.D.: The student is required to file a Proposal Approval Form with the department or school and with the Graduate School for approval before embarking on dissertation research. Institutional Policy also requires that all research proposals involving human subjects be reviewed by the Institutional Review Board (IRB). Research proposals involving animals must be reviewed by the Institutional Animal Care and Use Committee (IACUC). Research proposals involving biohazards must be reviewed by the Institutional Biosafety Committee (IBC). See RSP.IllinoisState.edu/research. A copy of the Proposal Approval Form shall be deposited in the Graduate School no later than the early part of the semester or term in which completion of the degree is expected, in accordance with the deadlines published by the Graduate School.

While the dissertation for the Ed.D. may meet the expectation for independent research and an original contribution to knowledge, it is customary to allow greater flexibility for the Ed.D. dissertation, so that it may, for instance, involve the application of existing knowledge or theory to a practical educational problem or situation. The Proposal Approval Form may be found at Grad.IllinoisState.edu/academics/forms.

Doctor of Audiology

For information on the Doctor of Audiology, refer to the Communication Sciences and Disorders Department section of this catalog.

Doctor of Nursing Practice

For information on the Doctor of Nursing Practice, refer to the Nursing Department section of this catalog.

Non-Degree Graduate Level Certificates

Graduate-level certificates are graduate courses of study approved by an academic unit designed to provide professional development and career advancement opportunities, to broaden career options, or to enhance an individual's skills or education as part of the process of life-long learning. These certificates are not part of degree programs, although courses completed as part of a certificate curriculum could be used in meeting degree requirements, where appropriate.

A non-degree graduate certificate student is one who has been formally admitted by a department or school to a specific course of study leading to a certificate. There are three types of non-degree graduate certificates.

1. Graduate Certificate: Requires a minimum of 9 but no more than 17 semester hours of graduate courses beyond the bachelor's degree.
2. Post-Baccalaureate Graduate Certificate: Requires a minimum of 18 semester hours of graduate courses beyond the baccalaureate degree, but fewer hours than a master's degree.
3. Post-Master's Graduate Certificate: Requires a minimum of 24 semester hours of graduate courses beyond the master's degree, but fewer hours than a doctoral degree.

Admission: An applicant for a course of study leading to a Graduate or Post-Baccalaureate Certificate must have a bachelor's degree from a four-year college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. For a Post-Master's Certificate, the applicant must have a master's degree from a college or university that is accredited by the appropriate regional accrediting association, or its equivalent as determined by the Graduate School. Applicants must also meet the specific requirements stipulated by the academic unit offering the certificate. The admissions procedure is outlined within the section titled General Admission Information.

Academic Advisor: A Graduate, Post-Baccalaureate, or Post-Master's certificate course of study shall have a designated coordinator or director assigned by the academic unit chair that is sponsoring the certificate to advise students and confirm completion of the certificate requirements.

For a complete listing of each certificate program's graduate coordinator(s) or director(s) please visit Grad.IllinoisState.edu/faculty/coordinators.

GPA Minimum: In order to be awarded the certificate, a student must have a minimum graduate GPA of 3.0 in the set of courses required for the certificate.

Time Limitations: All requirements for a graduate level certificate must be completed within six calendar years, beginning with the date the student first registers as a graduate level certificate student. This limitation applies to enrollment in all graduate coursework for the certificate including work for which transfer credit is allowed. Refer to the time limitation regulation for master's degrees for additional criteria which would apply.

Transfer of Credit: No more than 40 percent of coursework hours required can be transferred from other accredited institutions to satisfy the certificate requirements.

Additional Requirements and Information:

- Students must complete the same prerequisites or have the equivalent experiences as graduate degree candidates to enroll in specific courses.
- No differentiation in course requirements will exist between graduate certificate courses and graduate degree courses.
- Students seeking a graduate level certificate are subject to the academic policies and regulations indicated in the Graduate Catalog.
- There will not be university recognition of graduate level certificate completion as part of the degree commencement activities except by agreement of the College whose academic unit sponsors the certificate.
- The granting of a graduate level certificate will appear on the University transcript.

Eligibility for Financial Aid, Assistantships, or Fellowships: Certificate students are not eligible for graduate assistantships or fellowships intended for degree-seeking students nor federal financial aid. Graduate tuition waivers are granted at the discretion of the awarding unit.

Use of Courses in Degree Programs: Courses taken as part of a graduate certificate can be counted towards a master's degree following degree grading criteria if the courses are appropriate for the specific degree program, and are taken within an approved time frame.

Admission to a Degree Program: Individuals in a graduate-level certificate program who wish to apply to a degree program will go through the usual admissions process for a master's degree, using the usual documentation (transcripts, standardized scores, etc.).

Applying for Degree Completion – All Degrees and Certificates

Students must meet all requirements for their curriculum. A graduate student must apply for degree completion before the deadlines for each session as specified by the Graduate School. At the time application is made, the degree completion fee must be paid. Applications for students who fail to meet degree completion requirements for a specific session are cancelled, and the students must reapply for a later session. The application for degree completion is available at Grad.IllinoisState.edu/academics/forms.

Students completing a certificate program must complete the application for completion of a non-degree graduate level certificate program available at Grad.IllinoisState.edu/academics/forms.

Commencement – All Degrees and Certificates

Degrees are conferred and diplomas awarded after the close of each semester and summer session; commencement ceremonies, however, are held twice each year at the end of each fall and spring semester. Participation is voluntary. Graduate students who complete degree requirements during the fall semester participate in commencement exercises in December; students who complete degree requirements during the spring semester or at the close of the summer session participate in commencement exercises in May. This regulation does not apply to doctoral students. All doctoral students must complete all requirements for the degree to participate in Commencement. Additional information on commencement and conferring of degrees is available at GraduationServices.IllinoisState.edu.

Certificate students do not participate in University commencement ceremonies except by agreement of the College which sponsors the academic unit.

COLLEGES, DEPARTMENTS, SCHOOLS, AND COURSE OFFERINGS

Each student should assume responsibility for knowing the requirements for graduate programs and for complying with current regulations.

Course Numbering System

This Graduate Catalog contains courses numbered 300 to 599. Courses 300-399 are advanced undergraduate courses and are open to juniors, seniors, and graduate students. **Only 300-level courses listed in the Graduate Catalog are available for graduate credit.** To receive graduate credit, students must complete applicable graduate requirements provided in the course syllabus. Courses 400-499 are graduate courses. Courses 500-599 generally are limited to terminal degree students in programs such as the Ed.D., M.F.A., Au.D., D.N.P., and Ph.D.

The following information is given for each course, in the following order: course number (3 digits preceding the title), course title and credit value (in semester hours). Following the course description any prerequisites, restrictions on enrollment, and any special considerations are noted.

Limitation of credit: Candidates for a master's degree may present no more than 9 hours of credit from the asterisk courses toward their degrees (393, 397, 400, 493, and 498).

Workshops, Institutes and Professional Practice may be offered as graduate courses on a Credit/No Credit (CR/NC) basis. For these courses, students receive a grade of CR (Credit) or NC (No Credit). Departments may offer 393, 397, 429XX, 493 and 498 on a CR/NC basis with approval in advance by the department or school and the Graduate School. CR/NC courses cannot be computed in the GPA. To count towards a degree program, CR/NC courses must be approved through the curricular process.

General Courses

The *Repetition of Course Requirements* section in this catalog does not apply to General courses.

389 SELECTED STUDIES

1-6 sem. hrs.

Experimental and interdepartmental courses providing content not offered within the framework of courses approved for inclusion in the catalogs. For descriptions of the courses offered each semester contact the department or school advisor or visit the University website Illinois.State.edu.

393 WORKSHOP*

1-6 sem. hrs.

Advanced workshop for juniors, seniors and graduate students. Credit will be given by the department or school offering the workshop. See statement on limitation of credit above.

397 INSTITUTE*

1-9 sem. hrs.

Federal- and state-sponsored institutes or similar short term programs requiring treatment of subject matter of a special nature or for special groups. See statement on limitation of credit above.

399 STUDENT TEACHING

1-16 sem. hrs.

A special procedure allows student teaching to be available for graduate credit for selected graduate students seeking first-time teacher licensure while matriculating in a graduate degree program. Offered through Clinical Experiences and Certification Processes. Not for credit toward a graduate degree.

400 INDEPENDENT STUDY*

1-4 sem. hrs.

A maximum of six hours may be applied toward a master's degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's advisor, and the department chairperson or school director is required prior to registration. See the statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

429XX PROFESSIONAL DEVELOPMENT WORKSHOP

1-6 sem. hrs.

Intensive and applied workshop for graduate students. Designed as an opportunity for updating skills and knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department or school offering the workshop. **Not for credit toward a graduate degree program.**

489 ADVANCED STUDY

1-6 sem. hrs.

Advanced coursework not offered within the framework of existing departmental or school courses. For a description of courses offered each semester contact the department or school advisor or visit the University website Illinois.State.edu. Experimental courses and courses cutting across departmental and school lines may be offered as advanced studies.

493 WORKSHOP*

1-6 sem. hrs.

Intensive and applied workshop for graduate students. Designed as an opportunity for acquiring advanced knowledge and intended primarily for teachers and other inservice professionals. Credit will be given by the department or school offering the workshop. See statement on limitation of credit.

498 PROFESSIONAL PRACTICE*

1-12 sem. hrs.

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and

modes of evaluation shall be approved by the faculty supervisor and department chairperson or school director prior to the beginning of the semester. **In a degree program, Professional Practice 498 cannot constitute more than 20 percent of the hours applied for degree completion.** Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from professional practice experience. See the statement on limitation of credit. All departments and schools that wish to offer 498 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

498A90

For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to licensure/accreditation, a full-time academic load consists of at least 1 hour of 498A90. The 498A90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

499 MASTER'S THESIS

1-6 sem. hrs.

A student electing the thesis option must take from four to six hours of 499. While registration beyond six hours may be permitted for the convenience of the student, he or she may not count more than a total of six hours of 499 among the hours required for the master's degree.

499A01

Students who have completed their degree audit, including required thesis credit hours, and have an approved thesis proposal form on file in the Graduate School, must maintain continuous registration through degree completion (see the Thesis section for a description of continuous registration). Students taking 499A01 thesis audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

499A90

For graduate students in their final semester who have completed all course work and whose culminating experience includes a thesis, a full-time academic load would consist of at least 1 hour of 499A90. The 499A90 may be appropriate for students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

500 INDEPENDENT STUDY*

1-4 sem. hrs.

A maximum of twelve hours may be applied toward the Master of Fine Arts and the Doctoral degree. Intensive study in a special area of the advanced student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. Open only to graduate students who have completed considerable work in a degree program, who are in good academic standing, and who have demonstrated ability to profit from independent study. A written proposal approved by the faculty member, the student's advisor, and the department chairperson or school director is required prior to registration. See statement on limitation of credit above. See Research with Human and Animal Subjects in the Academic Policies and Procedures section.

589 ADVANCED DOCTORAL STUDY

Doctoral-level course work under a qualified member of the graduate faculty, in subject matter not offered within the framework of existing departmental or school courses. For a description of courses offered each semester contact the department or school advisor or visit the University website IllinoisState.edu.

598 PROFESSIONAL PRACTICE

1-12 sem. hrs.

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental or school level and coordinated through Professional Practice. If the site is in an educational agency or institution, the placement must be approved by the Office of Clinical Experiences and Certification Processes. Written objectives and modes of evaluation shall be approved by the faculty supervisor and department chairperson or school director prior to the beginning of the semester. Open only to doctoral students. All departments and schools that wish to offer 598 Professional Practice must have a curriculum proposal approved by the Graduate School and Professional Practice prior to use.

598A90

For graduate students in their final semester or in a 9-12 month internship, who have completed all course work, and whose culminating experience includes an internship related to certification/accreditation, a full-time academic load consists of at least 1 hour of 598A90. The 598A90 may be desirable to students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

599 DOCTORAL RESEARCH

1-15 sem. hrs.

Research involving the gathering of data to form the basis of the doctoral dissertation. For further information refer to the appropriate degree in the section on Fields of Study and Degrees Granted.

599A01

Students who have completed their degree audit, including required dissertation credit hours, and have an approved dissertation proposal form on file in the Graduate School, must maintain continuous registration through degree completion. (See the Dissertation section for description of continuous registration.) Students taking 599A01 dissertation audit cannot purchase university health insurance. Students must contact the Graduate School to request registration.

599A90

For graduate students in their final semester who have completed all course work and whose culminating experience includes a dissertation, a full-time academic load would consist of at least 1 hour of 599A90. The 599A90 may be appropriate for students who need to maintain full-time enrollment for financial aid status. Students who desire the "1 hour equals full time" designation must be approved for that designation by their graduate coordinator.

SEMESTER STUDY ABROAD PROGRAM

Study abroad provides year-round orientation, consultation and advisement, and follow-ups to assist students and program directors on a continuous basis before, during and after their study abroad experience.

Study Abroad Course

IDS

430 GRADUATE STUDY ABROAD

1-16 sem. hrs.

Coursework taken outside the United States. Students should discuss study-abroad opportunities with their Graduate Advisor during the first semester in their major program. Students who participate through Illinois State University's Study Abroad will be evaluated for ISU graduation requirements, such as residency hours. May be repeated. May not be taken P/NP. Prerequisite: A minimum of 24 hours completed prior to departure.

NOTE: Consult with an advisor in International Studies for additional information.

Students may count up to nine hours of approved courses from outside the department, including study abroad, toward degree requirements. Financial assistance for the semester abroad is usually available on a competitive basis, subject to availability of funds.

COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

Dean: Jan Murphy.

Senior Associate Dean: Todd McLoda.

Associate Dean: Kevin Laudner.

103 Turner Hall, (309) 438-7602
CAST.IllinoisState.edu

The College of Applied Science and Technology offers graduate programs that are designed to provide advanced preparation for professional and technical positions in education, community agencies, government, business, and industry. Graduate education is focused on the development and integration of knowledge into theory based professional practice.

The College offers the Master of Science degree in Agriculture, Criminal Justice Sciences, Family and Consumer Sciences, Information Technology, Kinesiology and Recreation, and Technology. The Departments of Criminal Justice Sciences and Family and Consumer Sciences also offer Master of Arts degrees. Descriptions and requirements of these programs are outlined in the copy that follows.

AGRICULTURE (AGR)

125 Ropp, (309) 438-5654
Agriculture.IllinoisState.edu

Chairperson: Robert Rhykerd. Office: 125 Ropp.
Graduate Program Director: Aslihan Spaulding.
Graduate Faculty: Armstrong, Kopsell, Lekatz, O'Rourke, Rhykerd, Smiciklas, Spaulding, Steffen, Tudor, Whitacre.

Master's Degree in Agriculture

The department offers work leading to the Master of Science degree in Agriculture with sequences in Agribusiness, Agriscience, and Agriculture Education and Leadership. All sequences offer a thesis option and a comprehensive examination (non-thesis) option.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional department requirements are listed below.

Applicants must submit a transcript of an undergraduate degree with a minimum GPA of 2.80 (A=4.00) during the last 60 hours. Admission to the program also requires completion of the GRE, two (2) recommendation letters, Statement of Interest, a resume, and approval of the Department of Agriculture. International students must present a TOEFL score of at least 580 (237 computer-based or 92 internet-based).

Full-time students should expect to take at least two years to complete the master's program once they have completed any deficiency coursework.

Academic Advisement

Students seeking a master's degree in Agriculture should meet with the department Graduate Program Coordinator before enrolling in graduate courses. The graduate coordinator will examine transcripts to determine deficiencies and advise students accordingly. Typically, a major advisor is assigned after the student completes 18 semester hours of coursework.

Curriculum Requirements

All courses, including transfer courses, must be listed on the Degree Audit and approved by the Graduate Program Coordinator, Chairperson, and Graduate School. A student may choose between (Option I) a 37 semester hour program in the Agribusiness sequence or a 36 semester hour program in the Agriscience sequence or a 36 semester hour program in the Agricultural Education and Leadership sequence including a thesis (thesis option); or (Option II) a 37 semester hour program in the Agribusiness sequence or a 36 semester hour program in the Agriscience sequence or a 36 semester hour program in the Agricultural Education and Leadership sequence including a synthesizing experience and a comprehensive examination (non-thesis option). Required core courses for the degree program are: AGR 403, 445, and 497. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Agribusiness Sequence:

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (seven hours) consisting of AGR 403, 445, and 497, and the following sequence requirements: MKT 430 and MQM 421; three hours of business courses selected from MQM 420; FIL 411, 440; MKT 431; ACC 450; or MBA 412 and nine hours of advanced agribusiness courses selected from AGR 418, 420, 422 or 424. Students who completed a limited number of business courses as undergraduates may be required to take some or all of the following foundation courses: ACC 401; FIL 404; MQM 402, MQM 406; MKT 403. Foundation courses cannot be presented for use in the Agriculture degree program.

Option I: Option I is a 37 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of seven hours, nine hours of business courses, nine hours of advanced agribusiness courses, six hours of Master's Thesis (AGR 499) and six hours of electives.

Option II: Option II is a 37 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major advisor and with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of seven hours, nine hours of business courses, nine hours of advanced agribusiness courses, and nine hours of electives. Students selecting this option must also pass a comprehensive written/oral examination.

Elective Courses: The following Department of Agriculture courses are acceptable to satisfy the elective courses requirement of the Agribusiness Sequence: AGR 304, 305, 306, 312, 313, 314, 315, 317, 318, 319, 320, 324, 352, 353, 355, 357, 363, 372, 375, 380, 381, 383, 386, 400, 418, 420, 422, 424, 489.

Additional 300-level graduate electives may come from the Departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. (Agribusiness students may earn no more than 12 credits from 400-level courses in the College of Business.) 300- and 400-level graduate electives may come from the Department of Economics (excluding ECO 401).

Agriscience Sequence:

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (seven hours) consisting of AGR 403, 445, and 497, and the following sequence requirements: BSC 490; and CHE 342 or CHE 400 for those who took CHE 242 as an undergraduate student at Illinois State University.

Option I: Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirements of seven hours; the sequence requirements of BSC 490; and CHE 342 or CHE 400 for those who took CHE 242 as an undergraduate student at Illinois State University; plus six hours of Master's Thesis (AGR 499) and seventeen hours of electives selected from the list below.

Option II: Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent

Study (AGR 400) under the direction of a major advisor with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of seven hours; the sequence requirements of BSC 490; and CHE 342 or CHE 400 for those who took CHE 242 as an undergraduate student at Illinois State University; plus twenty semester hours of electives selected from the list below. Students selecting this option must pass a comprehensive written/oral examination.

Elective courses: The following courses are acceptable to satisfy the elective courses requirement of the Agriscience Sequence: AGR 304, 305, 306, 317, 352, 353, 355, 356, 357, 363, 372, 375, 380, 381, 489; BSC 301, 321, 335, 336, 415, 425; CHE 343, 344, 444; GEO 303, 304, 305, 360, 380, 386.

Concentrations: Students selecting the Agriscience Sequence may elect an Animal Science, Agronomy, or Horticulture concentration. Students may choose courses from the following lists for each concentration.

- **Animal Science:** AGR 317, 363, 372, 375, 380, 381, 386, 489; BSC 321, 416; CHE 344, 444; FCS 332.
- **Agronomy:** AGR 304, 305, 306, 355, 356, 357, 363, 489; BSC 301, 335, 336; GEO 303, 304, 305, 360, 380.
- **Horticulture:** AGR 352, 353, 355, 356, 357, 358, 363, 489; BSC 301, 335, 336.

Agricultural Education and Leadership Sequence

In this sequence, students choosing the thesis option or non-thesis option must complete the required degree core courses (seven hours) consisting of AGR 403, 445, and 497, and the following sequence requirements.

Students who completed a limited number of Agricultural Education or education courses as undergraduates may be required to take undergraduate foundation courses as a prerequisite. Foundation courses cannot be presented for use in the Agricultural Education and Leadership degree program.

Option I: Option I is a 36 hour program that requires a thesis. Students selecting this option will complete the degree core requirement of seven hours, fourteen hours of agriculture electives, nine hours from Teaching and Learning, Technology, or other coursework identified by the students' graduate committee as relevant to the area of interest, and six hours of Master's Thesis (AGR 499).

Option II: Option II is a 36 hour program that requires a synthesizing experience consisting of three hours of Independent Study (AGR 400) under the direction of a major advisor and with the approval of an advisory committee. Students selecting this option will also complete the degree core requirements of seven hours, fourteen hours of agriculture electives, nine hours of Teaching and Learning, Technology, or other approved area, and three hours of electives. Students selecting this option must also pass a comprehensive written/oral examination.

Elective Courses: The following Department of Agriculture courses are acceptable to satisfy the elective courses requirements of this sequence: AGR 304, 305, 306, 312, 313, 314, 315, 317, 318, 319, 320, 340, 352, 353, 355, 356, 357, 363, 372, 375, 380, 381, 383, 418, 420, 422, 424. Additional gradu-

ate electives may come from Teaching and Learning (TCH 401, 402, 407, 409, 411, 430, 432, 434, 441, 450, 453, 473, 478) and/or Technology (TEC 301, 302, 306, 406, 407, 408, 420, 421, 422) or coursework of interest from pertinent departments approved by the student's committee.

Agriculture Courses

302 SPECIAL PROBLEMS IN AGRICULTURE 1-3 sem. hrs.

Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the Department. May be repeated for a maximum of 6 hours. Prerequisite: Comprehensive major or minor in Agriculture or Agribusiness.

303 SEMINAR IN AGRICULTURE 1 sem. hr.

Prerequisite: Senior or graduate standing.

304 GEOSPATIAL TECHNOLOGIES IN AGRICULTURE 3 sem. hrs.

To understand the acquisition and analysis of geographically referenced data for the management of crop production systems.

305 CROP GROWTH AND DEVELOPMENT 4 sem. hrs.

Crop management and plant growth as influenced by the environment, plant species, cropping systems, and principles of integrated crop management (ICM). Lecture and lab.

306 WEED SCIENCE 3 sem. hrs.

Principles and practices of weed management systems, including chemical and non-chemical controls. Identification and biology of common weed species. Lecture and lab.

312 MANAGERIAL ACCOUNTING FOR AGRICULTURAL PRODUCERS 3 sem. hrs.

Advanced farm business records and analysis with emphasis on computer applications. Formerly *ADVANCED FARM ACCOUNTING*. Prerequisites: AGR 213 and 216.

313 ADVANCED FARM MANAGEMENT 3 sem. hrs.

Farm business decisions and their interrelationships. Examination of statics, dynamics and uncertainty in agricultural decision-making. Prerequisites: AGR 213 and 216.

314 MARKETING GRAIN AND LIVESTOCK 3 sem. hrs.

Economic principles applied to marketing grain and livestock. Consideration given to producers and distributors of grain, livestock, and their products. Prerequisite: AGR 214 or consent of the instructor.

315 FINANCIAL MANAGEMENT AND ANALYSIS OF THE AGRIBUSINESS FIRM 3 sem. hrs.

Application of quantitative concepts and methods to the analysis and financial management of proprietary and cooperative agribusiness firms. Prerequisites: AGR 215; MAT 120; and AGR 216 or ACC 131, or consent of the instructor.

317 FOOD INDUSTRY MARKETING AND STRATEGIC MANAGEMENT**3 sem. hrs.**

Marketing management and decision-making as they relate to corporate and cooperative marketing and strategic problem solving in the food industry. Prerequisite: AGR 215 or consent of the instructor.

318 AGRICULTURAL FINANCE**3 sem. hrs.**

The principles of agriculture finance including the capital requirements, the sources of credit, and the optimum uses of capital. Prerequisite: AGR 216 or ACC 131.

319 AGRICULTURAL POLICIES AND PROGRAMS**3 sem. hrs.**

History and impact of government intervention in agriculture. Examination of major agricultural programs, past and present. Prerequisite: AGR 110.

320 FARM COMMODITY PRICING**3 sem. hrs.**

Theory and mechanics of price determination for agricultural commodities. Prerequisite: AGR 214.

324 COMMODITY FUTURES AND OPTIONS**3 sem. hrs.**

Examines the evolution of futures and markets and use of futures and options contracts as price risk management tools. Prerequisite: AGR 214 or consent of the instructor.

352 RESIDENTIAL AND SPORTS TURF MANAGEMENT**3 sem. hrs.**

Principles and practices used in management of residential and recreational turfgrasses. Lecture, lab, and field trips. Materials charge optional. Formerly *TURF MANAGEMENT*. Prerequisites: AGR 120 and 150 or consent of the instructor.

353 LANDSCAPE DESIGN**3 sem. hrs.**

Problem solving approach to landscape design. Topics include design principles, site measurement, and base map preparation, functional diagrams, form composition, plant selection and preparation of preliminary and master plans. Lectures and drafting laboratories. Materials charge optional. Prerequisites: AGR 252 and 255.

355 PLANT BIOTECHNOLOGY AND BREEDING**3 sem. hrs.**

Breeding procedures and techniques used in developing new varieties of field crops.

357 SOIL FERTILITY AND FERTILIZERS**4 sem. hrs.**

Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant growth, soil-plant relationships, and macro- and micro-nutrients. Lecture and laboratory; field trips. Prerequisite: AGR 157.

363 AGRICULTURAL STATISTICS**3 sem. hrs.**

Principles of agricultural research for plant and animal sciences; includes design, data collection, interpretation, and presentation of results. Formerly *AGRICULTURAL EXPERIMENTATION*. Prerequisite: MAT 120 or 144.

372 LIVESTOCK BREEDING**3 sem. hrs.**

Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding, and selection. Prerequisite: AGR 272 or BSC 219.

375 ANIMAL NUTRITION**3 sem. hrs.**

Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral and vitamin requirements of livestock. Field trips. Offered odd numbered years. Prerequisites: AGR 170 and 171.

380 CURRENT ISSUES IN THE LIVESTOCK INDUSTRY**3 sem. hrs.**

Study of the history and evolution of livestock industry as impacted by internal and external factors. Lecture. Formerly *CURRENT ISSUES IN THE BEEF CATTLE INDUSTRY*. Prerequisites: AGR 170, 173, 272, 275, 282, 283, 286 or consent of the instructor. A minimum of 75 hours completed or in progress.

381A01 LIVESTOCK INDUSTRY: BEEF CATTLE**2 sem. hrs.**

Basic principles and commercial practices involved in feedlot and cow-calf management. Lecture and lab. Not for credit if had AGR 378, 381 *BEEF CATTLE INDUSTRY*. Prerequisites: AGR 170, 173, 272, 275, 282, 283, 286, 380 or concurrent registration, or consent of the instructor.

381A03 LIVESTOCK INDUSTRY: SWINE**2 sem. hrs.**

Basic principles and commercial practices involved in swine management. Lecture and lab. Not for credit if had AGR 276. Prerequisites: AGR 170, 173, 272, 275, 282, 283, 286, 380 or concurrent registration, or consent of the instructor.

383 AGRICULTURE SAFETY AND HEALTH**3 sem. hrs.**

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement countermeasures. Half-day field trip. Saturday field trip at end of semester required. Also offered as HSC 383.

386 ANIMAL WELFARE**2 sem. hrs.**

Examination of the multidisciplinary tools used to study and assess animal welfare. Prerequisites: AGR 170 and 286 or consent of the instructor.

394 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION**5 sem. hrs.**

Procedures in planning, conducting, and evaluating an agricultural education program; pragmatic interfacing of learning theories, philosophy and guidance with instructional programs in agriculture. Includes Clinical Experience: 10 hours. Prerequisite: Admission to Professional Studies.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

403 GRADUATE SEMINAR IN AGRICULTURE**1 sem. hr.**

Development of research; composition of abstract; oral presentation of literature review, methodology, and data. May be repeated for two semester hours. Prerequisite: AGR 497 or consent of the instructor.

418 ADVANCED AGRICULTURAL FINANCE**3 sem. hrs.**

Advanced principles of agricultural finance, including investment analysis, resource control, legal aspects of lending, and sources of capital. Prerequisite: AGR 315 or 318 or consent of the instructor.

**420 MANAGEMENT OF MARKET RISK
IN AGRIBUSINESS****3 sem. hrs.**

An examination and analysis of the techniques used by agribusinesses for managing the risk associated with variable and unknown commodity prices. Prerequisites: AGR 314 and 320 or consent of the instructor.

**422 INTERNATIONAL TRADE OF
AGRICULTURAL PRODUCTS****3 sem. hrs.**

Examination of the gains from trade and the impact of agricultural trade policies on the welfare of trading nations. Prerequisites: ECO 240 and 241 or consent of the instructor.

424 AGRIBUSINESS STRATEGY AND ANALYSIS**3 sem. hrs.**

Advanced application of quantitative and qualitative analysis in the development and implementation of Agribusiness firm strategy and policy. Prerequisite: Admission to Agribusiness graduate program or consent of the instructor.

**445 STATISTICS IN APPLIED SCIENCE
AND TECHNOLOGY****3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using current technology. Also offered as FCS/KNR/TEC 445.

492 AGRICULTURAL LEADERSHIP**3 sem. hrs.**

This course is a critical exploration of the theory, research and best practices of leadership applied in the agricultural field. Not for credit if had AGR 392.

**497 RESEARCH METHODOLOGY IN
AGRICULTURE****3 sem. hrs.**

The procedure, techniques, and application of research methods in agriculture. Problem identification and analysis, experimental design and report presentation. Formerly *RESEARCH METHODOLOGY IN AGRIBUSINESS*. Prerequisite: Admission to Agriculture graduate program or consent of the instructor.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS****1-5 sem. hrs.**

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM****1-6 sem. hrs.**

Refer to Index for General Courses.

CRIMINAL JUSTICE SCIENCES (CJS)

441 Schroeder East, (309) 438-7626
CriminalJustice.IllinoisState.edu

Chairperson: Jacqueline Schneider. Office: 441 Schroeder East.

Graduate Program Director: Jason Ingram.

Graduate Faculty: Beichner, Clevenger, Gizzi, Ingram, Krienert, Mulvey, Rabe-Hemp, Rossler, Schneider, Walsh, Weisheit.

Master's Degree in Criminal Justice Sciences

The Department of Criminal Justice Sciences offers a program leading to the M.A. or M.S. degree. The primary purpose of the program is to provide students with the skills to analyze crime and criminal justice policies. Those skills prepare students for advanced graduate study and/or careers in the administration of criminal justice. Coursework in the program is designed to develop individual thought processes and facilitate the development of analytical abilities and professional skills. Core areas of study include: (1) Research Methods; (2) The Nature of Crime; (3) The Criminal Justice System; and (4) Management and Policy. Through the advanced study of theoretical and applied issues in criminal justice, master's degree students will be prepared to assume leadership positions in the field of criminal justice at various levels of government or in the private sector or pursue continued graduate education. Study in criminal justice is interdisciplinary, drawing on concepts, theories and applications from psychology, sociology, political science and other social and behavioral sciences.

The curriculum is flexible, permitting students to pursue coursework reflective of individual interests and professional goals. The program is designed to provide the students with a basic foundation in the field of criminal justice. Specialization is possible through careful selection of electives in collaboration with faculty mentors and with the approval of the graduate advisor.

Students with an undergraduate degree in a related social or behavioral science are often well prepared to enter the Master's program. Prospective graduate students unfamiliar with the discipline are provided with the Criminal Justice Sciences Reading List. This list includes readings in each of the four core areas and allows the student to become familiar with noted works in the field.

Admission Requirements

- A. A student whose undergraduate grade point average (computed on the last 60 semester hours of academic work) is 3.20 or higher will be admitted, on a space available basis, upon completion and processing of the application form and receipt in the departmental office of two letters of recommendation, and a goal statement outlining the applicant's intentions, background, etc.
- B. Students whose undergraduate grade point average (last 60 hours) is between 3.0 and 3.19 will be admitted on a space

available basis only. Preference will be given to students in this category who have degrees in criminal justice sciences or related disciplines. They must complete the steps outlined above.

- C. Students with undergraduate graduate grade point averages (last 60 hours) of 2.60 to 2.99 will not be admitted except under special circumstances. For example, part-time students with practical experience in the field or students with scores on the verbal and quantitative sections of the GRE general test that total 1000 or higher might be given special consideration. They must complete the steps outlined above.
- D. Students with grade point averages below 2.60 will not be admitted.

Applicants must complete a written statement concerning background, career goals and interest in criminal justice. The statement must be completed and received in the Department office prior to full admission to the graduate program.

Each student's transcript and application materials will be reviewed by the Department's graduate advisor and admissions committee during the admission process.

Program Requirements

The Department offers both thesis and comprehensive examination options for completion of the master's degree. Students choosing the thesis option must complete 32 hours of coursework including CJS 499 for six (6) hours of credit.

Required courses for the thesis option include CJS 401, 440, 497, 499, and seventeen (17) hours of electives selected with the cooperation of the student's mentor and the approval of the graduate advisor. The electives will be selected from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Politics and Government, and other departments. Courses at the 300 level may be taken only with the approval of the graduate advisor.

Students choosing the comprehensive option must complete 34 hours of coursework and successfully pass a comprehensive examination in three areas. Required courses for the comprehensive option include CJS 400 (4 hours), 401, 440, 497, and twenty-one (21) hours of electives from appropriate graduate course offerings in Criminal Justice Sciences, Sociology, Politics and Government, and other departments. Courses at the 300 level may be taken only with the approval of the graduate advisor.

Internship in Criminal Justice Sciences

Each student working toward a Master's degree in Criminal Justice Sciences may enroll in the internship course (CJS 498). The student will be required to work in a criminal justice agency for eighteen hours per week throughout the semester. The internship provides the student with the opportunity to integrate classroom theory with practical experience. The program is designed to acquaint the graduate student with managerial principles and problems, so that he or she will be better qualified to assume management positions in criminal justice. Students will normally not be approved for enrollment in an internship prior to completion of sixteen graduate hours. The department has a full-time internship coordinator who arranges placement, provides supervision, and evaluates student performance.

Criminal Justice Sciences Courses

300 RESEARCH METHODS

3 sem. hrs.

Assesses basic components of how research is conducted in criminal justice inquiries. Examines criteria for social scientific research in the criminal justice field. Prerequisites: CJS 101; 45 hours completed. Major or minor only or consent of the department advisor.

305 CRIMINAL PROCEDURE AND EVIDENCE

3 sem. hrs.

Law of criminal procedure, types of evidence, and legal requirements relating to the admissibility of evidence in court. Formerly *RULES OF EVIDENCE FOR THE ADMINISTRATION OF JUSTICE*. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

306 EXPERIENCES IN INTERNATIONAL JUSTICE

3 or 6 sem. hrs.

Exploration of a foreign country; students will have exposure to cultural, political, social, and criminal justice issues. Travel fees apply. Prerequisite: Freshman standing (12 hours completed).

307 FAMILY VIOLENCE: CROSS-CULTURAL PERSPECTIVES

3 sem. hrs.

Analysis of family violence in the U.S. and other countries. Emphasis on police and judiciary response, solutions, and treatments. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

308 RACE, ETHNICITY, AND CRIMINAL JUSTICE

3 sem. hrs.

Historical and contemporary perspectives of race, ethnicity, crime, and justice relations in the United States. Prerequisite: Major or minor only or consent of the department advisor.

310 CORRECTIONAL INSTITUTIONS

3 sem. hrs.

An intensive analysis of correctional institutions and jails focusing on management issues, inmate subcultures and prisonization. Prerequisites: CJS 200; 45 hours completed. Major or minor only or consent of the department advisor.

311 CRIMINALIZING MENTAL ILLNESS

3 sem. hrs.

Historical precedents and new innovations to deal with the rising number of mentally ill in the criminal justice system. Formerly CJS 389.22 CRIMINALIZING THE MENTALLY ILL. Prerequisites: Major or minor only or consent of the department advisor.

312 CRIMINAL BEHAVIOR ANALYSIS

3 sem. hrs.

A broad study of criminal behavior analysis and investigative techniques as they apply to predatory and frequently violent offenders. Formerly CJS 389.21. Prerequisites: Completion of 45 hours. Major or minor only or consent of the department advisor.

322 COMMUNICATION SKILLS IN CRIMINAL JUSTICE

3 sem. hrs.

Development of interpersonal communication, interviewing and decision-making skills for intervention with criminal justice clients. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

337 SEX OFFENDERS AND THE CRIMINAL JUSTICE SYSTEM

3 sem. hrs.

Analysis of sex offender prevalence and typologies. Emphasis on assessment, treatment, and management within the community. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

338 ALCOHOL, DRUGS, AND CRIME

3 sem. hrs.

Analysis of the impact of alcohol and drugs on crime and criminal justice system. Prerequisites: CJS 101; 45 hours completed. Major or minor only or consent of the department advisor.

339 WOMEN IN CRIMINAL JUSTICE

3 sem. hrs.

Historical and theoretical perspectives and contemporary trends concerning women and crime, and processing of women by the criminal justice system. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

342 VICTIMOLOGY

3 sem. hrs.

Examination of victim's role in the criminal event; process of victimization; patterns, trends, theories, and victim-offender relationships. Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

360 ISSUES IN CRIMINAL JUSTICE

1-4 sem. hrs.

A critical and analytical study of a contemporary issue or controversy in the field of criminal justice. May be repeated once if content is different for maximum of six hours (see topics below). Prerequisites: 45 hours completed. Major or minor only or consent of the department advisor.

360A18 TERROR AND COUNTERTERRORISM

3 sem. hrs.

The purpose of this course is to familiarize students with the ideology, motivation, and methods of the numerous terrorist groups in existence over the last two centuries in order to provide a basis for an understanding of contemporary terrorist organizations and their impact on the national security of the United States. Prerequisites: 45 hours completed. Major/minor only or consent of department advisor.

369 WORLD CRIMINAL JUSTICE SYSTEMS

3 sem. hrs.

Explores the nature of crime and justice around the world. Provides a comparison of varying systems of justice in selected countries. Prerequisite: 45 hours completed or consent of the department advisor.

400 INDEPENDENT STUDY

1-4 sem. hrs.

Refer to Index for General Courses. Majors only.

401 CRIMINOLOGICAL THEORY

3 sem. hrs.

An intensive study and critical analysis of criminological theories and their contribution to the field of criminal justice. Prerequisite: Majors only.

402 ISSUES IN JUSTICE

3 sem. hrs.

A critical review of major contributions to the literature of criminal justice with an emphasis on analysis of problems. May not be repeated. Prerequisite: Majors only.

403 CRIMINAL JUSTICE POLICY

3 sem. hrs.

An examination of the social, historical, and political contexts that influence the creation, application, and transformation of criminal justice policy. Formerly CJS 489.01. Prerequisite: Graduate standing.

412 CORRECTIONAL SYSTEMS

3 sem. hrs.

Critical review and analysis of institutional and community-based corrections as impacted by the political, social, and economic systems. Prerequisite: Majors only.

415 POLICING AND SOCIETY

3 sem. hrs.

Organizational and operational policing from comparative and historical perspectives which have been derived through statistical, observational and survey methodologies. Prerequisite: Majors only.

421 MANAGEMENT ISSUES IN THE CRIMINAL JUSTICE SYSTEM

3 sem. hrs.

An examination of selected criminal justice system management issues and problems focusing specifically on law enforcement, the courts, and corrections. Prerequisite: Majors only.

440 STATISTICAL APPLICATIONS IN CRIMINAL JUSTICE

3 sem. hrs.

Application of statistical analysis to criminal justice data for purposes of policy analysis and theory testing. Quantitative analysis using SPSS. Prerequisite: CJS 497.

467 LAW AND SOCIETY

3 sem. hrs.

Theories of law and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil and criminal law included. Formerly *SOCIOLOGY OF LAW*. Also offered as SOC 467.

470 SEMINAR IN INTERNATIONAL JUSTICE, HUMAN RIGHTS, AND CONFLICT RESOLUTION
3 sem. hrs.

A study and critical analysis of historical and contemporary issues in international justice, human rights, and conflict resolution. Prerequisite: Consent of the graduate advisor.

490 QUALITATIVE METHODS IN CRIMINAL JUSTICE RESEARCH

3 sem. hrs.

Qualitative research methods in criminal justice sciences.

497 GRADUATE RESEARCH METHODS

3 sem. hrs.

Selection of a research problem, collection of data, types of research, the research report, and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of educational research. Formerly *INTRODUCTION TO RESEARCH*. Prerequisites: CJS 300 or an equivalent undergraduate research/statistics course. Majors only.

498 PROFESSIONAL PRACTICE IN CRIMINAL JUSTICE

3 sem. hrs.

Refer to Index for General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS

1-5 sem. hrs.

Refer to Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM

1 sem. hr.

Refer to Index for General Courses.

FAMILY AND CONSUMER SCIENCES (FCS)

110 Turner Hall, (309) 438-2517
FCS.IllinoisState.edu

Chairperson: Ani Yazedjian. Office: 110 Turner Hall.

Graduate Program Director: Please visit the Family and Consumer Sciences website for the graduate coordinator's contact information.

Graduate Faculty: Anderson, Arnett-Hartwick, Banning, Barnes, Dyar, Gam, Harpel, Ma, Murphy, Nnakwe, Schumacher, Vollmer, Walters, Yazedjian, Yu.

Master's Degree in Family and Consumer Sciences

The Department offers work leading to the M.A., M.S. degrees.

Admission Requirements

The Department requires for admission to the master's program a preferred 3.0 GPA in the last 60 hours of undergraduate work and the GRE with a preferred verbal reasoning score of 148 on the revised General Test. A statement of professional goals is submitted with the online application. Three letters of recommendation are submitted directly to the Department. Students who do not hold an undergraduate degree in Family and Consumer Sciences must complete deficiency work determined by the graduate director. Preferred application deadlines are April 1 for the fall semester and October 1 for the spring semester.

Program Requirements

Each student may choose either of the following: (a) 32 semester hour program which includes a thesis (4-6 hours); or (b) 39 semester hour program of coursework. For students choosing the 39-hour option, a scholarly project will be required that will be determined by the graduate coordinator in conjunction with the graduate faculty. Degree requirements for both the 32 and 39 semester hour options include FCS 401, 445, and 497. The 32 hour program requires at least 16 hours in Family and Consumer Sciences. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.** The semester hours numbered 400 and above do not include thesis hours. The 39 semester hour program requires at least 18 semester hours in courses numbered 400 or above and at least 20 hours in Family and Consumer Sciences.

A career option leading to general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through Agriculture, Business Education and Administrative Services, Family and Consumer Sciences, and Technology departments. Students interested in the vocational emphasis should (a) see the Department chairperson and (b) submit an Intent to File for Licensure form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Licensure is not given automatically at the completion of specific coursework or degree program.

Dietetic Internship Sequence

Illinois State University offers an Academy of Nutrition and Dietetics ACEND-accredited Dietetic Internship program (21-month program) as a sequence in the M.S. in Family and Consumer Sciences. The thesis option is 33 hours, and the non-thesis option is 39 hours.

In addition to the 9 semester hour core (FCS 401, 445, and 497), additional sequence requirements include: FCS 417 (4 hours), 420 (3 hours), 402 (2 hours, repeated for a total of 4 hours), 6 hours of Internship Rotations (FCS 498), 3 hours of electives, and FCS 499 if choosing the thesis option (minimum of 4 hours), or an additional 10 hours of graduate coursework including a culminating experience (FCS 400, 1 hour) for the non-thesis option.

Successful completion of the master's degree requirements, in conjunction with the supervised practice experience, are required to earn the ACEND Verification Statement necessary for applying to take the national registration examination. Applicants to this program must follow the Academy of Nutrition and Dietetics application guidelines and submit their application materials through DICAS and D&D Digital by the February deadline for the April match. Application to the Illinois State Graduate Program will follow matching. The graduate dietetic internship at Illinois State University is accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago IL 60606-6995; (312) 899-0040, ext. 5400.

Child Life

The Department offers courses in Child Life at the master's degree level. The Family and Consumer Sciences graduate program is registered with the Child Life Council. Completion of these courses prepares students to sit for the Child Life certification examination. An individual plan of study which is based on prior coursework at the baccalaureate level will be developed by each student in consultation with the Child Life Director and department graduate coordinator. Minimum requirements include successful completion of department master's degree requirements, coursework to meet guidelines as required to sit for the child life certification exam, and a child life internship at an approved hospital, under supervision by a certified child life specialist.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in the Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Communication Sciences and Disorders. For admission requirements and other information, please see the Department of Sociology and Anthropology section.

Family and Consumer Sciences Courses

307 ADVANCED CHILD DEVELOPMENT APPLICATIONS 3 sem. hrs.

Application of research in the development and guidance of infants, toddlers and preschool age children as related to family and society. Includes clinical experience. Prerequisites: FCS 250 or 251 or 254.

308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS 3 sem. hrs.

Administration of early childhood programs and community services responsible for guidance of young children. Includes clinical experience: 20 hours. Prerequisite: FCS 250 or consent of instructor.

309 COUPLE RELATIONSHIPS 3 sem. hrs.

An interactional approach to the study of intimate pairings: establishing couple relationships and developing effective intimate pairing communications; an overview of marriage enrichment history, programs, practice, theory and research. Prerequisite: FCS 200.

311 COMMUNITY NUTRITION 3 sem. hrs.

Nutritional needs of selected populations vulnerable to inadequate diet; emphasis on U.S. programs designed for groups at nutritional risk. Prerequisite: FCS 102.

312 MEDICAL NUTRITION THERAPY 4 sem. hrs.

Planning modified diets and studying underlying diseases. Nutritional counseling of individuals and groups. Prerequisite: FCS 219.

314 EARLY CHILDHOOD NUTRITION EDUCATION 3 sem. hrs.

Principles of nutrition and current research. Emphasis on the needs of young children. Guidance in implementing a sound nutritional education program. Includes clinical experience.

316 FOOD SCIENCE 3 sem. hrs.

Experimental approach to principles underlying food preparation. Materials charge optional. Prerequisites: FCS 113; CHE 110 and 112.

317 NUTRITION AND METABOLISM 4 sem. hrs.

Physiological and biochemical basis for human nutritional requirements and health. Prerequisites: BSC 160; FCS 102; KNR 182.

318 FOOD SERVICE MANAGEMENT 3 sem. hrs.

Management of commercial and noncommercial foodservice systems: planning, control systems, decision making, and human considerations. Prerequisites: FCS 113.

319 QUANTITY FOODS 4 sem. hrs.

Principles, techniques, and standards for procuring, storing, and producing food in batch/quantity for group, institutional and commercial feeding. Field trips. Materials charge optional. Prerequisite: FCS 113.

320 SPECIAL TOPICS IN FOOD AND HOSPITALITY MANAGEMENT 3 sem. hrs.

New concepts and recent developments in the food and hospitality industry. May be repeated for credit if content differs for a maximum of 9 semester hours. Prerequisite: FCS 214.

320A01 SPECIAL TOPICS IN FOOD AND HOSPITALITY MANAGEMENT: FOOD AND LAW REGULATION 3 sem. hrs.

An overview of the laws, policies, and standards that govern food regulation in the United States. The history of food and beverage policy will also be covered. Prerequisite: FCS 214.

321 FLAT PATTERN DESIGN 3 sem. hrs.

Computer and hand techniques in making garment patterns by the flat pattern method. Materials charge optional. Prerequisites: FCS 122 or equivalent. Major or minor or consent of the instructor.

323 ADVANCED TEXTILES 3 sem. hrs.

Exploration of established practices and new developments in the textile and apparel industry. Research and problem-solving emphasis. Lecture and lab. Materials charge optional. Prerequisites: FCS 225 and 226.

324 DRAPING AND DESIGN 3 sem. hrs.

Interpretation of garment designs in fabric by means of the draping procedure. Materials charge optional. Prerequisite: FCS 122.

330 DECISION-MAKING FOR CONSUMERS 3 sem. hrs.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure, and achieving financial security. Also offered as BE 330.

331 CONSUMER MATERIALS 3 sem. hrs.

Application and evaluation of consumer information sources. Prerequisite: FCS 103; FCS 233 recommended.

335 FAMILY LIFE EDUCATION METHODS 3 sem. hrs.

Introduction to the profession of family life education and the development, implementation and evaluation of family life education programming. Prerequisite: FCS 231 and a minimum of 45 hours completed.

338 HISTORY OF INTERIOR AND ENVIRONMENTAL DESIGN I 3 sem. hrs.

Major stylistic time periods in architecture and interior design from antiquity to late nineteenth century. Prerequisites: A minimum of 45 hours completed. Major or minor only or consent of the instructor.

340 INTERIOR DESIGN I: STUDIO 4 sem. hrs.

Design principles applied to residential space. Students examine the ways in which rooms are affected by various design elements. Materials charge optional. Lecture and laboratory. Prerequisites: Grade of C or better in FCS 104, 242 and 246. FCS 225 and TEC 117 or concurrent registration recommended. Major or minor only or consent of the instructor.

345 INTERIOR DESIGN BUSINESS PRACTICES
2 sem. hrs.

Practices and procedures of professional design firms. Emphasis on business ownership, programming, purchasing procedures, billing hours, contracts and business forms. Prerequisite: FCS 340.

347 HUMAN FACTORS IN INTERIOR ENVIRONMENTS
2 sem. hrs.

This course focuses on the functionality and aesthetics of interior environments with an emphasis on interface between man-made environments and humans. The needs of special populations are addressed. Lecture and lab. Prerequisite: FCS 242.

348 HISTORY OF INTERIOR AND ENVIRONMENTAL DESIGN II
2 sem. hrs.

Major movements in architecture and interior design from the late nineteenth century to the present. Prerequisite: Major or minor only or consent of the instructor. FCS 338 recommended.

352 RENDERING FOR INTERIOR DESIGNERS
3 sem. hrs.

Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Materials charge optional. Also offered as ART 352. Prerequisites: FCS 242, 246 or consent of the instructor.

363 BEREAVEMENT, GRIEF AND LOSS
3 sem. hrs.

Examination of concepts and relevant issues of bereavement, grief, and loss. Prerequisites: FCS 231, 310 or 364, and junior standing or consent of the instructor.

364 HELPING AND COMMUNICATION SKILLS FOR FCS PROFESSIONS
3 sem. hrs.

An introduction to the helping and communication skills and theories used by FCS professionals in their work with individuals and families. Formerly *BASIC SKILLS IN COUNSELING*. Prerequisite: FCS 101.

365 APPAREL COLLECTION DEVELOPMENT
3 sem. hrs.

Advanced problem-solving in apparel collection design with emphasis on integration of various tools of design. Lecture and lab. Prerequisites: FCS 122, 228, 321, or consent of the instructor.

366 CAD FOR APPAREL DESIGN
3 sem. hrs.

Application of art principles to apparel design using CAD. Apparel idea development from concept through application to production. Portfolio development. Lecture and lab. Prerequisites: FCS 122, 226, and 228.

369 MERCHANDISE PLANNING AND CONTROL
3 sem. hrs.

Financial management of merchandising fashion goods, with emphasis on stock, sales, assortment planning and control. Prerequisites: FCS 226; MKT 230 or concurrent registration; MQM 220 or concurrent registration.

370 INTERIOR DESIGN II: STUDIO
4 sem. hrs.

The process of linking spaces using architectural elements. Emphasizing the design process as it affects private and public spaces. Field trips. Materials charge optional. Prerequisites: FCS 218, 340, and TEC 217 and ART/FCS 352 concurrent registration with FCS 370 recommended.

371 ADVANCED MERCHANDISING
3 sem. hrs.

Merchandising practices as related to current issues in management, as well as planning, developing, and presenting soft good lines. Prerequisite: FCS 369.

380 ORGANIZATION AND ADMINISTRATION OF CAREER AND TECHNICAL COOPERATIVE EDUCATION PROGRAMS
3 sem. hrs.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan. Includes clinical experience: 5 hours. Also offered as BE 380.

382 COORDINATION TECHNIQUES OF CAREER AND TECHNICAL COOPERATIVE EDUCATION PROGRAMS
3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Includes clinical experience: 5 hours. Also offered as BE 382 and TEC 306.

392 SPECIAL TOPICS IN HUMAN DEVELOPMENT AND FAMILY SCIENCE
3 sem. hrs.

Recent developments, new concepts, and special topics in the field of human development and family sciences. May be repeated with departmental approval; maximum of 9 hours. Prerequisites: FCS 101, 224.

394 HEALTH ASPECTS OF AGING
3 sem. hrs.

Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as HSC 394 and KNR 394.

395 SEXUALITY AND FAMILY LIFE
3 sem. hrs.

Study of sexuality across the life course emphasizing the role of sexuality on family relations and implications for family life. Prerequisites: FCS 101 and 224.

400 INDEPENDENT STUDY
1-4 sem. hrs.

See Index for General Courses.

401 THEORIES AND CONTEMPORARY ISSUES IN FAMILY AND CONSUMER SCIENCES
3 sem. hrs.

Analysis of theories used in Family and Consumer Sciences. Emphasis on the profession's integrative framework and application of theory to research and problem-solving.

402 SEMINAR IN FAMILY AND CONSUMER SCIENCES**2 sem. hrs.**

Advanced examination and application of theory and professional practice related to the student's areas of study in family and consumer sciences. May be repeated if topic different (see topics below).

402A01 FOODS AND NUTRITION**2 sem. hrs.**

Advanced examination and application of theory and professional practice related to foods and nutrition.

403 CHILDREN IN HEALTHCARE SETTINGS**3 sem. hrs.**

Theories and research of child life practices and policies as they relate to the care of children in health care settings. Includes clinical experience. Prerequisite: Consent of the instructor.

404 SEMINAR IN CHILD LIFE STUDIES**3 sem. hrs.**

Advanced examination and application of theory and professional practice relevant to scope of practice of a child life specialist. Includes clinical experience. Prerequisite: Consent of the instructor.

405 FAMILIES IN LATER LIFE**3 sem. hrs.**

Exploration of family dynamics of later life. Emphasis on developmental tasks, needs, and decision-making issues of aging family members. Not for credit if had FCS 305. Prerequisite: Consent of the instructor.

406 PSYCHOSOCIAL CARE OF CHILDREN AND FAMILIES IN HEALTHCARE ENVIRONMENTS**3 sem. hrs.**

Application of human development theories and developmentally appropriate practices to the psychosocial care of children and families in healthcare environments. Includes clinical experience. Not for credit if had FCS 306. Prerequisite: Consent of the instructor.

407 ADOLESCENCE AND EMERGING ADULTHOOD IN THE CULTURAL CONTEXT**3 sem. hrs.**

Theories, historical background, and research regarding adolescent development and emerging adulthood as they relate to society and culture. Not for credit if had FCS 304. Prerequisite: Consent of the instructor.

408 HUMAN DEVELOPMENT IN SOCIAL CONTEXT**3 sem. hrs.**

Theories and research regarding human development and family dynamics and their relationship to historical time, society, and culture.

410 FAMILY CRISES**3 sem. hrs.**

Cognitive and affective exploration of family crisis: definition, management processes, and professional helping resources. Not for credit if had FCS 310. Prerequisite: Consent of the instructor.

412 FAMILIES AND THE WORKPLACE**3 sem. hrs.**

The study of interaction, conflict, and resolution between demands of work and family.

415 NUTRITION FOR HEALTH AND PHYSICAL FITNESS**3 sem. hrs.**

An advanced course focusing on the physiological and biochemical importance of nutrition to health, physical fitness and sports. Not for credit if had FCS 315. Prerequisite: Consent of the instructor.

417 ADVANCED MEDICAL NUTRITION THERAPY**4 sem. hrs.**

Advanced application of theory in practice as it relates to nutrition assessment, diagnosis, intervention, monitoring, and evaluation. Prerequisite: Consent of the instructor.

420 ADVANCED NUTRITION**3 sem. hrs.**

Physiological and biochemical basis of nutrition, health, and disease.

424 SELECTED PROBLEMS IN FAMILY AND CONSUMER SCIENCES**1-6 sem. hrs.**

May be repeated. Prerequisite: Consent of the department graduate coordinator.

427 CLOTHING AND BEHAVIOR**3 sem. hrs.**

Factors that influence behavior related to clothing selection and use. Emphasis on research. Not for credit if had FCS 327. Prerequisite: Consent of the instructor.

428 ECONOMICS OF FASHION**3 sem. hrs.**

Fashion as an economic force in the international economy. Fashion's influence on production, distribution, and consumption of textiles and apparel. Not for credit if had FCS 328. Prerequisite: Consent of the instructor.

429 APPAREL PRODUCT ANALYSIS**3 sem. hrs.**

Overview of apparel manufacturing and analysis of ready-to-wear apparel product quality. Not for credit if had FCS 329. Prerequisite: Consent of the instructor.

433 FAMILY AND CONSUMER PUBLIC POLICY**3 sem. hrs.**

Public and private sector programs serving human needs: role of family and consumer science professionals in the public policy arena. Not for credit if had FCS 333. Prerequisite: Consent of the instructor.

434 PERSPECTIVES ON SUSTAINABILITY IN APPAREL AND INTERIOR DESIGN**3 sem. hrs.**

Understanding the environmental impact of textile product design and production processes; alternative solutions for sustainable design and merchandising decisions. Not for credit if had FCS 334. Prerequisite: Consent of the instructor.

**445 STATISTICS IN APPLIED SCIENCE
AND TECHNOLOGY****3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using current technology. Also offered as AGR/KNR/TEC 445.

446 ENVIRONMENTAL LIGHTING DESIGN**2 sem. hrs.**

Design of the luminous environment. Emphasis on lighting sources, fixture schedules, switching patterns, and drawings in residential and commercial applications. Not for credit if had FCS 346. Prerequisite: Consent of the instructor.

461 FASHION HISTORY I**3 sem. hrs.**

Analysis of fashion from antiquity through the 19th century, in relation to social and cultural environments. Emphasis on western world. Not for credit if had FCS 361. Prerequisite: Consent of the instructor.

462 FASHION HISTORY II**3 sem. hrs.**

Analysis of fashion from 1900 to today in relation to social and cultural environments. Emphasis on designers and innovators. Not for credit if had FCS 362. Prerequisite: Consent of the instructor.

468 FASHION PROMOTION**3 sem. hrs.**

Apparel merchandising techniques with emphasis on visual merchandising advertising, fashion shows, and related promotional activities. Not for credit if had FCS 368. Prerequisite: Consent of the instructor.

475 INTERIOR DESIGN III: STUDIO**4 sem. hrs.**

Study of design theory/analysis in relation to large-scale, comprehensive commercial interiors. Emphasis on codes regulating ergonomic and life safety issues. Materials charge optional. Not for credit if had FCS 375. Prerequisite: Consent of the instructor.

476 INTERIOR DESIGN IV: STUDIO**4 sem. hrs.**

Culmination of design process in a self-guided interior design project in student's area of concentration. Materials charge optional. Not for credit if had FCS 376. Prerequisite: Consent of the instructor.

**491 INTERNSHIP IN COLLEGE TEACHING
IN FAMILY AND CONSUMER SCIENCES****3 sem. hrs.**

Credit for the course is given in the School of Teaching and Learning. (See TCH 491.)

**497 INTRODUCTION TO RESEARCH
METHODOLOGY****3 sem. hrs.**

Selection of a research problem, collection and analysis of data, types of research, the research report, and use of library and data processing resources; provides a background for the preparation of a thesis and/or research in the field.

**498 PROFESSIONAL PRACTICE: FAMILY AND
CONSUMER SCIENCES****1-8 sem. hrs.**

Refer to index for General Courses.

**498A90 PROFESSIONAL PRACTICE: FAMILY AND
CONSUMER SCIENCES LAST YEAR****1-8 sem. hrs.**

Refer to index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS****1-5 sem. hrs.**

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM****1 sem. hr.**

Refer to Index for General Courses.

HEALTH SCIENCES (HSC)

305 Felmley Hall, (309) 438-8329
HealthSciences.IllinoisState.edu

Chairperson: Jeff Clark. Office: 305 Felmley Hall.

Graduate Faculty: Broadbear, Byrns, Clark, Grieshaber, Jin.

Note: Graduate degrees are not granted in the Department of Health Sciences, but coursework is available as supplemental study or electives.

Health Sciences Courses

322 POLLUTION PREVENTION 3 sem. hrs.

Basic methods in pollution prevention as applied to industrial and non-industrial settings. Prerequisites: HSC 145; MAT 119.

350 FOOD PROTECTION 3 sem. hrs.

An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption. Lecture and lab. Materials charge optional. Prerequisites: HSC 145; BSC 160 or concurrent registration.

359 INDUSTRIAL HYGIENE 3 sem. hrs.

Techniques for measurement, evaluation and control of chemical and physical hazards in occupational environments. Lecture and lab. Materials charge optional. Prerequisites: HSC 248; MAT 120 or 145.

362 ERGONOMICS 3 sem. hrs.

Overview of physical and psychological aspects of ergonomics, including workstation design, accident causation, and ergonomic-related injuries and illnesses. Prerequisites: MAT 120 or 145; PHY 105 or 108; HSC 204 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

370 SAFETY TRAINING DEVELOPMENT 3 sem. hrs.

Principles, responsibilities, and techniques for developing, and administering an industrial safety training program, including principles of adult learning. Formerly *INDUSTRIAL SAFETY*. Prerequisites: HSC 381.

372 ACCIDENT/INCIDENT INVESTIGATION, RECORDS, AND EVALUATION 3 sem. hrs.

Theory, function, and application of accident/incident investigation, reporting and analysis systems. Form design, utilization and record keeping procedures. Prerequisites: HSC 381; MAT 120 or 145; PHY 105 or 108.

378 DISASTER PREPAREDNESS 3 sem. hrs.

Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes a hands-on disaster exercise. Prerequisites: CHE 110 and 112 or CHE 140 or BSC 145; or consent of the instructor.

380 FIRE PROTECTION AND PREVENTION 3 sem. hrs.

Measures related to safeguarding human life and preservation of property through prevention, detection, and suppression of fire. Prerequisites: HSC 381; PHY 105 or 108.

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) 3 sem. hrs.

Interpretation of the provisions of the Occupational Safety and Health Act; the regulations, standards and reporting requirements pursuant to it. Prerequisite: HSC 170, 271; CHE 140 or consent of the instructor.

382 IMPROVING SAFETY PERFORMANCE 3 sem. hrs.

Development of specialized knowledge and skills in problem-solving, evaluation and implementation of occupational safety programs. Prerequisites: HSC 370; HSC 204A02 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

383 AGRICULTURAL SAFETY AND HEALTH 3 sem. hrs.

Major problems of accident causation and prevention applicable to agriculture and the need for farm safety education, engineering, and enforcement of countermeasures. Half-day field trip required. Also offered as AGR 383.

384 HAZARDOUS MATERIALS REGULATIONS 3 sem. hrs.

Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community. Prerequisite: CHE 140.

385 SYSTEM SAFETY 3 sem. hrs.

Risk and life cycle concept. Application of inductive and deductive analytical techniques for hazard identification and risk assessment. Prerequisite: HSC 204 or MQM 100 or ECO 138 or GEO 138 or POL 138 or PSY 138.

387 PROGRAMS IN SCHOOL HEALTH 3 sem. hrs.

Comprehensive school health education with major topics of health education, school health programs, and school community collaboration. Prerequisites: HSC 290 and 292.

390 DRUGS IN SOCIETY 3 sem. hrs.

Psychological, social, medical, legal and economic aspects of use, misuse and abuse of substances will be explored along with the implications for education and prevention. Prerequisites: Health Education major or minor only. A minimum of 45 hours completed.

391 CURRICULUM AND EVALUATION IN SCHOOL HEALTH 3 sem. hrs.

School health education standards, curriculum development and evaluation, student assessment and accommodation for student with special needs. Includes clinical experience: 10 hours. Prerequisites: HSC 290; Admission to Professional Studies.

394 HEALTH ASPECTS OF AGING**3 sem. hrs.**

Characteristics of the aging process and factors influencing adaptation and the quality of living. Also offered as FCS/KNR 394.

395 HEALTH COMMUNICATION AND SOCIAL MARKETING**3 sem. hrs.**

Analysis and development of print and non-print materials and their use by health educators. Formerly *MEDIA AND MATERIALS IN HEALTH EDUCATION*. Prerequisites: Grade of C or better in HSC 286 and 290A01 or 290A02. Health Sciences major only.

396 HEALTH EDUCATION PROGRAM PLANNING AND EVALUATION**3 sem. hrs.**

Theory and application of health education planning and promotion. Grantsmanship and evaluation will be emphasized. Prerequisites: Grade of C or better in HSC 286 and 290A01 or 290A02. Health Sciences major only.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to Index for General Courses.

INFORMATION TECHNOLOGY (IT)

202 Old Union Hall, (309) 438-8338
IT.IllinoisState.edu

School Director: Mary Elaine Califf. Office: 202 Old Union.

Graduate Program Director: Billy Lim.

Graduate Faculty: Califf, Javadi, Jia, Li, Lim, Mahatanankoon, Qaddour, Sagers, Saripalle, Sikolia, Suh, Tang, Wolf.

Master's Degree in Information Systems

The Master of Science in Information Systems program emphasizes the application of computers to real-world problem solving, focusing principally on software and people-related issues in the development of computer applications. It is appropriate for a range of students, including industry practitioners seeking career advancement, students wishing to expand on their undergraduate computing work, and individuals wishing to make a career change.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School apply. Additional School of Information Technology requirements are listed below.

Applicants must have a bachelor's degree from an accredited university or college and must have a grade point average (GPA) of at least 3.0 (B) on a 4.0 scale, calculated over the last 60 hours taken (either graduate or undergraduate). The undergraduate degree need not be in computing.

Applicants must submit scores from the Graduate Record Examination (GRE). The GRE Revised General Test Verbal Reasoning score for admitted students typically exceeds 143, the Quantitative Reasoning score exceeds 140, and the sum of these two scores exceeds 300. Scores on the prior version of the GRE General Test typically exceed 350 for Verbal Reasoning, 400 for Quantitative Reasoning, and the sum of these two scores exceeds 1100. International students must present a TOEFL score of at least 88 on the Internet-based test, 230 on the computer-based test, or 570 on the paper-based test or an IELTS score with a band of at least 7.0.

Students may be admitted to the Information Systems program for fall or spring semesters with preference given to student applications received by March 1 for fall (August) admission and by September 1 for spring (January) admission.

Full-time students in the Information Systems program should expect to spend at least two years completing the master's program once foundation coursework has been finished.

All 400-level courses in the School of Information Technology have restricted enrollments and are not open to visiting graduate students. Opportunities for non-Information Systems majors, including visiting students and graduate students in other majors, to take undergraduate and 3xx-level IT courses are also limited, and permission to register must be obtained from the graduate

advisor (302 Old Union Building). Such students may be required to furnish official transcripts that show the degree earned and completion of the prerequisites for the course in which the student is seeking enrollment.

Programs Offered

The School offers four sequence options to complete the Master of Science degree. The sequences are Geographic Information Systems, Internet Application Development, Network and Security Management, and Systems Development. Within each sequence the student may choose to complete a 36 semester hour thesis option, a 39 semester hour project option, or a 39 semester hour course option.

Curriculum Requirements

This degree assumes an undergraduate knowledge base in information technology, which students with computer-related undergraduate degrees will typically have acquired. Students lacking sufficient background will need to complete fundamental courses before enrolling in the Information Systems core courses.

Students lacking sufficient background should expect to complete some or all of the following courses with a grade of B or better:

- IT 250 Fundamentals of Information Assurance and Security
- IT 254 Hardware and Software Concepts
- IT 261 Systems Development I
- IT 275 Java as a Second Language OR
- IT 168 Structured Problem Solving Using the Computer AND
- IT 178 Computer Applications Programming
- IT 276 Data Communications
- IT 378 Database Processing

The graduate advisor will determine specific requirements.

All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

To provide a common background, each student is required to complete all courses in the following core areas:

IS Technology (12 hours)

- IT 432 Systems Analysis and Design
- IT 478 Advanced Database Management
- IT 351 Practical Cryptography and Trustworthy Computing OR
- IT 357 Tools and Techniques in Information Assurance and Security
- IT 377 Practical Telecommunications Networking

IS Management (6 hours)

- IT 463 Information Technology Project Management
- IT 496 Information Technology Strategy and Policy

Additional Course (3 hours)

- IT 497 Introduction to Research Methodology

All students must take IT 497 during their first year in the program.

There are three options available within this degree: the Thesis Option, the Project Option, and the Course Option.

Thesis Option: The Thesis Option requires a minimum of 36 semester hours as follows:

- Core courses (21 hours)
- IT 499 Master's Thesis (6 hours)
- Choose one of the following sequences (9 hours):

Geographic Information Systems Sequence:

- GEO 303, 304; and
- 1 of the following: GEO 488 or IT 467.

or

Internet Application Development Sequence:

- IT 353, 354; 358.

or

Network and Security Management Sequence:

- IT 450, 477; and
- 1 of the following: IT 351, 357, 374, 376, 381.

or

Systems Development Sequence:

- IT 467, 468;
- 1 of the following: IT 341, 368, 485.

Total of 36 hours

Students in the Thesis Option must complete a minimum of 18 hours of 400-level coursework, not including thesis hours.

Project Option: The Project Option requires a minimum of 39 semester hours as follows:

- Core courses (21 hours)
- IT 494 Master's Project (6 hours)
- Choose one of the following sequences (12 hours):

Geographic Information Systems Sequence:

- GEO 303, 304; and
- 2 of the following: GEO 305, 488; IT 341, 353, 467.

or

Internet Application Development Sequence:

- IT 353, 354, 358, and
- 1 of the following: IT 368, 467, 468, 485.

or

Network and Security Management Sequence:

- IT 450, 477; and
- 2 of the following: IT 351, 357, 374, 376, 381.

or

Systems Development Sequence:

- IT 467, 468; and
- 2 of the following: IT 341, 368, 485.

Total of 39 hours

Students in the Project Option must complete a minimum of 18 hours of 400-level coursework, not including project hours.

Course Option: The Course Option requires a minimum of 39 semester hours as follows:

- Core courses (21 hours).
- Technical Communication (3 hours): ENG 349.
- Choose one of the following sequences (15 hours)

Geographic Information Systems Sequence:

- GEO 303, 304; IT 495.
- 2 of the following: GEO 305, 488; IT 341, 353, 467.

or

Internet Application Development Sequence:

- IT 353, 354, 358, 495; and
- 1 of the following: IT 368, 467, 468, 485.

or

Network and Security Management Sequence:

- IT 450, 477, 495; and
- 2 of the following: IT 351, 357, 374, 376, 381.

or

Systems Development Sequence:

- IT 467, 468, 495; and
- 2 of the following: IT 341, 368, 485.

Total of 39 hours

Students in the Course Option must complete a minimum of 21 hours of 400-level coursework.

Graduate Certificate Programs

The School of Information Technology offers several graduate certificate programs. The certificates are designed for individuals who would like to gain specialized knowledge in one of the areas of the certificates without the commitment of completing an entire degree program. The certificate programs provide students with focused studies and exposure to the very latest topics and trends in the IT industry and various opportunities for career advancement. Courses completed as part of the certificates may also be counted towards the requirements of the Master of Science in Information Systems with official admission to the graduate program.

Admission Requirements

All University and Graduate school requirements for admission to a graduate certificate program apply. Additional school requirements are listed below.

Admission to the graduate certificate programs requires an earned bachelor's degree in an information technology related field from an accredited four-year university or college with a minimum undergraduate grade point average (GPA) of at least 3.0 on a 4.0 scale calculated over the last 60 hours taken (either undergraduate or graduate). Extensive work experience in the information technology field is also considered towards admission. Applicants with a GPA less than 3.0 must submit scores of the GRE Revised General Test to be considered. International students must prove proficiency in the English language.

Enterprise Computing Systems Graduate Certificate

The Enterprise Computing Systems Graduate Certificate is designed for IT professionals who are interested in pursuing further professional development in the mainframe-based large scale enterprise computing systems area. This certificate program prepares students to apply computing system development and integration knowledge to large scale enterprise systems. Three courses, IT 330, 332, and 392 are required to earn the certificate. *Prerequisites: IT 225 or 254, IT 261, or consent of the graduate advisor.*

Information Assurance and Security Graduate Certificate

The Information Assurance and Security Graduate Certificate is designed for IT professionals who are interested in continuing education in methodologies and tools necessary for protecting information and information systems. The certificate provides an in-depth study of protecting the confidentiality, availability, and integrity of information using technology, people, and policy. The courses required to receive this certificate have been certified by the National Security Agency; students completing this certificate will also receive certification for the CNSS 4011 national standard.

Two core courses, IT 350 and 450, and one of IT 351 or 357 are required to earn the certificate. *Prerequisites: IT 261 or consent of the graduate advisor.*

Internet Application Development Graduate Certificate

The Internet Application Development Graduate Certificate is designed to provide a specialized education in emerging technologies for students who seek further studies in Web development. The certificate is intended to prepare students to meet the growing demand for qualifications in this field. Two core courses, IT 353, 354, and one of IT 467, 468, or 485, are required to earn the certificate. *Prerequisites: IT 261 and 375.05 or consent of the graduate advisor.*

Network and Telecommunications Management Graduate Certificate

The Network and Telecommunications Management Graduate Certificate is designed for IT professionals who are interested in pursuing further professional development in the Telecommunications and Networking area. This certificate program prepares students to better understand different network and telecommunications technologies and management methodologies. Two core courses, IT 381 and 477 and one of IT 376 or 377 are required to earn the certificate. *Prerequisite: IT 375 or consent of the graduate advisor.*

Systems Analyst Graduate Certificate

The Systems Analyst Graduate Certificate is designed for IT professionals who are interested in pursuing further professional development in the Systems Analyst area. This certificate program prepares students to better understand different information systems development methodologies and develop the skills to manage information systems projects. Three courses, IT 432, 463, and 478, are required to earn the certificate. *Prerequisites: IT 261 and 378 or consent of the graduate advisor.*

Information Technology Courses

Beginning with the 2016-2018 Graduate Catalog, 300-level Information Technology courses are no longer designated with .05 after the number. Only 300-level courses that are in this graduate catalog may be counted toward a graduate program.

**326 PRINCIPLES OF SOFTWARE ENGINEERING
3 sem. hrs.**

Fundamentals of software engineering. Topics include specification models, metrics, design fundamentals, interface design, quality assurance, and automated tools. *Prerequisites: IT 179, 261. Consent of the graduate advisor.*

**327 CONCEPTS OF PROGRAMMING
LANGUAGES
3 sem. hrs.**

Survey of pragmatic, syntactic and semantic structure of programming languages. Procedural, logic-oriented, object-oriented and other contemporary languages included. *Prerequisite: IT 179. Major or minor only or consent of the graduate advisor.*

**328 INTRODUCTION TO THE
THEORY OF COMPUTATION
3 sem. hrs.**

Basic concepts in computing theory. Topics include recursive definitions, regular expressions, transition graphs, automata, nondeterminism, grammars, parsing, decidability, Turing machines. *Prerequisite: Major or minor only, a grade of C or better in IT 279 or consent of graduate advisor.*

**330 INTRODUCTION TO ENTERPRISE
COMPUTING SYSTEMS
3 sem. hrs.**

Introduction to the mainframe enterprise computing systems, organizations, architectures, operating systems, networking, hardware and software utilities, and applications. *Prerequisite: Grade of C or better in IT 225 or 254. Major or minor only or consent of the graduate advisor.*

**340 INTRODUCTION TO ARTIFICIAL
INTELLIGENCE
3 sem. hrs.**

Foundations of artificial intelligence including heuristic search and knowledge representation with a survey of several artificial intelligence research areas. *Prerequisite: Major or minor only, grade of C or better in IT 279 or consent of graduate advisor.*

**341 OBJECT-ORIENTED SYSTEM
DEVELOPMENT
3 sem. hrs.**

Main concepts of object-oriented technology and a comprehensive methodology for system development. Object-oriented analysis, design, and implementation including object-oriented databases. *Prerequisites: Grade of C or better in IT 261; major or minor only or consent of the graduate advisor.*

**345 ADVANCED BUSINESS INTELLIGENCE
AND DATA WAREHOUSING
3 sem. hrs.**

Topics covered include data warehousing, Big Data, data governance, and the future of the business intelligence field. *Prerequisite: Grade of C or better in IT 378.*

**351 PRACTICAL CRYPTOGRAPHY AND
TRUSTED SYSTEMS
3 sem. hrs.**

Practical cryptography and its applications, authentication protocols, access controls and trusted systems. Formerly *ADVANCED INFORMATION ASSURANCE AND APPLIED CRYPTOGRAPHY*. *Prerequisites: Grade of C or better in IT 250 or 226 and 276. Major or minor only or consent of the graduate advisor.*

**353 WEB DEVELOPMENT TECHNOLOGIES
3 sem. hrs.**

Web concepts, infrastructure, development technologies, multi-tiered program design and implementation, and current issues and trends. *Prerequisite: Grade of C or better in IT 261; major or minor only or consent of the graduate advisor.*

354 ADVANCED WEB APPLICATION DEVELOPMENT
3 sem. hrs.

Theory and practice of state-of-the-art technologies for application development for the Web including service-oriented and mobile systems. Prerequisite: Grade of C or better in IT 353; major or minor only or consent of the graduate advisor.

356 INTRODUCTION TO COMPUTER GRAPHICS
3 sem. hrs.

Graphics software and hardware, pipeline model of rendering; 2-D and 3-D modeling, transformations. Algorithms: polygons, lighting, textures, visibility. Prerequisite: IT 279; major or minor only or consent of the graduate advisor.

357 TOOLS AND TECHNIQUES IN INFORMATION ASSURANCE AND SECURITY
3 sem. hrs.

Application of current tools and techniques in information assurance and security including monitoring, malware, penetration testing, and data forensics. Prerequisite: Grade of C or better in IT 250 and 276.

358 MOBILE AND CLOUD COMPUTING
3 sem. hrs.

Develop, deploy, and troubleshoot mobile and cloud computing applications. Prerequisite: Grade of C or better in IT 353, or consent of the graduate advisor.

367 DESIGNING THE USER INTERFACE
3 sem. hrs.

Human factors issues in developing information systems: task analysis, user interface design guidelines, psychological principles, prototyping interfaces, and user evaluation. Prerequisite: Grade of C or better in IT 261; major or minor only or consent of the graduate advisor.

368 TOPICS IN INFORMATION SYSTEMS
3 sem. hrs.

Advanced topics in information systems, including systems analysis, design, and systems development, and Web development. May be repeated if content is different. (See the following topics.) Prerequisite: Major or minor only or consent of the graduate advisor. Prerequisites vary with topic chosen.

368A16 MANAGING IT SERVICES
3 sem. hrs.

The entire Information Technology Infrastructure Library (ITIL) service lifecycle, consisting of five interrelated phases is introduced and narrated with real-world scenarios and case studies. Prerequisite: Information Systems or Computer Science major or minor or consent of the graduate advisor.

368A17 ENTERPRISE RESOURCE PLANNING
3 sem. hrs.

This course provides students with a comprehensive evaluation of Enterprise Resource Planning (ERP) from managerial and technical aspects. Prerequisites: Major or minor only or consent of the department advisor. A grade of C or better in IT 261 and COM 223 or consent of the graduate advisor.

370 SERVER MANAGEMENT
3 sem. hrs.

Build, manage and troubleshoot server hardware and software. Prerequisite: Grade of C or better in IT 377, or consent of the graduate advisor.

372 EXTERNAL DATA STRUCTURES
3 sem. hrs.

External file design, VSAM, IBM utilities and sort/merge, basic concepts of IBM/MVS operating systems, and extensive study of JCL. Prerequisites: Grade of C or better in IT 254 and 272; major or minor only or consent of the graduate advisor.

374 TOPICS IN TELECOMMUNICATIONS
3 sem. hrs.

In-depth study of a topic in Telecommunications such as emerging technologies, network administration, network management architectures and wireless communications. May be repeated if content is different. Prerequisites: Major or minor only or consent of the graduate advisor. Prerequisites vary with topic chosen.

376 WIRELESS AND MOBILE NETWORK SECURITY
3 sem. hrs.

Overview of fundamental principles and security algorithms of security in wireless networks. Emphasis is on application, design, and analysis. Prerequisite: Grade of C or better in IT 375; major or minor only or consent of the graduate advisor.

377 PRACTICAL TELECOMMUNICATIONS NETWORKING
3 sem. hrs.

Design, configure, operate and use Local Area Networks, network applications, and wide area network concepts. Emphasizing hands-on use of a network operating system. Prerequisite: Grade of C or better in IT 375; major or minor only or consent of the graduate advisor.

378 DATABASE PROCESSING
3 sem. hrs.

Database concepts, emphasis on relational databases, SQL, data modeling, database design, DBMS functions, database application programming, current trends, design project. Prerequisite: Grade of C or better in IT 261. Major or minor only or consent of the graduate advisor. Not for credit in the IT graduate program.

380 WIRELESS COMMUNICATION SYSTEMS
3 sem. hrs.

Theory and practice of wireless telecommunications systems. Emphasis is on application, design, and analysis of wireless systems. Prerequisite: Grade of C or better in IT 375; major or minor only or consent of the graduate advisor.

381 NETWORK DESIGN AND ANALYSIS
3 sem. hrs.

Analyze user internetworking requirements; design and implement a network infrastructure that can meet the user requirements. Prerequisites: Grade of C or better in IT 373 and 377, or consent of the graduate advisor.

382 DISTRIBUTED SYSTEMS
3 sem. hrs.

Overview of distributed systems including system architectures, models, distributed operating systems, distributed algorithms, distributed databases, distributed objects, issues and trends. Prerequisites: Grade of C or better in IT 179 and 225 and 261; major or minor only or consent of the graduate advisor.

383 PRINCIPLES OF OPERATING SYSTEMS
3 sem. hrs.

Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities. Prerequisites: Grade of C or better in IT 225 and 226; consent of the graduate advisor.

385 TOPICS IN COMPUTER SCIENCE**3 sem. hrs.**

In-depth study of a topic such as compiler design, artificial intelligence, programming language, and digital logic design. May be repeated if content is different (see topics below). Offered alternate years. Prerequisites: Major or minor only or consent of the graduate advisor. Prerequisites vary with topic chosen.

385A16 ENTERPRISE RECOURSE PLANNING**3 sem. hrs.**

This course provides students with a comprehensive evaluation of Enterprise Resource Planning (ERP) from managerial and technical aspects. Prerequisites: Major or minor only or consent of the graduate advisor. A grade of C or better in IT 261 and COM 223, or consent of the graduate advisor.

388 INTRODUCTION TO PARALLEL PROCESSING**3 sem. hrs.**

Study of parallel processors and their software environments. Students will write programs for several parallel computers. Prerequisites: Grade of C or better in IT 225; concurrent registration in IT 279; major or minor only or consent of the graduate advisor.

392 ENTERPRISE SYSTEMS INTEGRATION AND APPLICATION DEVELOPMENT**3 sem. hrs.**

Capstone course including business applications, systems integration, enterprise business decisions, systems administration, and the systems deployment life cycle. Prerequisites: Grade of C or better in IT 332 and 378; major or minor only or consent of graduate advisor.

400 INDEPENDENT STUDY**1-3 sem. hrs.**

Refer to the Index for General Courses. Prerequisite: Consent of the department.

432 SYSTEMS ANALYSIS AND DESIGN**3 sem. hrs.**

Study of systems development life-cycle emphasizing current techniques for documenting users' requirements and producing maintainable, cost effective systems. Not for credit if IT 363 has already been taken. Prerequisites: IT 261 and a two-semester sequence of courses in a high-level programming language or consent of the graduate advisor.

450 POLICY AND ADMINISTRATION IN INFORMATION ASSURANCE AND SECURITY**3 sem. hrs.**

Detailed look into the issues involved in managing information security in organizations. Prerequisite: IT 350 or consent of the graduate advisor.

463 INFORMATION TECHNOLOGY PROJECT MANAGEMENT**3 sem. hrs.**

Techniques for planning and supervising software development and infrastructure related projects, including defining project scope, allocating resources, projecting costs, and tracking project progress. Prerequisite: IT 432, or consent of the graduate advisor.

467 HUMAN FACTORS IN INFORMATION SYSTEMS**3 sem. hrs.**

Human factors issues in developing information systems: design guidelines, psychological principles, incorporation into a systems development life cycle. Prerequisite: IT 432 or consent of the graduate advisor.

468 SOFTWARE QUALITY ASSURANCE AND TESTING**3 sem. hrs.**

Major techniques for improving software quality; quality assurance, software controls, and software testing. Prerequisite: IT 432 or consent of the graduate advisor.

477 CONVERGED NETWORK ARCHITECTURES**3 sem. hrs.**

Technical and management issues of underlying communications technologies, protocols, and applications of converged network architectures. Prerequisite: IT 375 or consent of the graduate advisor.

478 ADVANCED DATABASE MANAGEMENT**3 sem. hrs.**

Theory, design, and implementation of application systems using database technology. Data modeling, database administration, database implementation, performance issues, current trends. Prerequisite: IT 378 or consent of the graduate advisor.

485 ADVANCED TOPICS IN INFORMATION SYSTEMS**3 sem. hrs.**

In-depth study of an advanced, state-of-the-art topic in information systems. May be repeated if topic is different (see below). Formerly *ADVANCED TOPICS IN SYSTEMS DEVELOPMENT*. Prerequisite: Consent of the graduate advisor.

485A02 ADVANCED TOPICS IN SYSTEMS DEVELOPMENT: WEB SITE DEVELOPMENT, NET TECHNOLOGY**3 sem. hrs.**

Prerequisite: Consent of the graduate advisor.

494 GRADUATE DIRECTED PROJECT**1-4 sem. hrs.**

Software development practicum for graduate students. Designed to integrate computer related skills in an intensive project environment. May be repeated. A maximum of 6 hours may be counted toward a master's degree. Prerequisite: Consent of Graduate Program Committee.

495 INFORMATION TECHNOLOGY CAPSTONE**3 sem. hrs.**

A culminating course emphasizing actual design and implementation of information systems by applying systems development, programming, and project management concepts. Prerequisites: 15 hours of 400-level IT courses, including IT 432 and 463.

496 INFORMATION TECHNOLOGY STRATEGY AND POLICY**3 sem. hrs.**

Analytical study of the use of information systems technology to develop and maintain a strategic competitive advantage. Prerequisites: IT 432 and 463, or consent of graduate advisor.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY**

3 sem. hrs.

Introduction to the design, evaluation, and understanding of qualitative and quantitative research methodologies. Prerequisites: IT 375 and 378, or consent of the graduate advisor.

**498 PROFESSIONAL PRACTICE IN
INFORMATION TECHNOLOGY**

1-6 sem. hrs.

Refer to Index for General Courses. Supervised work experience in the field of information technology. Prerequisites: Completion of 18 credit hours or more in the IT master's program and consent of graduate advisor. Not for credit toward 400-level course requirements or elective requirements.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to Index for General Courses.

499A01 MASTER'S THESIS

1-5 sem. hrs.

Refer to Index for General Courses.

KINESIOLOGY AND RECREATION (KNR)

250 McCormick Hall, (309) 438-8661
KinRec.IllinoisState.edu

School Director: Dan Elkins. Office: 250 McCormick Hall.

Graduate Program Director: Noelle Selkow.

Graduate Faculty: Achen, Amorose, Andre, Begalle, Beggs, Brown, Coleman, Elkins, Garrahy, Henninger, Hurd, Lacy, Lagally, Laudner, Laurson, Mainieri, McLoda, Pierce, Schlatter, Selkow, Smith, Stanek, Thomas, Torry, Warren, Williams.

Programs Offered

The School of Kinesiology and Recreation offers a 33-hour program leading to a Master of Science Degree in Kinesiology and Recreation. The program allows students to work with a member of the graduate faculty to pursue a sequence in Applied Community and Economic Development, Athletic Training, Biomechanics, Exercise Physiology, Physical Education Pedagogy, Psychology of Sport and Physical Activity, Recreation Administration, and/or Sport Management. Students seeking an Ed.D. in Educational Administration or Teaching and Learning may, with approval, include credit hours in Kinesiology and Recreation in their degree audit.

Admission Requirements

Admission to the Graduate Program in the School of Kinesiology and Recreation (KNR) as a degree student requires that the student meet all of the University Graduate School requirements. To be considered for admission to the School of Kinesiology and Recreation, a student must have an undergraduate grade point average (GPA) of at least 3.0 based on the last 60 hours of undergraduate work and submit Graduate Record Examination (GRE) scores on the verbal, quantitative, and analytical writing assessment. The GRE is not required for Physical Education Pedagogy, Recreation Administration, and Sport Management. Applicants with a GPA of less than 3.0 who meet or exceed the University minimum of 2.8 may be considered for admission if combined GRE scores on the verbal and quantitative sections are at or above the fortieth percentile. The analytical writing assessment portion of the GRE general test will also be used in considering applicants. Three letters of recommendation, a goal statement, and a resume must be sent to the School of Kinesiology and Recreation. The Exercise Physiology sequence requires a list of three (3) references, instead of reference letters. Exceptions to the admission policies stated above are made on a case-by-case basis. Applicants may be admitted but should understand that additional undergraduate prerequisites to graduate coursework may be required. Students seeking a master's degree with an emphasis in Athletic Training should already be BOC certified or eligible for certification at the time of admission.

Master of Science Degree in Kinesiology and Recreation Requirements

The Master of Science degree is a 33 hour program typically completed during two academic years. The degree consists of a 6 hour research core (KNR 497, 445*), 21-24 hours of addi-

tional graduate-level coursework, and either 6 hours of Master's Thesis (KNR 499) or a minimum of 3 hours of a culminating experience (KNR 400 or 498). Since sequences are available in Kinesiology and Recreation, a plan of study is individually developed through faculty-student advisement. The plan of study must include 24 hours of Kinesiology and Recreation courses (including the research core). **All master's degree sequences require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.** Students may pursue a sequence in one of the following areas: Applied Community and Economic Development, Athletic Training, Biomechanics, Exercise Physiology, Physical Education Pedagogy, Psychology of Sport and Physical Activity, Recreation Administration, or Sport Management. Specific requirements for each sequence are detailed below.

*The 6 hour research core for the Physical Education Pedagogy sequence consists of KNR 418 and 497.

Applied Community and Economic Development Sequence:

The Applied Community and Economic Development (ACED) is a 33-hour sequence designed for returning Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies. Students desiring to complete the ACED sequence should apply and be approved by the Graduate Program Director before beginning coursework. The sequence ends with a required 11-month paid internship. Course requirements are as follows: (a) KNR core (18 hours): KNR 381, 400, 445, 497, 466 or 475, and 473 or 474; (b) ACED core (10 hours): ECO/POL/SOC 478, ECO 490A04, POL/SOC 470, and POL/SOC 477; and (c) KNR 498A30 (5 hours).

Athletic Training Sequence: In addition to the 6-hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete 18 hours of graduate-level athletic training coursework (KNR 484, 486, 487, 490, 494, 496), 3-6 hours in a cognate area approved by the athletic training sequence coordinator, and completion of a culminating experience approved by the athletic training sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

Biomechanics Sequence: In addition to the 6 hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete at least 12 hours of graduate-level biomechanics coursework (KNR 342, 352, 482 and 490 are required), 6-9 hours in a cognate area approved by the biomechanics sequence coordinator, and completion of a culminating experience approved by the biomechanics sequence coordinator. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

Exercise Physiology Sequence: In addition to the 6 hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete 15 hours of graduate-level exercise physiology coursework (KNR 415, 451, 457, 480, 481), 6-9 hours in a cognate area approved by the exercise physiology faculty advisor, and completion of a culminating experience approved by the exercise physiology faculty advisor. The culminating experience consists of either a 6-hour thesis or 3 hours of independent study.

Physical Education Pedagogy Sequence: All courses for the physical education graduate sequence will be delivered 100% online. In addition to KNR 497, required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete KNR 418 instead of KNR 445 as part of the research core, 12 hours of graduate level Physical Education coursework (KNR 417, 419, 421, 422), and 9-12 elective hours approved by the Physical Education sequence coordinator (i.e. KNR 423, 425, 426, 427, 428). The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice. This degree does not lead to teacher licensure or a teaching endorsement in physical education.

Psychology of Sport and Physical Activity Sequence: In addition to the 6 hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete 9 hours of graduate-level psychology of sport and physical activity coursework (KNR 405, 406, 416), 6-12 hours in a cognate area approved by the psychology of sport and physical activity faculty advisor, and completion of a culminating experience approved by the psychology of sport and physical activity faculty advisor. The culminating experience consists of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice.

Recreation Administration Sequence: In addition to the 6 hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete 15 hours of graduate-level recreation administration coursework (KNR 453, 466, 473, 474, 475), 6-9 hours in a cognate area and completion of a culminating experience, both of which are approved by the faculty advisor. The culminating experience consists of a 6 credit hour professional practice, a 6 credit hour thesis, or 3 credit hours of independent study.

Sport Management Sequence: In addition to the 6 hour research core required of all graduate students in Kinesiology and Recreation, this sequence requires students to complete 21 hours of graduate-level sport management coursework (KNR 430, 440, 453, 455, 462, 466, 467), 0-3 hours in a cognate area approved by a sport management faculty advisor, and completion of a culminating experience approved by a sport management faculty advisor. The culminating experience consists of a 3-6 hour professional practice, a 6-hour thesis, or 3 hours of independent study.

Kinesiology and Recreation Courses

305 BIOMECHANICS OF EXERCISE AND PHYSICAL ACTIVITY 3 sem. hrs.

Analysis of exercise and physical activity based on principles of anatomy and mechanics of motion. Materials charge optional. Prerequisites: Major or minor only; KNR 164 and 282 or consent of the instructor.

317 SOCIOLOGY OF SPORT 3 sem. hrs.

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups and collective behavior. Also offered as SOC 317.

342 OCCUPATIONAL BIOMECHANICS 3 sem. hrs.

Application of biomechanical principles to the solution of problems related to the interaction of the worker with the workplace. Materials charge optional. Prerequisite: KNR 282 or consent of the instructor.

352 QUANTITATIVE ANALYSIS OF BIOMECHANICS 3 sem. hrs.

Amplification of kinematics and kinetics of human movement; introduction to high speed videography, biomechanics instrumentation and computer analysis. Materials charge optional. Prerequisite: KNR 282 or consent of the instructor.

353 BASIC ELECTROCARDIOGRAPHY AND CLINICAL EXERCISE TESTING 3 sem. hrs.

Theory and application of electrocardiographic analysis in the functional and diagnostic assessment of individuals. Materials charge optional. Prerequisites: KNR 181, 182, 280, or consent of the instructor.

361 PATHOLOGY AND PHARMACOLOGY IN ATHLETIC TRAINING 3 sem. hrs.

Relevant biomedical conditions and afflictions and associated pharmacological interventions for the athletic training student. Materials charge optional. Prerequisites: KNR 181, 182. A minimum of 60 hours completed or consent of the instructor.

381 SPECIAL STUDIES IN RECREATION, TOURISM, AND SPORT 1-3 sem. hrs.

Special work in research interests of student and staff. Projects must be approved by the instructor. May be repeated for a maximum of 6 hours. Prerequisites: Consent of the instructor.

400 INDEPENDENT STUDY 1-4 sem. hrs.

Refer to Index for General Courses. Materials charge optional.

405 APPLIED MOTOR LEARNING 3 sem. hrs.

Motor learning and performance designed to apply theory to teaching practice in physical education. Prerequisite: KNR 257 or consent of the instructor.

406 ADVANCED SPORT PSYCHOLOGY 3 sem. hrs.

In-depth analysis and synthesis of current and foundational sport psychology topics through lectures, labs, and class projects.

407 PSYCHOLOGY OF PHYSICAL ACTIVITY 3 sem. hrs.

Examination and analysis of theory, research, and practical applications of social-psychological principles to the promotion and maintenance of physical activity. Formerly KNR 489.38.

415 EXERCISE AND CARDIORESPIRATORY FUNCTION 3 sem. hrs.

In-depth examination of effects of acute and chronic exercise on cardiorespiratory anatomy and physiology. Prerequisite: KNR 181, 182, 280, or consent of the instructor.

416 MOTIVATION IN SPORT AND EXERCISE
3 sem. hrs.

Motivational factors affecting the performance of individuals in sport, physical education, and exercise domains will be examined. Prerequisite: Consent of the instructor.

417 RESEARCH ON TEACHING IN PHYSICAL EDUCATION
3 sem. hrs.

Addresses research topics pertaining to teaching physical education by reading and synthesizing research for the development of a research project. Prerequisite: KNR 497 or consent of the instructor.

418 MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION
3 sem. hrs.

Measure student learning and program effectiveness using assessment and descriptive/inferential statistics in a K-12 standards based physical education program. Not for credit if had KNR 445 *STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY*. Prerequisites: KNR 497 or consent of the instructor.

422 PROMOTING PHYSICAL ACTIVITY AND FITNESS EDUCATION
3 sem. hrs.

Exploration of current trends in physical activity and fitness programs and their impact on youth in various settings.

423 SOCIOCULTURAL PERSPECTIVES IN PHYSICAL EDUCATION PEDAGOGY
3 sem. hrs.

Examination and critical analyses of research on sociocultural factors influencing the teaching-learning process in physical education settings.

425 TECHNOLOGY INTEGRATION IN PHYSICAL EDUCATION
3 sem. hrs.

Study of teaching and learning implications while integrating technology in physical education. Design educational materials using technology.

426 CLINICAL SUPERVISION IN PHYSICAL ACTIVITY SETTINGS
3 sem. hrs.

Evaluation of clinical supervision styles and skills. Focus on practicing clinical supervision and developing plans for teacher growth and development.

427 AUTHENTIC ASSESSMENT IN CONTEMPORARY PHYSICAL EDUCATION PROGRAMS
3 sem. hrs.

Understanding and creating types of authentic assessment suitable for use in a K-12 physical education school setting.

428 CONTEMPORARY TOPICS IN PHYSICAL EDUCATION
3 sem. hrs.

Addresses contemporary topics and issues pertaining to the enhancement of teaching and learning in physical education. May be repeated if content is different; maximum of 12 semester hours.

430 THE SPORT INDUSTRY
3 sem. hrs.

Introduction to the sport industry with an emphasis on management principles and governance issues within sport organization.

440 SEMINAR IN ADVANCED SPORT MARKETING AND SALES
3 sem. hrs.

Advanced marketing principles and practices with emphasis on the sales aspect of the sports industry. Prerequisite: KNR 466.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY
3 sem. hrs.

Descriptive and inferential statistics in the applied sciences; statistical analysis using current technology. Also offered as AGR/FCS/TEC 445. Prerequisite: KNR 497.

451 LABORATORY TECHNIQUES AND CONDITIONING FOR PERFORMANCE ENHANCEMENT
3 sem. hrs.

Application of advanced laboratory techniques to assess performance potential and guide in development of specialized conditioning programs. Materials charge optional. Prerequisite: KNR 280 or consent of the instructor.

453 FACILITY AND EVENT MANAGEMENT IN SPORT AND RECREATION
3 sem. hrs.

Examination of practices in planning, designing, and operating facilities and events in sport and recreation.

455 FISCAL MANAGEMENT IN SPORT AND RECREATION
3 sem. hrs.

Fiscal management in sport and recreation industries, including financial management, economic principles, and general business and accounting concepts.

457 LIFECOURSE EXERCISE PHYSIOLOGY
3 sem. hrs.

Overview of the physiological effects of acute and chronic exercise on the pregnant woman, fetus, child and older adult. Prerequisite: KNR 280 is recommended.

458 PHYSICAL ACTIVITY EPIDEMIOLOGY
3 sem. hrs.

Overview of the general concepts of the epidemiology of physical activity, health-related fitness and disease. Materials charge optional.

462 PRINCIPLES OF SPORT LAW
3 sem. hrs.

Analysis of legal principles impacting organizations in sport industry, including torts, constitutional law, contracts, discrimination, and antitrust law.

463 ADVANCED SPORT EVENT MANAGEMENT
3 sem. hrs.

Application of sport management and marketing principles to field experience settings as students develop, plan, execute, and evaluate sport events. Prerequisite: KNR 453.

466 MARKETING OF SPORT AND RECREATION**3 sem. hrs.**

Market research and planning, product development, promotions, media relations, and sponsorship in sport and recreation.

467 ADVANCED TOPICS IN SPORT MANAGEMENT**3 sem. hrs.**

Intensive investigation of topics and issues affecting managers in the sport industry. Prerequisites: KNR 497; KNR 445 or concurrent registration.

473 TRENDS AND ISSUES IN LEISURE SERVICES**3 sem. hrs.**

In-depth analysis of selected trends, issues and problems confronting leisure service and recreation practitioners in contemporary settings.

474 CONCEPTS AND THEORIES OF LEISURE AND RECREATION**3 sem. hrs.**

An examination of concepts, theories and determinants of leisure and recreation. Application of relevant research to leisure programs and services. Prerequisite: Consent of the instructor for non-Kinesiology and Recreation majors.

475 MANAGEMENT OF SPORT AND RECREATION**3 sem. hrs.**

Management practices and principles related to effective operation of sport and recreation delivery systems.

480 EXERCISE AND BODY COMPOSITION**3 sem. hrs.**

Theory and practice in the assessment and interpretation of exercise and body composition including age, gender, and racial variations. Materials charge optional. Prerequisite: KNR 280 or consent of the instructor.

481 WORK METABOLISM**3 sem. hrs.**

An investigation of the metabolic changes that occur during exercise stress in physical education and sport activities. Prerequisite: KNR 280 or consent of the instructor.

482 ADVANCED BIOMECHANICS OF HUMAN MOVEMENT**3 sem. hrs.**

Emphasis is on problems of human movement from both theoretical and experimental aspects utilizing contemporary methodology. Materials charge optional. Prerequisite: KNR 342 or 352 or consent of the instructor.

484 EVIDENCE-BASED SPORTS MEDICINE**3 sem. hrs.**

Introduction to clinical epidemiology and evaluation of the efficacy of prevention, diagnostic, and treatment strategies in sports medicine. Prerequisites: KNR 445 and 497.

486 ADVANCED ASSESSMENT AND TREATMENT OF MUSCULOSKELETAL INJURIES**3 sem. hrs.**

Detailed analysis of the advanced evaluation and treatment of musculoskeletal pathologies involving the upper and lower extremities. Prerequisites: KNR 387 and 388 or consent of the instructor.

487 ADVANCED SEMINAR IN SPORTS MEDICINE**3 sem. hrs.**

Advanced study and discussion of contemporary issues in the field of sports medicine. Formerly *SPORTS MEDICINE: MEDICAL ASPECTS*. Not for credit if had KNR 485.

490 INJURY BIOMECHANICS**3 sem. hrs.**

In-depth analysis of biomechanical principles and pathomechanics related to the prevention, evaluation, and treatment of athletic related injuries. Prerequisite: KNR 282 or consent of the instructor.

491 INTERNSHIP IN COLLEGE TEACHING IN HEALTH, KINESIOLOGY, AND RECREATION**3 sem. hrs.**

Credit in this course is given in the School of Teaching and Learning. (See TCH 491.)

494 MODERN MANUAL THERAPY I**3 sem. hrs.**

Detailed analysis and application of manual therapy techniques for evaluating and treating myofascial restrictions. Prerequisite: Acceptance into Athletic Training Sequence or consent of the instructor.

496 MODERN MANUAL THERAPY II**3 sem. hrs.**

Detailed analysis and application of manual therapy techniques in the evaluation and treatment of various pathologies associated with joint hypomobility. Prerequisite: Acceptance into Athletic Training Sequence or consent of the instructor.

497 INTRODUCTION TO RESEARCH METHODOLOGY**3 sem. hrs.**

Introduction to and evaluation of research designs and published research. Enables students to improve their use and production of research.

498 PROFESSIONAL PRACTICE KNR**1-12 sem. hrs.**

Refer to Index for General Courses. Materials charge optional.

498A10 PROFESSIONAL PRACTICE IN EXERCISE SCIENCE**1-12 sem. hrs.**

Refer to Index for General Courses. Formerly *PROFESSIONAL PRACTICE IN PHYSICAL EDUCATION*.

498A12 PROFESSIONAL PRACTICE IN SPORTS MEDICINE AND ATHLETIC TRAINING**1-12 sem. hrs.**

Refer to Index for General Courses.

498A30 PROFESSIONAL PRACTICE IN PARKS AND RECREATION**1-12 sem. hrs.**

Refer to Index for General Courses. Materials charge optional.

498A40 PROFESSIONAL PRACTICE IN HEALTH EDUCATION**1-12 sem. hrs.**

Refer to Index for General Courses. Materials charge optional.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS**

1-5 sem. hrs.

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM**

1-6 sem. hrs.

Refer to Index for General Courses.

TECHNOLOGY (TEC)

215 Turner Hall, (309) 438-3661
TEC.IllinoisState.edu

Chairperson: Ted Branoff. Office: 215 Turner Hall.

Graduate Program Director: Klaus Schmidt.

Graduate Faculty: Boser, Branoff, Brown, Devine, Gokhale, Jo, Merrill, Park, Reifschneider, Schmidt, Shim, Solanki, Wieland, Wilson, Xie.

Degree Programs Offered

Master of Science in Technology

The department offers a Master of Science in Technology degree. A student may choose one of the following options: (a) 30 semester hour program with a thesis, or (b) 33 semester hour program, plus a comprehensive examination. Four sequences, including Project Management, Quality Management and Analytics, STEM Education and Leadership, and Training and Development, are offered. The STEM Education and Leadership sequence is not a teacher licensure program. Licensed teachers pursue the degree for professional development. Non-licensed students also may pursue the master's degree in conjunction with other undergraduate courses required for teacher licensure. University requirements for master's degrees are listed elsewhere in this catalog. All courses, including transfer courses, must be listed on the Degree Audit and approved by the graduate coordinator and the Director of Graduate Studies.

Admission Requirements

Admission to the master's degree program or the graduate certificate programs requires an earned bachelor's degree with a minimum undergraduate cumulative GPA of 3.0 or a GPA of 3.25 in the last 60 undergraduate hours. Program applicants are encouraged, but not required, to submit the scores of the General Test of the GRE. Program applicants with GPA lower than 3.0 overall or 3.25 in the last 60 undergraduate hours must submit scores of the General Test of the GRE to be considered for probationary program admission and/or to apply for graduate assistantships. (Graduate Certificate students who are not enrolled in a degree program are not eligible for assistantships.) Applicants for graduate assistantships should submit to the department's graduate coordinator two letters of recommendation from professors or employers. Evidence of other significant professional experience that may contribute to the applicant's readiness for graduate work, such as publications or research reports, or evidence of professional leadership activities, may also be submitted.

Scholastic Requirements for Graduate Assistants

A student must be in academic good standing at the graduate level to retain a graduate assistantship.

Academic Advisement

Students seeking a master's degree in Technology should meet with the graduate coordinator of the department prior to enrollment in graduate courses. Deficiencies, if any, will be determined and a graduate advisor assigned. The student and advisor will plan the graduate program during first semester after admission to the degree program.

Curriculum Requirements

Students must select one of two options (30 semester hours including thesis or 33 semester hours with a comprehensive exam) in completing the M.S. degree. Included in these options is a 6 credit hour core of courses required of all degree students, TEC 445 and 497.

Students must also complete courses selected from the following: TEC 400- and/or 300-level technical courses (if approved for graduate credit) and/or approved courses from other departments and schools. No more than nine hours may be taken in a combination of TEC 400, and 498 general courses. Students may select courses in other departments and schools only by advisement.

30-Hour Thesis Option: Students selecting the thesis option will complete the 6 hours of core requirements and 6 hours of thesis. The remaining 18 hours of graduate coursework is selected through advisement including the use of sequences or concentrations. A minimum of 15 credit hours (in addition to thesis credit) must be at the 400 level for the 30-hour program.

33-Hour Comprehensive Exam Option: Students selecting the comprehensive exam option will complete the core requirement of 6 hours as well as successfully complete a comprehensive examination scheduled through the department. The remaining 27 hours of graduate coursework are selected through advisement and include the use of sequences and/or concentrations. In addition to the selected sequence or concentration, each student must also select an additional 9 credit hour area of concentration (consisting of preapproved conceptually connected coursework). A minimum of 18 credit hours must be at the 400 level for the 33-hour program.

Project Management Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Project Management Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen thesis or comprehensive examination option, and the following 9 hours of coursework: TEC 430, 431, and 432.

Quality Management and Analytics Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Quality Management and Analytics Sequence. Sequence requirements include the 6-hour degree core of courses and requirements necessary for the chosen thesis or comprehensive examination option, and the following 9 hours of coursework: TEC 437, 438, and 439.

STEM Education and Leadership Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the STEM Education and Leadership Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of coursework: TEC 423, 424, and 425.

Training and Development Sequence

As part of either the thesis (30 hours) or comprehensive exam (33 hours) option, students can elect to be admitted into the Training and Development Sequence. Sequence requirements include the 6-hour degree core, courses and requirements necessary for the chosen option, and the following 9 hours of coursework: TEC 406, 407, and 408.

Graduate Certificate Programs

Project Management Graduate Certificate

The department offers a graduate certificate in Project Management. This certificate requires successful completion with a grade of B or better in each of TEC 430, 431, and 432. Project Management is a rapidly growing field with numerous career opportunities in manufacturing, construction, printing and media development, industrial computer systems, and training industries. This certificate provides entry-level credentials appropriate for persons with technical expertise and substantial work experience. The content for these courses was identified through analysis of the Project Manager's Body of Knowledge developed by the Project Management Institute (PMI) organization and is consistent with those standards. This is not an advanced Project Management Professional (PMP) certification examination preparation program.

Quality Management and Analytics Certificate

The department offers a graduate certificate in Quality Management and Analytics. This certificate requires successful completion with a grade of B or better in each of the following three courses: TEC 437, 438, and 439. The Quality Management and Analytics certificate introduces quality management tools to enhance customer and supplier relations, strategic planning, and measurement systems to improve overall organizational performance. Quantitative analytical modeling techniques will be applied to solve decision problems and risk situations faced by project managers. In addition, an overview of six sigma data-driven decision making methodologies will be introduced to gain insights into advanced quality based industrial management techniques.

STEM Education and Leadership Certificate

The department offers a graduate certificate in STEM Education and Leadership. STEM is a widely used acronym for education and careers in science, technology, engineering and mathematics. This certificate requires successful completion with a grade of B or better in each of the following courses: TEC 423, 424, and 425. This certificate allows the Department of Technology to better serve classroom teachers seeking a STEM Education and Leadership credential, but who may not be seeking a graduate degree. This certificate is not tied to teacher licensure in the State of Illinois. Professionals completing this certificate would be better positioned within the school setting to be experts in STEM-based decision making.

Training and Development Certificate

The department offers a graduate certificate in Training and Development. This certificate requires successful completion with a grade of B or better in each of TEC 406, 407, and 408.

Training is a growing profession in industry but often does not require a graduate degree as credential for performing this important role. This certificate can allow the development of credentials and enhanced expertise for those attempting to become trainers in industry without the necessity of completing the degree. Course content was identified through analysis of American Society for Training and Development (ASTD) and International Board of Standards for Training, Performance and Instruction (IBSTPI) standards and recommendations and is consistent with those recommendations and standards.

Courses completed as a portion of the Department of Technology Graduate Certificate programs may also be counted toward the requirements of the Master of Science in Technology degree. No transfer credit may be counted toward completion of certificates. Students must petition for certificate eligibility.

Technology Courses

303 ENGINEERING DESIGN 3 sem. hrs.

Foundational concepts of engineering design including history, technology, tools, computer applications, pedagogical, and professional issues. Lecture and lab. Materials charge optional. Prerequisites: TEC 216; MAT 108 and PHY 105 or concurrent registration.

304 MEDICAL, AGRICULTURAL, AND BIO-RELATED TECHNOLOGIES 3 sem. hrs.

A study of technological systems related to medical, agricultural, and bio-related technologies. Lecture and lab. Prerequisite: TEC 101 or 301.

305 TEACHING TRANSPORTATION, ENERGY, AND POWER TECHNOLOGIES 3 sem. hrs.

Instruction and practice developing, teaching, and assessing transportation, energy, and power technologies curricula using a standards-based approach. Lecture and lab. Prerequisites: TEC 101 or 301 or demonstrated equivalent competencies; TEC 111 and 116 or concurrent registration.

306 COORDINATION TECHNIQUES OF CAREER AND TECHNICAL COOPERATIVE EDUCATION PROGRAMS 3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Includes Clinical Experience. Also offered as BE 382 and FCS 382.

307 COMPETENCIES FOR TEACHING 4 sem. hrs.

Curriculum planning, teaching, and evaluation strategies, and professionalism for Technology Education teachers. Includes Clinical Experience. Lecture. Prerequisites: TCH 216 and TEC 305 or concurrent registration. Concurrent registration in Student Teaching or within one semester.

310 STEM EDUCATION FOUNDATIONS 3 sem. hrs.

Foundations of pedagogical content knowledge for developing, implementing, and assessing integrated/interdisciplinary science, technology, engineering, and mathematics (STEM) education at the secondary level. Prerequisites: Education major, graduate standing, or practicing teacher.

313 QUALITY SYSTEMS FOR TECHNOLOGY
3 sem. hrs.

Use of statistical methods involving control charts, paretos, histograms, scattergrams, flow charts, and problem-solving techniques to manage and improve quality. Prerequisites: MQM 100; MAT 120; 8 hours in a Technology sequence completed. Major or minor only or consent of the department advisor.

317 COMPUTER-AIDED RENDERING AND ANIMATION
3 sem. hrs.

Using computer systems to create renderings and animated presentations of design ideas in an industrial or architectural setting. Lecture and lab. Prerequisites: TEC 116 or 217. Major or minor only or consent of the department advisor.

319 GRAPHIC SOFTWARE INTERFACES
3 sem. hrs.

Combination of graphic and programming techniques to interpret and solve of technological problems and enhance productivity. Lecture and lab. Formerly *COMPUTER GRAPHICS*. Prerequisites: Grade of C or better in TEC 283. Major or minor only or consent of the department advisor.

320 PROJECT MANAGEMENT
3 sem. hrs.

Fundamentals of project management emphasizing planning techniques to meet stakeholder expectations regarding project scope, time, cost, and quality. Lecture. Prerequisites: TEC 270 and a minimum of 60 hours completed. Major or minor only or consent of the department advisor. Not available for graduate credit if had TEC 431 or 432.

322 BUILDING CODES AND INSPECTIONS
2 sem. hrs.

Analysis of model building codes and their application and administration for minimum standards of public safety and welfare. Lecture. Prerequisites: TEC 120 and a minimum of 45 hours completed. Major or minor only or consent of the department advisor.

325 COMPUTERIZED ESTIMATING AND SCHEDULING
3 sem. hrs.

Integrated approach to computerized estimating and scheduling as methods of project control. Prerequisites: TEC 222, 224, and 229. Major or minor only or consent of the department advisor

326 CONSTRUCTION FINANCE AND ACCOUNTING
3 sem. hrs.

Practical application of financial and accounting fundamentals specific to the construction industry. Lecture and lab. Prerequisites: ACC 131; ECO 105; and MAT 120. Major or minor only or consent of the department advisor.

327 DESIGN OF BUILDING STRUCTURES
3 sem. hrs.

Analysis and design of permanent and temporary structural systems for wood, steel, and concrete construction. Prerequisites: TEC 292; MAT 120; and PHY 105. Major or minor only or consent of the department advisor

328 RESIDENTIAL DEVELOPMENT
3 sem. hrs.

Principles and practices of residential development including land acquisition and improvement, regulations, construction, and sales. Lecture. Prerequisites: ECO 105; TEC 229, and a minimum of 45 hours completed. Major or minor only or consent of the department advisor

329 SUSTAINABLE BUILDINGS AND URBAN DEVELOPMENT
3 sem. hrs.

Principles and practices of sustainable development in urban environments including building, transportation, and neighborhoods. Lecture. Prerequisites: TEC 120 and a minimum of 45 hours completed. Major or minor only or consent of the department advisor.

330 APPLIED ECONOMIC ANALYSIS FOR TECHNOLOGISTS
3 sem. hrs.

Applied economic techniques used to determine the relative worth of alternative systems, products, and services. Lecture and lab. Prerequisites: MAT 120; six credit hours of 200-level Technology coursework. Major or minor only or consent of the department advisor

333 GEOMETRIC DIMENSIONING AND TOLERANCING
3 sem. hrs.

Interpretation and application of geometric dimensioning and tolerancing. Includes inspection of parts using a coordinate measuring machine. Lecture and lab. Prerequisites: TEC 130 and 216 or demonstrated equivalent competencies. Major or minor only or consent of the department advisor.

345 PROCESS CONTROL NETWORKS
3 sem. hrs.

Programmable Logic Controller (PLC) programming within process control networks connecting machines, devices, sensors, and computers. Lecture and lab. Materials charge optional. Prerequisites: TEC 240 and 263 or demonstrated equivalent competencies. Major or minor only or consent of the department advisor.

348 SELECTED TOPICS IN COMPUTER SYSTEMS TECHNOLOGY
3 sem. hrs.

Study of advanced topics in computer technology, with laboratory experiences that apply current knowledge and skills. Lecture and lab. Materials charge optional. May be repeated if content is different; maximum of 6 hours (see topics below). Prerequisites: TEC 245 and completion of 75 hours or consent of instructor. Major or minor only or consent of the department advisor.

348A06 TOPICS IN COMPUTER SYSTEMS TECHNOLOGY: E-COMMERCE
3 sem. hrs.

This course enables students to examine, develop, and manage e-Commerce related projects. One focus is the development of secure e-Commerce sites on Windows (IIS Server) and UNIX (Apache) platforms. This course also enables students to understand and apply the concepts of entrepreneurship, e-Business, and examine business models and to further learn to understand and apply on-line database management systems and web security. Prerequisites: TEC 245 and completion of 75 hours or consent of the instructor. Major or minor only or consent of the department advisor.

349 TECHNICAL WRITING II**3 sem. hrs.**

Instruction and practice editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Lecture. Also offered as ENG 349. Materials charge optional. Prerequisite: ENG 249 or graduate standing.

350 PACKAGE DESIGN AND PRODUCTION**3 sem. hrs.**

Study of design, materials, and production processes used in the manufacture of packages and displays. Lecture, lab, and field trips. Materials charge optional. Formerly *FLEXOGRAPHY*. Prerequisites: TEC 116 and 257. Major or minor only or consent of the department advisor.

351 CROSS-MEDIA TECHNOLOGY**3 sem. hrs.**

Technology and processes used in cross-media production, with emphasis on interactive digital print products. Lecture and lab. Formerly *ADVANCED IMAGE TRANSFER SYSTEMS*. Prerequisites: TEC 250. Major or minor only or consent of the department advisor.

352 PREPRESS TECHNOLOGY**3 sem. hrs.**

Utilization of advanced pre-press methods and technologies in the creation and management of print media. Lecture, labs, and field trips. Materials charge optional. Formerly *ADVANCED PREPRESS TECHNOLOGY*. Prerequisites: TEC 250. Major or minor only or consent of the department advisor.

353 COLOR MANAGEMENT**3 sem. hrs.**

Study of color theory and measurement, device calibration and profiling, color reproduction variables, color proofing, and color management workflow. Lecture, labs, and field trips. Materials charge optional. Prerequisites: TEC 253. Major or minor only or consent of the department advisor.

354 PRINT PRODUCTION PLANNING AND PROFITABILITY**3 sem. hrs.**

Printing production workflow analysis, cost estimating, scheduling, job costing, and profitability. Use of computer-assisted management software. Lecture. Prerequisites: MAT 120; TEC 257. Major or minor only or consent of the department advisor.

356 GRAPHIC COMMUNICATIONS BUSINESS PRACTICES**3 sem. hrs.**

Current management trends in the profession, with specific emphasis on production management and legal issues for graphic communication businesses. Lecture. Prerequisites: TEC 257. Major or minor only or consent of the department advisor.

358 E-PUBLISHING MANAGEMENT**3 sem. hrs.**

Study of ePublishing technology, media production management, and digital asset management for graphic communications businesses. Lecture, labs, and field trips. Materials charge optional. Formerly *DIGITAL MEDIA MANAGEMENT*. Prerequisites: TEC 152 and 250. Major or minor only or consent of the department advisor.

370 SUPPLY CHAIN LOGISTICS**3 sem. hrs.**

Supply chain networks for technology-based companies. Activities associated with transforming goods from raw materials through delivery to end user. Prerequisites: TEC 270 or concurrent registration. A minimum of 60 hours completed or graduate standing. Major or minor only or consent of the department advisor.

378 E-COMMERCE**3 sem. hrs.**

A study of technological concepts, business models, entrepreneurship, and policy related to e-transactions in trade and commerce. Lecture and lab. Not for credit if had TEC 348A06. Prerequisites: TEC 283. Major or minor only or consent of the department advisor.

383 TELECOMMUNICATIONS TECHNOLOGY**3 sem. hrs.**

Interfacing computers locally and through telecommunications networks. Identification of existing standards and hardware and evaluation of specific interfacing needs. Lecture and lab. Materials charge optional. Prerequisites: IT 254 or TEC 243. Major or minor only or consent of the department advisor.

390 COMPUTER SYSTEMS APPLICATIONS**3 sem. hrs.**

Development of managers and supervisors with technical and professional background in communications, networking, and interfacing, related to computer systems. Lecture and lab. Materials charge optional. Formerly *INDUSTRIAL COMPUTER APPLICATIONS*. Prerequisites: PHY 105; TEC 270; 9 senior hours of technical courses in Computer Systems Technology. Major or minor only or consent of the department advisor.

392 MANUFACTURING ORGANIZATION AND MANAGEMENT**3 sem. hrs.**

The study of industrial production systems including product, manufacturing, and plant engineering through the managing of a production project. Lecture and lab. Materials charge optional. Prerequisites: TEC 398A02 or 400 hours of documented engineering technology related work experience, plus TEC 270 and 9 senior hours of technical coursework in the Engineering Technology and senior standing or consent of instructor. Major or minor only.

394 CONSTRUCTION MANAGEMENT AND ADMINISTRATION**3 sem. hrs.**

Principles, practices, and standard documentation utilized in construction project management and administration. Lecture and lab. Prerequisites: TEC 226; 325 or concurrent registration; TEC 398 or 800 hours documented construction experience. Major or minor only or consent of the department advisor.

400 INDEPENDENT STUDY**1-4 sem. hrs.; Department recommends 3 sem. hrs.**

A maximum of six hours may be applied toward a master's degree. Intensive research study in an area of student's interest under a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination. May be repeated for a maximum of six hours. Prerequisites: TEC 349 and 497. (Refer to Index for General Courses.)

404 SPECIAL PROJECTS IN INDUSTRIAL TECHNOLOGY**1-3 sem. hrs.**

Investigation of selected areas of industrial technology which may include laboratory work. Each individual investigation is to include a project and a comprehensive written report and/or examination. A written proposal approved by the faculty member, the student's advisor and the department chairperson is required prior to registration. May be repeated for a total of six hours. Prerequisites: TEC 349 and 497.

406 INSTRUCTIONAL PROGRAM DESIGN FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Study and applications of the theories and methods used in the development of contemporary industrial training and industrial education curricula.

407 INSTRUCTIONAL PROGRAM DEVELOPMENT FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Provides competencies required for identifying training objectives and implementing industrial training programs utilizing effective contemporary instructional and delivery methods. Prerequisite: TEC 406.

408 INSTRUCTIONAL PROGRAM IMPLEMENTATION AND EVALUATION FOR INDUSTRIAL TRAINING**3 sem. hrs.**

Provides competencies required for analyzing and evaluating industrial training workshops and programs by conducting process and product evaluations. Prerequisite: TEC 406.

423 STEM EDUCATION LEARNING THEORIES**3 sem. hrs.**

Learning theory as it pertains to the learning, design and implementation of instruction in integrated/interdisciplinary science, technology, engineering, and mathematics (STEM) education. Formerly TEC 489.14 *STEM LEARNING THEORIES*. Prerequisites: TEC 310 or concurrent registration or consent of the instructor.

424 STEM EDUCATION INTEGRATED CURRICULUM**3 sem. hrs.**

Unique aspects of identifying, researching, developing, and teaching an integrated science, technology, engineering, and mathematics (STEM) curriculum. Formerly TEC 489.15 *STEM INTERDISCIPLINARY CURRICULUM*. Prerequisite: TEC 310 or concurrent registration or consent of the instructor.

425 STEM EDUCATION LEADERSHIP**3 sem. hrs.**

Reflective practitioner and school-based leadership knowledge and skills within the context of science, technology, engineering, and mathematics (STEM) education. Formerly TEC 489.17 *STEM LEADERSHIP*. Prerequisites: TEC 423 and 424.

430 PROJECT LEADERSHIP**3 sem. hrs.**

Principles, practices, and methods for providing leadership to work groups and teams engaged in the completion of complex projects.

431 PROJECT INITIATION AND PLANNING**3 sem. hrs.**

Project management principles and methods applied in project initiation, scope definition, planning and scheduling, and cost control. Prerequisite: TEC 430 or equivalent.

432 PROJECT IMPLEMENTATION AND CONTROL**3 sem. hrs.**

Advanced concepts in project management including computerized scheduling and cost control, quality systems, risks management, procurement, and project termination. Prerequisite: TEC 431.

437 QUALITY AND ORGANIZATIONAL EXCELLENCE**3 sem. hrs.**

Application of quality management practices to customer/supplier relations, strategic planning and deployment, and measurement systems to improve organizational performance. Formerly TEC 489.40.

438 PROJECT RISK AND DECISION ANALYSIS**3 sem. hrs.**

Quantitative spreadsheet-based analytical modeling techniques applied to solve decision problems and risk situations faced by project managers. Formerly 489.01.

439 INTRODUCTION TO SIX SIGMA METHODOLOGIES**3 sem. hrs.**

Overview and application of Six Sigma data-driven decision making methodologies. Gain insight into advanced quality based industrial management techniques. Prerequisite: TEC 431.

445 STATISTICS IN APPLIED SCIENCE AND TECHNOLOGY**3 sem. hrs.**

Descriptive and inferential statistics in the applied sciences; statistical analysis using current technology. Also offered as AGR/FCS/KNR 445.

491 INTERNSHIP IN COLLEGE TEACHING IN INDUSTRIAL EDUCATION**3 sem. hrs.**

Credit for the course is given in the School of Teaching and Learning. (See TCH 491.)

497 INTRODUCTION TO RESEARCH METHODOLOGY**3 sem. hrs.**

Selection of a research problem, collection of data, types of research, the research report and use of the library in connection with the research problem. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Prerequisites or concurrent registration: Three semester hours of statistics at the undergraduate or graduate level and TEC 349.

498 PROFESSIONAL PRACTICE IN INDUSTRIAL TECHNOLOGY**1-8 sem. hrs.**

Refer to Index for General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS****1-5 sem. hrs.**

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM****1 sem. hr.**

Refer to Index for General Courses.

COLLEGE OF ARTS AND SCIENCES

Dean: Gregory Simpson.

Associate Deans: Joseph R. Blaney, Sally E. Parry, Marla Reese-Weber.

Assistant Dean: Deborah J. Fox.

141 Stevenson Hall
CAS.IllinoisState.edu

The primary purpose of the College of Arts and Sciences is to provide a broadly based educational program in the liberal arts and sciences. The College includes the Departments of Chemistry; Communication Sciences and Disorders; Economics; English; Geography-Geology; History; Languages, Literatures, and Cultures; Mathematics; Philosophy; Physics; Politics and Government; Psychology; Sociology and Anthropology; and the Schools of Biological Sciences, Communication, and Social Work, as well as the programs in Latin American and Latino/a Studies and Women's and Gender Studies. The College offers the core of the General Education program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines, and doctoral programs in Audiology, Biological Sciences, English Studies, Mathematics Education, and School Psychology. Course offerings span the humanities, social and behavioral sciences, mathematics, and natural sciences.

BIOLOGICAL SCIENCES (BSC)

210 Julian Hall, (309) 438-3669
BIO.IllinoisState.edu

Chairperson: Craig Gatto. Office: 210 Julian Hall.

Graduate Program Director: Steven Juliano, Office: Felmley Science Annex 335.

Graduate Faculty: Anderson, Armstrong, Borowicz, Bowden, Byers, Capparella, Casto, Cook, Edwards, Eggert, Garris, Gatto, Gougis, Hammond, Juliano, Kirik, Larson, Moore, A. Mortimer, N. Mortimer, N. Nichols, W. Nichols, Perry, Preston, Rubin, Sadd, Sakaluk, Stein, Vidal Gadea, Vogel, Whitman, Wilkinson.

Biology-Chemistry Joint Appointments: Friesen, Jones, Weldon.

Biology-Psychology Joint Appointments: Heidenreich.

Degrees Offered

The School offers work leading to the M.S. and Ph.D. degrees. University requirements for these degrees are listed elsewhere in this catalog. All applicants are required to take the General Test of the Graduate Record Examination (GRE). Other school requirements are available from the Graduate Program Director and from the School's website at Bio.IllinoisState.edu.

Master's in Biological Sciences

All master's degree students are required to complete a research thesis and 30 semester hours, which must include at least 2 semester hours of BSC 420 Seminar. The School will determine additional coursework specific to each individual's plan of study. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.** Students may design with advisors an individual plan of study or elect to pursue a sequence within the M.S. program in (1) Behavior, Ecology, Evolution, and Systematics (BEES), (2) Bioenergy Sciences, (3) Biomathematics, (4) Biotechnology, (5) Conservation Biology, or (6) Neuroscience and Physiology, each of which includes specific requirements (see below). Students will graduate with an M.S. in Biological Sciences. Sequence titles appear on the transcript but not on the diploma.

All master's degree students in Biological Sciences are required to maintain academic good standing as defined by the University. In addition, the School of Biological Sciences requires that M.S. students form a M.S. thesis committee that is chaired by a member of the Illinois State graduate faculty in the School of Biological Sciences, and complete and submit a M.S. thesis proposal by the specified deadlines (see Web page). Students who obtain course grades lower than a B in graduate courses, who perform inadequately as teaching assistants or research assistants, or who fail to meet other university or school requirements can be denied assistantship support or be dismissed from the program by the graduate studies committee.

Behavior, Ecology, Evolution, and Systematics (BEES) Sequence: Students may elect to pursue a sequence in Behavior, Ecology, Evolution, and Systematics, a course of study that provides students with a strong conceptual background in whole-organism biology. The sequence is designed to enhance students' understanding of the underlying concepts that unite research in the areas of behavior, ecology, evolution,

and systematics while providing the opportunity for training in specific taxa and in subjects ranging from molecular and cellular biology to neurobiology, physiology, and advanced research techniques. In addition to 2 hours of BSC 420 and 4 hours of thesis (BSC 499), students are required to take 7 hours of sequence core courses (BSC 420A27, 470, and 490) and 3 additional sequence courses (9-12 hours) chosen from BSC 325, 330, 335/336, 375/376, 404, 405, 406, 486, 488. Elective courses (2-7 hours) are selected through consultation among the major professor, the student's committee, and the student.

Bioenergy Sciences Sequence: Students may elect to pursue a sequence in Bioenergy Sciences, a course of study that provides students with a strong conceptual background in biological and environmental aspects of using and engineering plants and microbes for the production of bio-based fuels. Students successfully completing this sequence should be competitive for admission into Ph.D. programs and/or for acquiring bioenergy-related jobs in industry, non-profits, government agencies, or academia. Students can choose between a biotechnology-based track and an ecology/conservation biology-based track. In addition to 4 credit hours of thesis, students are required to take the following:

For the **Biotechnology-based track**, BSC 353, 354, 365, 415 or 466, 419 or 467, 420A38, 420Axx (student's choice), 450A45, and 7 hours of electives.

For the **Ecology/Conservation Biology-based track**, BSC 365, 404 or 405, 406, 420A27, 420A38, 470, 490, and 7 or 8 hours of electives.

Biomathematics Sequence: Students in the School of Biological Sciences may elect to pursue a sequence in Biomathematics, a course of study that provides students with a unique and strong cross-disciplinary training in biology and mathematics. The sequence is designed first to give students a solid foundation in mathematics (core courses), then training in one of two biological areas that use specific types of mathematical applications to address biological questions (emphases). Before entering the sequence, students should have two semesters of calculus and one semester of linear algebra. This is a 30-hour program including 2 hours of BSC 420 and 4 hours of thesis BSC 499. All students are required to take the sequence core courses of 20 hours (BSC 420, 499; MAT 340, 341, 350, and 351). Transfer credit can be offered for the core math classes provided that students take at least two courses from the Mathematics Department while at Illinois State University. In addition, students will choose 14 hours of electives from two areas of emphasis, with a minimum of 12 hours from the School of Biological Sciences. A minimum of 13 hours outside of the core courses must be at the 400 level. The areas of emphasis and their courses are as follows: (1) Biological Statistics and Modeling, with a choice of courses from BSC 343, 404, 405, 406, 450A37, 486; MAT 353, 356, 362, 378, 450, 453, 455, 456, 458; or (2) Computation and Bioinformatics, with a choice of courses from BSC 350, 353, 355, 415, 419, 467, 470; MAT 356, 361, 363, 461.

Biotechnology Sequence: Students may elect to pursue a sequence in Biotechnology, a discipline linking cell biology, molecular biology, biochemistry, neurobiology, genetics, micro-

biology, developmental biology, and immunology. The sequence is designed to enhance students' competency in the theoretical and applied aspects of biotechnology principles, techniques, and their application. In addition to the 2 hours of BSC 420, 4 hours of thesis, and 9 hours of electives, students are required to take 15 hours of sequence courses, to include: BSC 353, 354, 415 or 466, 419 or 467, and 450A45.

Conservation Biology Sequence: Students may elect to pursue a sequence in Conservation Biology, a discipline linking ecology, genetics, evolution, and systematics to applied problems in biodiversity preservation and ecosystem function and maintenance. Students are required to take 12 hours of sequence core courses (BSC 406, 420A29, 490/420A27) plus 1 hour of another BSC 420. Students are also required to take 17 hours of elective courses distributed across four groups (I-IV) of electives. Group I (Ecology): BSC 375/376, 404, 405. Group II (Genetics and Evolution): BSC 470, 488. Group III (Taxon Focus): BSC 301, 330, 333, 335/336, 396. Group IV (Other Electives): BSC 311, 325, 353, 486; GEO 303, 304, 305.

Neuroscience and Physiology Sequence: Students pursuing the M.S. may elect to pursue a Sequence in Neuroscience and Physiology, a course of study that provides students with a strong conceptual background in these two fields of biological sciences. The sequence is designed to enhance students' understanding of the canonical concepts that underlie neuroscience and physiology, including biostatistics, while providing the opportunity for training in related fields such as cell and molecular biology, chemistry, behavior and psychology. In addition to 2 hours of Graduate Seminar in Biology (BSC 420) and 4 to 6 hours of Master's Research (BSC 499), students are required to take 10 hours of sequence core courses (BSC 430, 435, 490, and 420A27) and 12 hours of sequence elective courses chosen from BSC 411, 415, 418, 419, 425, 450A37, 450A40, 450A47, 486, and 470. To complete these 12 hours of sequence elective courses, no more than two of the following may also be taken: BSC 301, 325, 327, 345, 346, 353, 354, 355, 367, and 396; CHE 442, 444, and 464; PSY 418, 421, and 468. Additional elective courses are selected through consultation among the major professor, the student's committee, and the student. For further information, see the Department's website at BIO.IllinoisState.edu.

Ph.D. in Biological Sciences

Students working toward the Ph.D. degree in Biological Sciences may pursue research in most of the major subdisciplines. The scholar-educator option in the Ph.D. program combines traditional training in research with formal training in university- and college-level teaching for those students planning a career in teaching and research at liberal arts colleges and comprehensive universities. Coursework will include BSC 420 Seminar (4 semester hours). Doctoral students may design an individual plan of study in consultation with advisors, or they may elect to pursue a sequence within the Ph.D. program in (1) Behavior, Ecology, Evolution, and Systematics (BEES), (2) Molecular and Cellular Biology, or (3) Neuroscience and Physiology, each of which includes specific requirements (see below). Students receive a Ph.D. in Biological Sciences. The sequence title appears on the transcript but not on the diploma.

Most Ph.D. students take 30-40 semester hours (60-80 including research) while completing the degree.

All Ph.D. students in Biological Sciences are required to maintain academic good standing as defined by the University. In addition, the School of Biological Sciences requires that Ph.D. students have a Ph.D. dissertation advisor who is a member of the Illinois State graduate faculty in the School of Biological Sciences, form a Ph.D. dissertation committee, take and pass the Ph.D. qualifying exam, and complete, defend successfully, and submit a Ph.D. dissertation proposal by the specified deadlines (see website). Students who obtain course grades lower than a B in graduate courses, perform inadequately as teaching assistants or research assistants, or who fail to meet other university or school requirements can be denied assistantship support or be dismissed from the program by the graduate studies committee.

Behavior, Ecology, Evolution, and Systematics (BEES)

Sequence: Students pursuing the Ph.D. may elect to pursue a sequence in Behavior, Ecology, Evolution, and Systematics, a course of study that provides students with a strong conceptual background in whole-organism biology. The sequence is designed to enhance students' understanding of the underlying concepts that unite research in the areas of behavior, ecology, evolution, and systematics while providing the opportunity for training in specific taxa and in subjects ranging from molecular and cellular biology to neurobiology, physiology, and advanced research techniques. In addition to 4 hours of BSC 420 and 15 hours of dissertation (BSC 599 Doctoral Research), students are required to take 7 hours of sequence core courses (BSC 420A27, 470, and 490) and 3 additional sequence courses (9-12 hours) chosen from BSC 325, 330, 335/336, 375/376, 404, 405, 406, 486, 488. Elective courses (unspecified hours) are selected through consultation among the major professor, the student's committee, and the student.

Molecular and Cellular Biology Sequence:

Students pursuing the Ph.D. may elect to pursue a sequence in Molecular and Cellular Biology. The sequence is designed to enhance the student's competency in molecular and cellular biology principles, techniques, and their application for becoming leaders in solving tomorrow's problems in molecular cell biology. In addition to 4 hours of BSC 420 and 15 hours of dissertation (BSC 599 Doctoral Research), students are required to take 8 hours of core courses (BSC 415, 419, 420A37) and at least three graduate elective courses (9-12 hours). Elective courses will be selected from the area of the student's specialization and will be decided by the student in consultation with his/her advisor and/or student dissertation committee. Elective courses may be selected from among, but not limited to, the following representative courses: BSC 325, 329, 330, 343, 345, 350, 353, 354, 355, 361, 367, 411, 418, 466, 467, 470; CHE 342, 343, 344, 440, 442, 444.

Neuroscience and Physiology Sequence:

Students pursuing the Ph.D. may elect to pursue a Sequence in Neuroscience and Physiology, a course of study that provides students with a strong conceptual background in these two fields of biological sciences. The sequence is designed to enhance students' understanding of the canonical concepts

that underlie neuroscience and physiology, including biostatistics, while providing the opportunity for training in related fields such as cell and molecular biology, chemistry, behavior and psychology. In addition to 4 hours of Graduate Seminar in Biology (BSC 420) and 15 hours of Dissertation Research (BSC 599), students are required to take 10 hours of sequence core courses (BSC 430, 435, 490, and 420A27) and 12 hours of sequence elective courses chosen from BSC 411, 415, 418, 419, 425, 450A37, 450A40, 450A47, 486, and 470. To complete these 12 hours of sequence elective courses, no more than two of the following may also be taken: BSC 301, 325, 327, 345, 346, 353, 354, 355, 367, and 396; CHE 442, 444, and 464; PSY 418, 421, and 468. Additional elective courses are selected through consultation among the major professor, the student's committee, and the student. For further information, see the Department's website at BIO.IllinoisState.edu.

Biology Geographic Information Systems (GIS) Graduate Certificate

Graduate students in the School of Biological Sciences may elect to pursue a Biology Geographic Information Systems (GIS) Graduate Certificate. To earn the certificate, students must take GEO 303, 304, and 305.

Biological Sciences Courses

301 ENTOMOLOGY 4 sem. hrs.

Biology and taxonomy of insects. Lecture, lab, and field trips. Materials charge optional. Prerequisites: BSC 196, 197, and 201.

306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.

Intensive on-site studies of organisms and their environments. Field work. Prerequisite: Consent of the instructor.

311 RAIN FOREST ECOLOGY 3 sem. hrs.

Introduction to the natural history and ecology of rain forests; intensive tropical field work and investigative learning. Foreign travel and field work required. Formerly BSC 306A08 *REGIONAL AND AREA STUDIES: COSTA RICAN RAIN FOREST*. Prerequisites: BSC 201 and consent of the instructor.

325 ECOLOGICAL PHYSIOLOGY OF ANIMALS 3 sem. hrs.

Exploration of the physiological adaptations animals have evolved in response to habitat variation. Prerequisites: BSC 196 and 197; a minimum of 45 hours completed.

327 HORMONES, BRAIN AND BEHAVIOR 3 sem. hrs.

Exploration of relationships among hormones, brain, and behaviors associated with reproduction, aggression, stress, parenting, affiliation, homeostasis and development in animals. Prerequisite: BSC 283 or 286 or consent of the instructor.

329 HUMAN GENETICS 3 sem. hrs.

Detection, expression, transmission, and molecular manipulation of human traits; emphasis on medical genetics. Lecture. Prerequisites: BSC 203 and 219.

330 BIOLOGY OF ALGAE 4 sem. hrs.

Origin, evolution, diversity, systematics, cell biology, biochemistry, physiology, and ecology of terrestrial, freshwater, and marine algae. Lecture and lab. Formerly *PHYCOLOGY*. Prerequisite: One of the following: BSC 201, 203, 212, 219, 260 or consent of the instructor.

333 PLANT DIVERSITY 4 sem. hrs.

History and diversity of plants and other green organisms covering major events, groups of organisms, and their phylogenetic relationships. Lecture and lab. Formerly BSC 222. Prerequisite: One of the following: BSC 211, 212, 223, or graduate standing.

335 PLANT TAXONOMY 3 sem. hrs.

Classification taxonomy, and phylogeny of seed plants; distinguishing characteristics of major groups; use of botanical nomenclature and reference materials. Prerequisites: One of the following: BSC 211, 212, 223; concurrent registration in BSC 336.

336 LABORATORY IN PLANT IDENTIFICATION 1 sem. hr.

Plant identification; identification tools and methods; descriptive morphology and terminology; field identification of flowering plants and major plant families; specimen collection, documentation and curation. Prerequisite: Concurrent registration in BSC 335.

343 INTRODUCTION TO NEUROBIOLOGY 3 sem. hrs.

Cellular and molecular aspects of neuronal function; neurotransmitter families; central nervous system development, anatomy and function; and neuropathology. Prerequisites: BSC 196 and 197 or consent of the instructor.

345 INTRODUCTION TO ENDOCRINOLOGY 3 sem. hrs.

Cellular and molecular coordination of tissues which secrete chemical compounds to regulate growth, reproduction, metabolism, and ion homeostasis. Prerequisite: BSC 203 or consent of the instructor.

346 DEVELOPMENTAL BIOLOGY 3 sem. hrs.

Molecular mechanisms of cell differentiation and tissue patterning during embryonic and post-embryonic development in different organisms. Prerequisites: BSC 203 or consent of the instructor. BSC 219 is recommended.

350 MOLECULAR BIOLOGY 3 sem. hrs.

DNA structure and replication, the Genetic Code, transcription, translation, genetic regulation, RNA splicing, and transposons. Lecture. Prerequisites: BSC 203 and 219; CHE 220, or 230 and 231. CHE 242 or 342 is recommended.

351 CELL SIGNALING AND REGULATION 3 sem. hrs.

Molecular mechanisms by which cells communicate and make decisions. Includes signal transduction pathways; regulation of cell form, growth, division, differentiation. Prerequisites: BSC 197 and 203.

**353 BIOTECHNOLOGY LABORATORY I:
DNA TECHNIQUES**
3 sem. hrs.

Application and theory of molecular techniques using prokaryotic systems, including DNA and protein analysis, DNA cloning and bacterial genetics. Lecture and lab. Material charge optional. Prerequisites: BSC 219; CHE 220 or CHE 230-232.

**354 BIOTECHNOLOGY LABORATORY II:
CELL BIOLOGY TECHNIQUES**
3 sem. hrs.

Application and theory of cell biology to study eukaryotic systems using biochemistry, cell culture, and immunology techniques. Lecture and lab. Material charge optional. Prerequisites: BSC 203 required. CHE 220 or 230-232 recommended.

355 GENOMICS AND BIOINFORMATICS
3 sem. hrs.

Concepts and practice of genome sequencing and analysis, postgenomic applications and bioinformatics. Prerequisites: BSC 203 and 219.

361 MICROBIAL PATHOGENS
4 sem. hrs.

Pathogenesis, identification, cultivation and classification of bacteria, viruses, fungi and animal parasites associated with diseases of man. Lecture and laboratory. Materials charge optional. Prerequisites: BSC 203 and 260.

**365 BIOENERGY PLANT/MICROBE
BIOLOGY AND THE ENVIRONMENT**
3 sem. hrs.

The molecular, cellular, and organismal biology of microbes and plants as a source of alternate energy and associated global change. Prerequisite: One of the following: BSC 201, 203, 212, 219, 260, or consent of the instructor.

367 IMMUNOLOGY
4 sem. hrs.

Molecular, cellular, transplantation, and tumor immunology; antimicrobial immunity; immunochemistry. Lecture and laboratory. Materials charge optional. Prerequisite: BSC 203.

**370 TOPICS IN MOLECULAR AND
CELLULAR BIOLOGY**
3 sem. hrs.

In-depth investigation of a current area of research within molecular and cellular biology. May be repeated for credit if content is different. Prerequisites: BSC 197, 203, 219.

370A01 GENETICS OF BEHAVIOR
3 sem. hrs.

The course examines the primary scientific literature to understand how different genes and environmental factors influence the behaviors of a variety of organisms. Prerequisites: BSC 197, 203, 219.

**370A02 MOLECULAR AND CELLULAR BASIS
OF HUMAN PATHOPHYSIOLOGY**
3 sem. hrs.

This course provides the student with knowledge of the basic molecular and cellular mechanisms underlying human pathophysiological processes. Prerequisites: BSC 196 and 197. BSC 203, 219, or 283 are recommended.

375 STREAM ECOLOGY LECTURE
3 sem. hrs.

Introduction to the structure and function of stream ecosystems examining hydrology, geomorphology, chemistry, and ecology of stream ecosystems. Prerequisites: BSC 196, 197; a minimum of 45 hours completed, or consent of the instructor.

376 STREAM ECOLOGY LABORATORY
1 sem. hr.

The integration of the geology, chemistry, zoology, and ecology of flowing waters and their conservation and restoration. Materials charge optional. Prerequisite: Concurrent registration in BSC 375.

396 AVIAN BIOLOGY
4 sem. hrs.

Origin, evolution, diversity, systematics, biogeography, morphology, physiology, ecology, behavior, and conservation biology of birds. Lecture, lab and field trips. Materials charge optional. Prerequisites: BSC 196 and 197.

400 INDEPENDENT STUDY
1-4 sem. hrs.

See General Course Offerings. May be repeated.

404 POPULATION ECOLOGY
4 sem. hrs.

Demography, population regulation, metapopulation dynamics, competition, and implications of theory for conservation and management. Lecture and laboratory. Prerequisite: BSC 201.

405 COMMUNITY ECOLOGY
4 sem. hrs.

Diversity and stability of natural communities, niche theory, resource partitioning and species packing, coevolution of plants and animals. Lecture and laboratory. Prerequisite: BSC 201.

406 CONSERVATION BIOLOGY
3 sem. hrs.

Principles of conservation ecology, conservation genetics, and conservation systematics, with applications to biodiversity preservation and ecosystem function maintenance. Lecture. Prerequisites: BSC 201 and 219, or equivalent.

411 CONFOCAL MICROSCOPY IN BIOLOGY
2 sem. hrs.

Theory and practice of confocal microscopic analysis of biological samples, including time-lapse and 3-D acquisition. Prerequisite: Consent of the instructor.

415 ADVANCED CELL BIOLOGY I
3 sem. hrs.

Analysis of structure and function of eukaryotic cells, including nuclear organization, membrane dynamics, protein trafficking, and signal transduction mechanisms. Lecture. Prerequisites: BSC 203 and 219 or equivalents; CHE 242 or 342 recommended.

418 BIOLOGICAL MICROSCOPY
4 sem. hrs.

Theory and practice of scanning and transmission electron microscopy and advanced light microscopy, including specimen preparation and presentation of images. Lecture and lab. Prerequisite: Consent of the instructor.

419 ADVANCED MOLECULAR BIOLOGY**4 sem. hrs.**

Major RNA/DNA transactions in the cell, replication, recombination, mutation, genomics, processing, and regulation. Lecture. Formerly *MOLECULAR BIOLOGY OF THE GENE*. Prerequisite: Consent of the instructor.

420 GRADUATE SEMINAR IN BIOLOGY**1 sem. hr.**

Topics in various fields of biology (See topics below). May be repeated for credit.

420A02 GRADUATE SEMINAR IN GENETICS**1 sem. hr.**

Current topics in genetics research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A03 GRADUATE SEMINAR IN ECOLOGY**1 sem. hr.**

Current topics in ecological research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A04 GRADUATE SEMINAR IN ANIMAL BEHAVIOR**1 sem. hr.**

Current topics in animal behavior research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A09 GRADUATE SEMINAR IN MICROBIOLOGY**1 sem. hr.**

Current topics in microbiology research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A27 BIostatistics LABORATORY**1 sem. hr.**

Practical laboratory experience in analysis of biological data. Prerequisites: Bachelor's degree in a biology-related field and concurrent registration in BSC 490 or consent of the instructor.

420A28 GRADUATE SEMINAR IN EVOLUTION AND SYSTEMATICS**1 sem. hr.**

Current topics in evolution and systematics research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A29 GRADUATE SEMINAR IN CONSERVATION BIOLOGY**1 sem. hr.**

Current topics in conservation biology research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A31 GRADUATE SEMINAR IN IMMUNOLOGY**1 sem. hr.**

Current topics in immunology research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A33 GRADUATE SEMINAR IN CELL BIOLOGY**1 sem. hr.**

Current topics in cell biology research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A34 GRADUATE SEMINAR IN NEUROBIOLOGY**1 sem. hr.**

Current topics in neurobiology, such as neurobiology of drugs of abuse, compensatory adaptation in neurodegenerative diseases, and the etiology and treatment of Parkinson's Disease.

420A35 GRADUATE SEMINAR IN ENDOCRINOLOGY**1 sem. hr.**

Current topics in endocrinology research are explored through primary literature. May include, but not limited to, molecular endocrinology, developmental endocrinology, endocrine disruptors, therapeutic treatment of chronic endocrine disorders and other cutting edge research. No prior coursework in endocrinology is required. May be repeated for credit.

420A36 GRADUATE SEMINAR IN BIOMATHEMATICS**1 sem. hr.**

Current topics in biomathematics research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A37 GRADUATE SEMINAR IN CELLULAR AND MOLECULAR BIOLOGY**1 sem. hr.**

Current topics in cellular and molecular biology research are explored through primary literature. Prerequisite: Bachelor's degree in a biology-related field or consent of the instructor.

420A38 SEMINAR IN BIOENERGY SCIENCES**1 sem. hr.**

Current topics in bioenergy research are explored through primary literature (e.g. engineering plant / algae production, microbial conversion, environmental sustainability). Prerequisites: Bachelor's degree in a biology-related field or consent of instructor.

420A39 POST-SECONDARY BIOLOGY EDUCATION**1 sem. hr.**

This course explores topics relevant to undergraduate-level biology instruction, including learning theory, well-documented misconceptions, evidence-based instruction, and underrepresentation. Prerequisite: Graduate or senior standing in a teacher education track in a science department (BSC, GEO, CHE, PHY).

430 NEUROSCIENCE**3 sem. hrs.**

Study of neurons and their organization into nervous systems to mediate behavior. Lecture. Prerequisite: BSC 343 or the equivalent.

435 MAMMALIAN PHYSIOLOGY**3 sem. hrs.**

Study of the organ systems of mammals and their functional integration. Lecture. Prerequisite: BSC 283 or the equivalent.

450 ADVANCED STUDIES IN SPECIALIZED FIELDS

1-4 sem. hrs.

Current advances in specialized fields of the biological sciences. May be repeated for credit in different fields; see the topics below. Prerequisite: Consent of the instructor.

450A37 ADVANCED STUDIES IN BIOSTATISTICS

2-3 sem. hrs.

Practical experience with advanced statistical techniques used by biologists, primarily in ecology, behavior, physiology, evolutionary biology, and neurobiology. Prerequisites: BSC 490 and 420A27, or equivalent graduate level course in applied statistics, or consent of the instructor.

450A45 ISSUES IN BIOTECHNOLOGY

2 sem. hrs.

The goal of this course is to familiarize students with various aspects of biotechnology such as applied genetic engineering, impacts of biotechnology on society, social and ethical issues, intellectual properties, patenting and commercialization of biotechnology products and careers in biotechnology industries. Prerequisite: Consent of the instructor.

450A47 PRINCIPLES OF NEUROPHYSIOLOGY

3 sem. hrs.

This course covers the principles of how neurons function, interact and build circuits. It addresses cellular and synaptic physiology, explains methods for neural activity measurement, and demonstrates computational approaches as well as data recording and analysis. Prerequisite: Consent of the instructor.

450A48 EVOLUTION AND ECOLOGY OF INFECTIOUS DISEASE

3 sem. hrs.

This course delves into the realm of the evolution and ecology of infectious diseases and the host organisms that are bombarded by them. The course will also foster presentation skills, discussion, and critical thinking.

450A49 NEUROETHOLOGY-NEURAL BASIS AND BEHAVIOR

3 sem. hrs.

The study of neuroethology integrates concepts from a wide range of disciplines, including neuroscience, animal behavior, and genetics. In this course focus will be on selected model systems to introduce general neuroethological principles and gain an appreciation for the current primary literature and methods used in neuroethology. Prerequisite: Consent of the instructor.

450A50 NEUROSCIENCE OF DOPAMINE

3 sem. hrs.

Study of dopamine neurons and their relationship to behavior. Lecture. Prerequisite: BSC 343 or equivalent.

450A51 NEURONS, SYNAPSES AND CIRCUITS

3 sem. hrs.

This course covers the operational principles of neuronal "lifecycle" (synapses, neurons and the networks that they form) and how networks of neurons create functional output. Prerequisites: Consent of the instructor.

450A52 COGNITIVE NEUROSCIENCE

3 sem. hrs.

This course will serve as a graduate level introduction to the neuroscientific foundations of cognition: cognitive and neural mechanisms underlying typical and disordered processing related to perception, attention, memory, language, emotion, and executive functions. Prerequisite: Consent of the instructor.

466 MICROBIAL PHYSIOLOGY

3 sem. hrs.

Molecular and cellular aspects of microorganisms: growth, metabolism and its control, membrane and cell envelope structure and function, transport, chemotaxis, antibiotic action, adaptations to extreme environments. Lecture. Prerequisites: BSC 260 and CHE 242 or 342.

467 MICROBIAL GENETICS

4 sem. hrs.

Inheritance and variation in bacteria and their viruses; recombination, regulation, gene transfer, and other genetic phenomena. Emphasis on molecular basis of microbial genetics. Lecture. Prerequisites: BSC 260 and 219.

470 EVOLUTION

3 sem. hrs.

Origin of life, sources of genetic variation, molecular evolution, phylogenetic reconstruction, micro- and macroevolutionary processes. Lecture. Prerequisites: BSC 201, 219, and 297 or equivalent recommended.

486 ETHOLOGY

4 sem. hrs.

Behavior of animals under natural conditions. Lecture and laboratory. Prerequisite: Consent of the instructor.

488 SYSTEMATIC BIOLOGY

3 sem. hrs.

Species concepts; infra- and supraspecific categories; geographic variation; phylogenetic reconstruction; molecular and morphological characters; evolutionary, phenetic, and cladistic classification; nomenclature. Lecture. Prerequisite: BSC 219 or equivalent.

490 BIOSTATISTICS

3 sem. hrs.

Statistical techniques encountered in biological research with emphasis on proper use and interpretation of analyses. Lecture.

491 INTERNSHIP IN COLLEGE TEACHING IN BIOLOGICAL SCIENCES

3 sem. hrs.

Credit for the course is given in the School of Teaching and Learning (see TCH 491). Prerequisite: Consent of School Director.

495 GRADUATE RESEARCH IN BIOLOGICAL SCIENCES

1-3 sem. hrs.

Field and/or laboratory research in one of the biological sciences involving a participation in the scientific process with faculty and other graduate students with the purpose of conducting independent research and/or developing additional research skills and technical expertise. May be repeated; maximum of 4 hours may be counted toward degree requirements. Prerequisite: Project proposals must be approved by a supervising faculty member, the student's graduate advisor (if in the thesis program), and chair of the graduate studies prior to registration. Students are expected to work on average a minimum of 3 hours per week for each hour of credit.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to Index for General Courses.

499A01 MASTER'S THESIS

1-5 sem. hrs.

Refer to Index for General Courses.

499A90 MASTER'S THESIS: LAST TERM

1 sem. hr.

Refer to Index for General Courses.

599 DOCTORAL RESEARCH: BIOLOGICAL SCIENCES (Ph.D)

1-15 sem. hrs.

Refer to Index for General Courses.

599A01 RESEARCH IN BIOLOGICAL SCIENCES

1-5 sem. hrs.

Refer to Index for General Courses.

599A90 RESEARCH IN BIOLOGICAL SCIENCES: FINAL TERM

1 sem. hr.

Refer to Index for General Courses.

CHEMISTRY (CHE)

214 Julian Hall, (309) 438-7661
Chemistry.IllinoisState.edu

Chairperson: Craig McLauchlan. Office: Julian Hall 214.

Graduate Program Director: Lisa Szczepura.

Graduate Faculty: Baur, Boesdorfer, Driskell, Ferrence, Friesen, Hamaker, Hitchcock, Hunter, Jones, Kim, Lash, McLauchlan, Mitchell, Mulligan, Nagorski, Peters, Quandt, Standard, E. Sullivan, Szczepura, Zona.

Master's Degree Programs in Chemistry

The department offers three master's degrees: Master of Science in Chemistry (M.S.), Master of Science in Chemistry Education (M.S.C.E.), and Master of Chemistry Education (M.C.E.).

Master of Science in Chemistry

The Master of Science in Chemistry (M.S.) is a thesis-based M.S. degree requiring 31 credit hours. Four hours each in Chemistry 490 (Research) and Chemistry 499 (Master's Thesis) are required as part of the 31-hour program, although most students will register for more than the total of eight required hours while pursuing the degree. Students select a research advisor and work closely with that faculty member to complete a thesis based upon original research. Upon completion of a written thesis, a final oral examination/thesis defense is required.

The program is broad-based. It allows students to specialize in any of the subdisciplines (physical, organic, inorganic, analytical, biochemistry, or chemical education), although coursework is required in at least four subdisciplines. The requirements to complete the M.S. degree include 21 hours of 400- and/or 300-level courses including a minimum of 12 credit hours of courses at the 400 level; students must take 400-level courses in at least three subdisciplines. One hour of credit in Literature Seminar (Chemistry 492) and one hour of credit in Research Seminar (Chemistry 494) are also required.

Summary of Requirements for the Master of Science in Chemistry:

- 31 total hours required.
- 21 hours of coursework in Chemistry at the 400 and/or 300 levels (only those courses listed in the Graduate Catalog may be counted for graduate credit). Graduate coursework in related disciplines may be substituted with consent of the Chemistry Department. Courses must be taken in at least four of the subdisciplines of chemistry (analytical, inorganic, organic, physical, biochemistry, and chemical education). A minimum of 12 hours of coursework must be at the 400 level and 400-level courses must be taken in at least three of the subdisciplines of chemistry.
- 2 hours of seminar (1 hour of CHE 492 and 1 hour of CHE 494).
- 4 hours of CHE 490 Research in Chemistry and 4 hours of CHE 499 Master's Thesis.
- Successful completion of a thesis based upon original research and oral examination/thesis defense.

Admission Requirements

To be admitted to the M.S. in Chemistry program, a student must have at least a 2.8 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work.

In general, students admitted to the Master of Science in Chemistry program should have completed coursework in science and math equivalent to that required for a B.S. degree in Chemistry at Illinois State University or have received an American Chemical Society-certified B.S. degree from another school. Otherwise, a student will be admitted to the Master's degree program with deficiencies, though no student will be admitted with 12 or more credit hours of deficiencies in Chemistry coursework. The deficiencies will be identified as specific courses and students will have to complete those courses as early as possible in order to bring their background coursework to the required level. All deficiencies should be completed by the end of the third semester in the program. In general, credit earned for completion of deficiencies does not apply toward M.S. degree requirements unless the student petitions the Department and receives approval to count specific courses (up to a maximum of six credit hours) for graduate credit in the student's plan of study, and only those courses listed in the Graduate Catalog may be counted for graduate credit. Students enrolled in the M.S. in Chemistry program must earn a grade of C or better in all undergraduate-level deficiency courses.

The Department considers GRE scores for granting assistantships. Scores on the general section of the GRE will be considered in evaluating applications for admission and financial support; the GRE requirement may be waived at the discretion of the Department of Chemistry. Submission of TOEFL (or IELTS) scores is required for applicants whose first language is not English.

Master of Science in Chemistry Education

The Master of Science in Chemistry Education (M.S.C.E.) is a professional degree designed to improve the content and pedagogical knowledge of teachers of chemistry who already possess a bachelor's degree in Chemistry. The degree requires 33 credit hours of coursework in three areas: Chemistry Content, Chemistry Education and Foundational Science Education. It also requires a continuing and capstone classroom project. By the time of final degree awarding, a candidate must have completed three years of full-time teaching.

Chemistry Content: 12 credit hours from the following: CHE 315, 344, 350, 380A11, 380A41, 380A52, 380A53, 380A54, or any 380 or 400-level course in Inorganic, Organic, Analytical, Physical, or Biochemistry for which the student has appropriate prerequisites. No credit will be granted for an Illinois State University course if a student has already taken an equivalent course elsewhere.

Chemistry Education and Science Education: 15 credit hours from the following: CHE 380A48, 401, 402, 403, 432, 433; TCH 401, 450, 451, 453.

Capstone Project: 6 credit hour sequence: TCH 481 and 482 or TCH 402 and 493, or SED 406 and 407; or CHE 490 and/or 498.

Admission Requirements:

To be admitted to the M.S.C.E. program a student must have at least a 2.8 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work. The candidate must hold (or be eligible for) a valid certificate to teach science and/or math. A minimum TOEFL score of 100 (internet-based test) is recommended for international students to be considered for admission to the program.

Master of Chemistry Education

The Master of Chemistry Education (M.C.E.) is a professional degree designed to improve the content and pedagogical knowledge of teachers of chemistry who do not possess a bachelor's degree in Chemistry. The degree requires 33 credit hours of coursework in three areas: Chemistry Content, Chemistry Education and Foundational Science Education. It also requires a continuing and capstone project. By the time of final degree awarding, a candidate must have completed three years of full-time teaching.

Chemistry Content: 9 credit hours from the following: CHE 315, 344, 350, 380A11, 380A41, 380A52, 380A53, 380A54, or any 380 or 400 level course in Inorganic, Organic, Analytical, Physical, or Biochemistry for which the student has appropriate prerequisites. No credit will be granted for an Illinois State University course if a student has already taken an equivalent course elsewhere.

Chemistry Education and Science Education: 18 credit hours from the following: CHE 380A48, 401, 402, 403, 432, 433; TCH 401, 450, 451, 453.

Capstone Project: 6 credit hour sequence: CHE 490 and/or 498; or SED 406 and 407; or TCH 481 and 482, or TCH 402 and 493.

Admission Requirements

To be admitted to the M.C.E. program a student must have at least a 2.8 GPA (on a scale in which A equals 4) for the last 60 hours of undergraduate work. The candidate must hold (or be eligible for) a valid certificate to teach science and/or math. A minimum TOEFL score of 100 (internet-based test) is recommended for international students to be considered for admission to the program.

Chemistry Courses

The only 300-level chemistry courses available for graduate credit are those listed in the graduate catalog. Other 300-level chemistry courses are available for undergraduate credit only and may not be used in the degree audit for the graduate degrees in chemistry.

315 INSTRUMENTAL ANALYSIS**3 sem. hrs.**

Modern instrumental methods of chemical analysis including electroanalytical, spectroscopic, chromatographic, mass spectrometric, surface analytical, and bioanalytical methods. Prerequisites: CHE 215 and 360. Grade of C or better in CHE 215 and 360 for Chemistry and Biochemistry majors.

316 INSTRUMENTAL ANALYSIS LABORATORY**1 sem. hr.**

Laboratory practice of the principles treated in Instrumental Analysis. Materials charge optional. Prerequisites: CHE 216 and 315 or concurrent registration. Grade of C or better in CHE 216 for Chemistry and Biochemistry majors.

318 METHODS OF COMPUTATIONAL SCIENCE**3 sem. hrs.**

Introduction to a wide variety of computational techniques and their application to problems in chemistry and physics. Also offered as PHY 318. Prerequisites: CHE 140; IT 165; PHY 109 or 111; CHE 360 or PHY 220 or concurrent registration or consent of the instructor.

343 BIOCHEMISTRY LABORATORY**2 sem. hrs.**

Application of biochemical principles and methods discussed in Chemistry 342. Lecture and lab. Materials charge optional. Prerequisite: CHE 242 or 342 or concurrent registration.

344 GENERAL BIOCHEMISTRY II**3 sem. hrs.**

Survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport, and bioenergetics. Topics will include hormonal controls and immunochemical response. Prerequisite: Grade of B or better in CHE 242 or C or better in CHE 342.

350 ADVANCED INORGANIC CHEMISTRY**3 sem. hrs.**

Advanced inorganic chemistry including modern bonding theories, spectroscopy, structures and reactivity of coordination, main-group and transition-metal compounds; selected special topics. Formerly *INORGANIC CHEMISTRY*. Prerequisites: MAT 146; PHY 109 or 111; grade of C or better in CHE 232 and 250 required for Chemistry and Biochemistry majors.

351 ADVANCED INORGANIC CHEMISTRY LABORATORY**1 sem. hr.**

Advanced experiences in the modern synthesis and quantitative characterization of inorganic compounds and materials. Specific experiments and techniques will vary. Materials charge optional. Formerly *INORGANIC CHEMISTRY LABORATORY*. Prerequisites: CHE 251; CHE 350 or concurrent registration.

362 PHYSICAL CHEMISTRY II**3 sem. hrs.**

Continuation of CHE 360, including introduction to quantum theory, atomic and molecular applications of quantum mechanics, spectroscopy, and statistical thermodynamics. Prerequisite: CHE 360; grade of C or better in CHE 360 is required for Chemistry and Biochemistry majors.

363 PHYSICAL CHEMISTRY LABORATORY II**1 sem. hr.**

Laboratory studies related to principles of physical chemistry with emphasis on quantum mechanics and spectroscopy. Materials charge optional. Prerequisites: CHE 361; 362, or concurrent registration. Grade of C or better in CHE 361 is required for Chemistry and Biochemistry majors.

380 TOPICS IN CONTEMPORARY CHEMISTRY**1-3 sem. hrs.**

New concepts and recent developments in the fields of chemical education, organic, inorganic, analytical, physical, and biochemistry. May be repeated if content differs (see the following topics). Prerequisites: CHE 232. Certain topics may also require CHE 301, 342, 360 or 362. Grade of C or better in CHE 232 (and CHE 360 if prerequisite) is required for Chemistry and Biochemistry majors.

380A15 MAGNETIC RESONANCE**3 sem. hrs.**

This course covers essential concepts and principles in Nuclear Magnetic Resonance (NMR) and Electron Paramagnetic Resonance (EPR) spectroscopies. In EPR, the similarities and differences to NMR will be looked at. Prerequisite: CHE 233. CHE 362 is recommended.

380A23 POLYMER CHEMISTRY**3 sem. hrs.**

Principles and applications of current nanoscience and polymer chemistry. Prerequisite: CHE 360 or consent of instructor.

380A37 COMPUTATION OF MOLECULAR PROPERTIES**3 sem. hrs.**

This course provides an introduction to common techniques employed in computational chemistry. Emphasis is placed on molecular mechanics and molecular dynamics along with methods of molecular orbital theory. Prerequisite: CHE 360.

380A41 BIOLOGICAL CATALYSTS**3 sem. hrs.**

This course focuses on the biological catalysts that make life possible. Students will evaluate thermodynamic and kinetic aspects, structure biological function and regulation of enzymes. Prerequisite: CHE 342 or equivalent.

380A45 X-RAY DIFFRACTOMETRY**3 sem. hrs.**

Advanced study in the area of X-ray Crystallography. Prerequisite: CHE 362 or concurrent registration.

380A52 HOMOGENOUS CATALYSIS**3 sem. hrs.**

This course will introduce topics in homogenous catalysis. Students will have the basic knowledge to understand the reactions discussed throughout the semester. the multiple bonds and carbon-carbon bond formation. Prerequisite: CHE 232 or equivalent.

380A59 ATMOSPHERIC CHEMISTRY**3 sem. hrs.**

New concepts in recent developments in the fields of organic chemical education, inorganic, analytical, physical, and biochemistry. Prerequisites: Grade of C or better in CHE 232.

401 ADVANCED CHEMISTRY DEMONSTRATIONS**1-3 sem. hrs.**

Topical analysis of current best practices in teaching chemistry. May be repeated for credit if content differs (see following topics). Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

401A01 GAS PROPERTIES, LAWS AND REACTIONS**3 sem. hrs.**

Topical analysis of current best practices in teaching gas properties, laws, and reactions. Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

401A02 CHEMICAL REACTIONS, STOICHIOMETRY AND THE MOLECULE**3 sem. hrs.**

Topical analysis of current best practices in teaching chemical reactions, stoichiometry and the molecule. Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

401A03 KINETICS, EQUILIBRIUM AND ACIDS AND BASES**3 sem. hrs.**

Topical analysis of current best practices in teaching kinetics, equilibrium and acids and bases in chemistry. Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

401A04 ATOMIC AND MOLECULAR STRUCTURE**3 sem. hrs.**

Topical analysis of current best practices in teaching atomic and molecular structure. Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

401A05 REDOX, ELECTROCHEMISTRY AND SOLUTIONS**3 sem. hrs.**

Topical analysis of current best practices in teaching redox, electrochemistry and solutions. Prerequisite: CHE 301 or equivalent. Not for credit in the M.S. in Chemistry program.

402 TEACHING CHEMISTRY IN THE LABORATORY**1-3 sem. hrs.**

Critical analysis of factors for teaching chemistry in the laboratory. Course may be repeated for credit (see the following topic). Prerequisites: CHE 301 or 401 or 403, or equivalent. Not for credit in the M.S. in Chemistry program.

402A01 AN EXPERIMENTAL SCIENCE**3 sem. hrs.**

Critical analysis of factors for teaching chemistry in the laboratory. Prerequisites: CHE 301 or 401 or 403, or equivalent. Not for credit in the M.S. in Chemistry program.

403 TEACHING SCIENCE SAFELY**1-3 sem. hrs.**

Topical analysis of current best practices in teaching science safely. Course may be repeated for credit (see the following topics). Prerequisites: CHE 301 or 401 or 402, or equivalent. Not for credit in the M.S. in Chemistry program.

403A01 TEACHING CHEMISTRY SAFELY: SECONDARY SCHOOL**3 sem. hrs.**

Topical analysis of current best practices in teaching science safely. Prerequisites: CHE 301 or 401 or 402, or equivalent. Not for credit in the M.S. in Chemistry program.

403A02 TEACHING SCIENCE SAFELY: BEST PRACTICES**3 sem. hrs.**

Topical analysis of current best practices in teaching science safely. Prerequisites: CHE 301 or 401 or 402, or equivalent. Not for credit in the M.S. in Chemistry program.

412 ADVANCED TOPICS IN ANALYTICAL CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern analytical chemistry. May be repeated for credit (see the following topics). Prerequisite: CHE 315.

412A05 BIOANALYTICAL CHEMISTRY**3 sem. hrs.**

Advanced study in bioanalytical chemistry. Prerequisite: CHE 315.

412A07 SURFACE STRUCTURE AND CHEMISTRY**3 sem. hrs.**

Advanced study in surface structure and chemistry. Prerequisite: CHE 315.

412A15 PRINCIPLES AND APPLICATIONS OF MASS SPECTROMETRY**3 sem. hrs.**

Advanced study in principles and applications of mass spectrometry. Prerequisite: CHE 315.

422 MECHANISMS IN ORGANIC CHEMISTRY**3 sem. hrs.**

A critical examination of nucleophilic, electrophilic, and free radical reaction mechanisms including the study of the stability and reactivity of carbanions, carbocations and carbenes. Prerequisites: CHE 232; 360 or concurrent registration.

424 ADVANCED TOPICS IN ORGANIC CHEMISTRY**1-3 sem. hrs.**

Lectures in selected topics of modern organic chemistry. Course may be repeated for credit. Prerequisite: CHE 232 or equivalent.

426 ORGANIC SYNTHESIS**3 sem. hrs.**

Survey of stereoselective carbon-carbon single and double bond formation, functional group interconversion, multi-step synthetic strategies and an introduction into enantioselective reactions. Prerequisite: CHE 232 or equivalent.

428 HETEROCYCLES**3 sem. hrs.**

Advanced study of the major classes of heterocyclic compounds; includes detailed discussion of aromaticity, conformational analysis, ring synthesis, reactions and nomenclature.

432 LEADERSHIP IN CHEMISTRY EDUCATION**1-3 sem. hrs.**

Advanced study in theories of leadership, advanced ideas of teaching chemistry, and helping others to learn constructivist chemistry teaching techniques. Prerequisite: CHE 301 or equivalent.

433 DEVELOPING PRACTICES IN CHEMISTRY EDUCATION**1-3 sem. hrs.**

Advanced study for chemistry education leaders in developing opportunities for helping others to learn chemistry teaching techniques. May be repeated for maximum of 8 credit hours. Prerequisite: CHE 432 or equivalent.

440 ADVANCED TOPICS IN BIOCHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of biochemistry. Prerequisite: One semester of biochemistry. May be repeated if topic differs (see the following topics).

440A02 NUCLEIC ACIDS**3 sem. hrs.**

Study of structure and function of nucleic acids. Prerequisite: One semester of biochemistry or consent of the instructor.

440A13 BIOINORGANIC CHEMISTRY**3 sem. hrs.**

The structures, bonding, and experimental methods of study and biological functions of essential/toxic metals and metallo-drugs will be considered. Prerequisites: CHE 250 and 342 or equivalent or consent of the instructor.

440A19 MEMBRANE DYNAMICS**3 sem. hrs.**

Advanced study in membrane dynamics. Prerequisite: One semester of biochemistry.

440A21 PRINCIPLES AND APPLICATIONS IN PHYSICAL BIOCHEMISTRY**3 sem. hrs.**

Advanced study in principles and applications in physical biochemistry. Prerequisite: One semester of biochemistry.

442 PROTEINS**3 sem. hrs.**

Chemical forces governing overall protein structure as related to biological function. Methods of protein purification and structural analysis are examined. Prerequisite: CHE 242 or 342 or equivalent.

444 LIPIDS**3 sem. hrs.**

A survey of lipids: structures, functions, intermediary metabolism, metabolic regulation, and techniques used to isolate, characterize and quantitate lipids. Prerequisite: CHE 242 or 342 required. CHE 344 is recommended.

454 ADVANCED TOPICS IN INORGANIC CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern inorganic chemistry. May be repeated (see the following topics). Prerequisite: CHE 350.

454A03 ORGANOMETALLIC CHEMISTRY**3 sem. hrs.**

Advanced study in organometallic chemistry. Prerequisite: CHE 350.

454A06 SOLID STATE AND MATERIALS CHEMISTRY**3 sem. hrs.**

Advanced study in solid state and materials chemistry. Prerequisite: CHE 350.

460 QUANTUM CHEMISTRY**3 sem. hrs.**

An introduction to the methods of obtaining exact and approximate solutions to the Schrodinger equation, and the use of these solutions in the description of atomic and molecular systems. Prerequisites: CHE 362 and MAT 175. MAT 340 is recommended.

464 KINETICS AND DYNAMICS**3 sem. hrs.**

Advanced study of kinetics and dynamics. Topics range from basic kinetics to transition state theory, with an emphasis on modern techniques. Prerequisite: CHE 362.

466 ADVANCED TOPICS IN PHYSICAL CHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of modern physical chemistry. Course may be repeated for credit (see the following topic). Prerequisite: CHE 362.

466A06 LASER MOLECULAR SPECTROSCOPY**2 sem. hrs.**

A descriptive course on the interaction of light and matter with an emphasis on modern laser-based techniques. Prerequisite: CHE 362.

490 RESEARCH IN CHEMISTRY**Variable credit**

Research involving the gathering of data to form the basis for the thesis. The course can be repeated for credit. No more than four hours may be used on a degree audit to meet degree requirements. Prerequisites: Open only to advanced graduate students. Consent of the Department Chair.

492 LITERATURE SEMINAR IN CHEMISTRY**1 sem. hr.**

Survey of current techniques for presenting and reviewing chemical literature and presentation of a current topic in the chemical literature. Formerly *SEMINAR IN CHEMISTRY*.

494 RESEARCH SEMINAR IN CHEMISTRY**1 sem. hr.**

Survey of current techniques for presentation of chemical information, and presentation of a seminar related to a Master's thesis research topic. Prerequisite: CHE 492 or consent of the instructor.

498 PROFESSIONAL PRACTICE IN CHEMISTRY**1-12 sem. hrs.**

Refer to Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in chemistry. Available as 498A50 Co-op in Chemistry (see below). Graduate students must have completed at least one semester of graduate courses (minimum GPA of 3.0) before the first off-campus assignment is made. If this course is taken as Passing/Not Passing (P/NP) only, it may not be used on a degree audit towards degree requirements. No credit can be awarded toward the 12 hour 400-level course requirement for the degree.

498A50 PROFESSIONAL PRACTICE: COOP IN CHEMISTRY**1-12 sem. hrs.**

Practical experience by employment in an industrial or government laboratory. Graduate students must have completed at least one semester of graduate courses (minimum GPA of 3.0) before the first off-campus assignment is made. No more than 2 credit hours of 498A50 can be counted towards the 21 hour coursework requirement for the degree. If this course is taken as Passing/Not Passing (P/NP) only, it may not be used on a degree audit towards degree requirements. No credit can be awarded toward the 12 hour 400-level course requirement for the degree.

499 INDEPENDENT RESEARCH FOR MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses. No more than four hours may be used on a degree audit to meet degree requirements.

499A01 MASTER'S THESIS**1-5 sem. hrs.**

Refer to Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR MASTER'S THESIS LAST TERM**1 sem. hr.**

Refer to Index for General Courses.

COMMUNICATION (COM)

434 Fell Hall, (309) 438-3671
Communication.IllinoisState.edu

Director: Stephen Hunt. Office: Fell 434

Graduate Program Director: Kevin R. Meyer.

Graduate Faculty: Baldwin, Blaney, Bratslavsky, Carr, Chidester, Courtright, Davis, Hayes, Hooker, Hopper, Hunt, Huxford, Kang, Lippert, McHale, Meyer, Moore, Ott, B. Simonds, C. Simonds, Smudde, Zompetti.

Master's Degree Programs in Communication

The School of Communication offers work leading to the M.A. and M.S. degrees in Communication.

Admission Requirements

To be considered for admission to the master's degree program in Communication, an applicant must have a minimum GPA of 3.0 for the last 60 hours of coursework completed. International students are additionally required to obtain a minimum TOEFL score of 600 to be considered for admission to the degree program. In addition to submitting the Graduate School admission application and required transcripts, applicants must arrange to have three letters of recommendation forwarded to the School of Communication.

Program Requirements

OPTION I: A minimum of 32 hours of credit, including completion of a master's thesis. Three courses are required: COM 422, 497 and another methods course (COM 402, 473, or an alternate course approved by the Graduate Coordinator). The remaining courses are selected by the student and advisor. At least 15 hours must be completed at the 400 level (excluding COM 498 and COM 499). A maximum of three credit hours of COM 400 may be applied to the 400-level hours required for the degree. A maximum of six credit hours from COM 400 and COM 498 (combined) may be applied to the degree.

OPTION II: A minimum of 39 hours of credit and one revised seminar paper or seminar project. Three courses are required: COM 422, 497 and another methods course (COM 402, 473, or an alternate course approved by the Graduate Coordinator). The remaining courses are selected by the student and advisor. At least 27 hours must be completed at the 400 level (excluding COM 498). No more than three hours of COM 400 may be applied toward the 27 400-level hours required. A revised seminar paper or seminar project must be submitted to the graduate advisor by the middle of the student's last semester.

Graduate Assistantship Requirements

Graduate assistants in the School of Communication are trained to teach a communication course (COM 110 Communication as Critical Inquiry) in the General Education program. This course is required of all first-year undergraduate students. Individuals interested in a graduate assistantship must

submit, in addition to the application materials identified above, a brief narrative (no more than one page) that outlines their views of the nature of teaching and learning.

Communication Courses

302 COMMUNICATION CRITICISM 3 sem. hrs.

Introduction to rhetorical and critical communication criticism. Prerequisite: COM 111.

303 CONTROVERSY AND CONTEMPORARY SOCIETY 3 sem. hrs.

Communication on contemporary or current, significant, controversial issues. Prerequisite: COM 111.

304 FREEDOM OF SPEECH AND PRESS 3 sem. hrs.

First Amendment rights. Emphasis on Supreme Court decisions relating to political dissent, obscenity, provocation and demonstration, and press freedom. Prerequisite: COM 111.

312 BROADCAST HISTORY 3 sem. hrs.

Course explores in-depth the origins of broadcast media including the people, industries, technologies, and government policies influencing media. Prerequisite: COM 160.

317 DIGITAL POST PRODUCTION 3 sem. hrs.

Theory, aesthetics, and technical skills required for professional level non-linear film/video editing. Materials charge optional. Prerequisites: COM 160, 161, and 163.

318 SOCIAL DYNAMICS OF COMMUNICATION TECHNOLOGIES 3 sem. hrs.

Examination of social dynamics of mediated communication, emphasizing implications of new communication technologies for social institutions and social change. Prerequisite: COM 111 or consent of the instructor.

319 MOTION GRAPHICS AND VISUAL EFFECTS 3 sem. hrs.

Exploration of the art and craft of motion design and VFX using exemplary examples and state-of-the-art techniques. Lecture. Materials charge optional. Formerly *INTERACTIVE MEDIA DESIGN AND AUTHORIZING*. Prerequisites: COM 111, 160, 161, 163, and 317.

320 MASS MEDIA: CULTURAL CRITICISM AND PROBLEMS 3 sem. hrs.

Critiquing mass media's influence on cultural and economic life and its influence on public policy and social change. Formerly COM 260. Prerequisites: COM 111 and 160 or 165.

321 CAMPAIGN COMMUNICATION AND MESSAGE DESIGN 3 sem. hrs.

Application of theory and research to campaign strategy and message design. Emphasis: ethical, informative, and persuasive messages in commercial, political, and social issue campaigns. Prerequisite: COM major or consent of the instructor.

323 THEORY AND RESEARCH IN SMALL GROUP COMMUNICATION
3 sem. hrs.

Theoretical and experimental literature dealing with small group communication processes. Prerequisite: COM 111.

324 THEORY AND RESEARCH IN PERSUASION
3 sem. hrs.

Survey of theoretical and applied literature dealing with how attitudes, beliefs, and social behaviors are affected by communication. Production and criticism of such messages will be studied. Prerequisite: COM 111.

325 THEORY AND RESEARCH IN INTERPERSONAL COMMUNICATION
3 sem. hrs.

Provides an overview of theory and research on interpersonal communication with emphasis on the knowledge and skills necessary to develop, maintain, and terminate social and personal relationships. Prerequisite: COM 111 and 297.

328 NEGOTIATION
3 sem. hrs.

Overview of theory and practice of negotiation. Experience in applying strategies to negotiate effectively and ethically. Prerequisite: COM 111 and 297, or consent of the instructor.

329 ORGANIZATIONAL COMMUNICATION
3 sem. hrs.

Theoretical and empirical literature dealing with communication processes in an organizational setting. Prerequisite: COM 111.

331 HUMAN COMMUNICATION AND THE AGING PROCESS
3 sem. hrs.

This course summarizes the theory and research that informs our understanding of the aging process and the role of communication in the lives of older adults. Prerequisite: COM 111 or SOC 211.

351 ADVANCED WRITING FOR MASS MEDIA
3 sem. hrs.

This course focuses on writing for long form mass media including documentaries, features, dramas, and comedies. Prerequisites: COM 161.

352 DOCUMENTARY PRODUCTION ON SOCIAL AND POLITICAL ISSUES
3 sem. hrs.

Social and political documentary video production with an overview of the history and trends in documentary. Formerly COM 389A58. Prerequisites: COM 161, 163 or 167, and 263 or 267.

355 INTERNATIONAL PUBLIC RELATIONS
3 sem. hrs.

Theory and research related to the practice of public relations across cultural and national boundaries. Application of theory to practical problems. Prerequisites: COM 111 and 178 or consent of the instructor.

356 EXECUTIVE SPEECHWRITING
3 sem. hrs.

Principles and process for researching and ghostwriting speeches. Includes strategies for public-speaking opportunities and counseling speakers. Formerly COM 275A01. Prerequisites: COM major or consent of the instructor.

360 MASS MEDIA: THEORY AND EFFECTS
3 sem. hrs.

Critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design. Prerequisites: COM 111 and 160 or 165.

361 MASS MEDIA LAW, POLICY, & ETHICS
3 sem. hrs.

Examines statutes, policy, and case law affecting media operations along with ethical guidelines for practitioners and industry self-regulation guidelines. Prerequisites: COM 111, 160 or 165, and 297.

362 NON-BROADCAST TELEVISION
3 sem. hrs.

Theory and practice of non-broadcast television with emphasis on equipment, production processes and effectiveness as a medium of communication for business, education and medicine. Lecture and lab. Prerequisite: COM 111.

364 BROADCAST MANAGEMENT
3 sem. hrs.

The role and functions of broadcast media managers in society. Prerequisites: COM 111 and 160. COM 264 is recommended.

365 NEWSPAPER DESIGN AND GRAPHICS
3 sem. hrs.

Fundamentals of newspaper layout, design, and graphics. Lecture and lab. Prerequisite: COM 240.

366 WEB PRODUCTION AND DESIGN
3 sem. hrs.

Design fundamentals and technical skills for Web page production. Lecture and lab. Prerequisite: COM major only.

367 ETHICAL PROBLEMS IN MASS MEDIA
3 sem. hrs.

Analysis of ethical problems in news, entertainment, and persuasive media. Students develop analytical skills using cases and research projects. Prerequisites: COM 111, 160 or 165, and 297.

369 INTERNATIONAL COMMUNICATION SYSTEMS
3 sem. hrs.

Mass communication systems employed in foreign countries, their role in national, social and cultural development. Prerequisite: COM 111.

370 PSYCHOLOGY OF LANGUAGE
3 sem. hrs.

Theories and empirical research relating to the development and functions of language, including how the brain works during conversation, aspects of language gain and loss, and the nature of conversation and its relation to group and social contexts. Prerequisites: COM 111 and 297.

371 POLITICAL COMMUNICATION
3 sem. hrs.

Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation, and other selected topics on political campaign communication. Prerequisites: COM 111; completion of 6 hours COM or 6 hours POL is recommended.

**372 THEORY AND RESEARCH IN
INTERCULTURAL COMMUNICATION**
3 sem. hrs.

Theories and research relating to face-to-face communication among people from different cultural, national, ethnic, or racial backgrounds. Prerequisites: COM 111 and 297, or consent of the instructor.

373 INTERNAL PUBLIC RELATIONS
3 sem. hrs.

Principles and practices for communicating with organizations' internal audiences. Investigation includes nonprofit, profit, government, and nongovernment organizations. Prerequisite: COM 111 required; COM 229 is strongly recommended.

375 COMMUNICATION AND LEADERSHIP
3 sem. hrs.

Survey of theory and research dealing with how the different approaches to leadership are enacted through the process of communication. Prerequisites: COM 111 and 297.

377 PUBLIC RELATIONS CAMPAIGNS
3 sem. hrs.

Theory and research related to professional experience in strategizing and executing public relations. Formerly PUBLIC RELATIONS MANAGEMENT: CAMPAIGNS. Prerequisites: COM 111, 161, 178, 268, 297.

**381 ISSUES IN THE TEACHING
OF COMMUNICATION**
3 sem. hrs.

Identification of common and unique issues in teaching communication concepts and skills. Approaches to resolving classroom problems. Clinical hours available. Prerequisites: COM 281, grade of C or better in TCH 212, 214, 216; and PSY 215 (6 hours) or concurrent registration.

385 EDITORIAL AND FEATURE WRITING
3 sem. hrs.

Advanced training in writing feature articles and editorials for newspapers and magazines. Prerequisites: COM 111, 165, and 265.

**390 TOPICS IN CONTEMPORARY
COMMUNICATION**
3 sem. hrs.

This course addresses contemporary trends and innovations in communication methods/processes. Students focus on rapidly changing communication topics. May be repeated if content is different; maximum of 9 hours. Prerequisites: COM 111, graduate standing, or consent of the instructor.

**392 TOPICS IN COMMUNICATION
INSTRUCTION**
1 sem. hr.

Identification and development of new instructional content, approaches, strategies, and materials for selected oral communication concepts in educational and business classrooms.

**402 SEMINAR IN RHETORICAL
COMMUNICATION RESEARCH
METHODS**
3 sem. hrs.

Survey of rhetorical research methods including Aristotelian, dramatic, narrative, ideological and feminist criticism of various types of texts and contexts.

409 SEMINAR IN HEALTH COMMUNICATION
3 sem. hrs.

Survey of health communication including the role of communication in health care delivery, health promotion, health education, and personal wellbeing. May be repeated if content is different.

**418 FOUNDATIONS OF MEDIATED
COMMUNICATION**
3 sem. hrs.

Review of theories and research addressing mediated communication across levels of analysis and in multiple contexts emphasizing applications and critiques. May be repeated if content is different.

**422 PROSEMINAR IN COMMUNICATION
PHILOSOPHY AND THEORY**
3 sem. hrs.

Introduction to the role of theory, in communication processes and its relation to research. Must be taken by first year graduate students.

424 SEMINAR IN PERSUASION
3 sem. hrs.

The examination of selected areas of theory and research in persuasion. May be repeated if content is different.

433 SEMINAR IN LEADERSHIP COMMUNICATION
3 sem. hrs.

Theories and practices of leadership communication in various organizational contexts. Considers role of leadership communication in establishing relationships, managing communication, and influencing change. May be repeated if content is different.

**435 COMMUNICATION TRAINING AND
DEVELOPMENT**
3 sem. hrs.

Involves identification of instructional problems; analysis of resources and alternatives; and design of effective solutions with emphasis on communication programs for training and development. May be repeated if content is different.

436 ADVANCED MESSAGE DESIGN
3 sem. hrs.

Planning and designing mediated messages. Concepts developed are applied to the production and evaluation of a selected design problem. May be repeated if content is different.

460 SEMINAR IN MASS COMMUNICATION
3 sem. hrs.

Advanced examination of selected areas of theory and research in mass communication. May be repeated if content is different.

**462 SEMINAR IN CRITICAL STUDIES
IN MASS COMMUNICATION**
3 sem. hrs.

Examination of theory and research in criticism of mass communication texts, genres, and institutions. Practice in writing media criticism. May be repeated if content is different.

463 SEMINAR IN MASS MEDIA EFFECTS
3 sem. hrs.

Examines theory and research on mass media effects from a social science perspective. Students develop individual or group research projects. May be repeated if content is different. Prerequisite: Some background in research methods (e.g., COM 297) is strongly recommended.

**472 SEMINAR IN INTERCULTURAL/
INTERETHNIC COMMUNICATION**
3 sem. hrs.

Research and theory regarding culture, "race," and ethnicity as these relate to communication, including verbal/nonverbal differences, cultural adjustment, conflict resolution, and communication of intolerance. May be repeated if content is different. Prerequisites: COM 422 and 497.

**473 SEMINAR IN QUALITATIVE
COMMUNICATION RESEARCH METHODS**
3 sem. hrs.

Introduction to qualitative research methods including open-ended questionnaire, in-depth interview, conversation/discourse analysis, media analysis, and ethnography of communication. Prerequisites: COM 422.

**474 SEMINAR IN INTERPERSONAL
COMMUNICATION**
3 sem. hrs.

Advanced examination of selected areas of theory and research in interpersonal communication. May be repeated if content is different.

475 SEMINAR IN PUBLIC RELATIONS
3 sem. hrs.

Advanced examination of selected areas of theory and research in public relations and recent developments in the public relations profession. May be repeated if content is different.

**478 SEMINAR IN PUBLIC RELATIONS
RESEARCH: CASE STUDIES**
3 sem. hrs.

Application of communication theory to the analysis of public relations problems through the use of student-conducted case studies. May be repeated if content is different. Prerequisites: COM 422 and 497.

**481 SEMINAR IN COMMUNICATION
EDUCATION: COMMUNICATION PEDAGOGY**
3 sem. hrs.

Survey of communication pedagogy including the communication theories and research that inform teaching practice in communication. May be repeated if content is different.

**483 SEMINAR IN COMMUNICATION EDUCATION:
INSTRUCTIONAL COMMUNICATION**
3 sem. hrs.

Survey of instructional communication including the communication theories and research that inform teaching practice across educational contexts. May be repeated if content is different.

**491 INTERNSHIP IN COLLEGE TEACHING IN
COMMUNICATION**
3 sem. hrs.

Credit for the course is given in the School of Teaching and Learning. (See TCH 491.)

492 SEMINAR IN COMMUNICATION THEORY
3 sem. hrs.

Advanced examination of selected areas of communication theory. May be repeated if content is different.

**494 SEMINAR IN SMALL GROUP
COMMUNICATION**
3 sem. hrs.

Advanced examination of selected areas of theory and research in small group communication. May be repeated if content is different.

**495 SEMINAR IN ORGANIZATIONAL
COMMUNICATION**
3 sem. hrs.

Advanced examination of selected areas of theory and research in organizational communication. May be repeated if content is different.

496 SEMINAR IN RHETORICAL THEORY
3 sem. hrs.

Advanced examination of selected theories of rhetorical communication. May be repeated if content is different.

**497 SEMINAR IN QUANTITATIVE
COMMUNICATION RESEARCH METHODS**
3 sem. hrs.

Introduction to quantitative methods of scholarly research and the critical evaluation of research in communication. Must be taken by first year graduate students. Formerly *INTRODUCTION TO RESEARCH METHODOLOGY*.

**498 PROFESSIONAL PRACTICE IN
COMMUNICATION**
9 sem. hrs. maximum.

Refer to Index for General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses.

499A01 MASTER'S THESIS
1-5 sem. hrs.

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR MASTER'S
THESIS LAST TERM**
1 sem. hr.

Refer to Index for General Courses.

COMMUNICATION SCIENCES AND DISORDERS (CSD)

204 Fairchild Hall, (309) 438-8643
CSD.IllinoisState.edu

Chairperson: Ann Beck. Office: 204 Fairchild Hall.

Graduate Program Director: Heidi Verticchio.

Graduate Faculty: Beck, Friberg, Harbers, Harvey-Northrop, Joseph, Ou, Osenga, Park, Pyle, Sawyer, Seeman, Smaldino, Smith, Vinney.

Degrees Offered

The department offers work leading to the M.A. or M.S. degrees in speech pathology and an Au.D. in audiology. In addition to the requirements of the Graduate School, the degree students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association. Copies of requirements for both Illinois and national certification are available in the departmental office. The graduate programs are accredited by the Council on Academic Accreditation.

Admission Requirements

To be considered for admission to the program, applicants are required to hold a baccalaureate degree from an appropriately accredited institution with a grade point average of at least 3.00 computed on the last 60 hours of undergraduate work. The Graduate Record Exam is required. Letters of recommendations and a Student Profile must be submitted to the Department. Forms are available in the department office and online at CSD.IllinoisState.edu. Because of a limited number of spaces in the graduate program, admission to the program may be deferred or denied.

Program Requirements

Students must maintain a cumulative grade point average of 3.00 in major courses and overall to retain their degree status and to be eligible for department practica. Enrollment by graduate students in the department's practica requires degree status. In all instances, permission of the Clinic Director is needed for practicum enrollment, and enrollments may be restricted. External graduate practica may require special coursework and will require a student to provide transportation to external settings arranged by the department.

A candidate for the master's degree must spend at least one full term in residence in order to qualify for the degree. A full term is interpreted as one semester with a class load of eight or more hours, or a summer session with a class load of six or more hours. A degree student in the Doctor of Audiology program must spend one year in residency in order to qualify for the degree. A year in residence is interpreted as three consecutive semesters with a class load of six or more hours for each semester.

Three program options are available for the master's degree in speech pathology. Regardless of the option selected, the student must meet the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American

Speech-Language-Hearing Association (ASHA). In order to meet the clinical practicum requirements for the CCC, the student must be prepared to accept responsibility for completing all the clinical assignments. The specific requirements for the master's degree in Speech-Language Pathology follow.

Speech-Language Pathology (M.A./M.S.)

Students must meet all the academic and clinical practicum requirements for the Certificate of Clinical Competence (CCC) in Speech Language Pathology from the American Speech Language Hearing Association (ASHA). This program includes academic coursework, clinical coursework, and one of the following graduate options: comprehensive exams, independent study, or Master's Thesis. The program requires a total of 57 credit hours (39 academic hours and 18 clinical hours). Academic courses include: CSD 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460. Clinical courses include: CSD 408A30, 408A40, 408A50, 408A60, and 408A70. In order to meet the clinical requirements for the CCC, students must be prepared to accept the responsibility for completing all clinical assignments necessary for generating the requisite clock hours ASHA has specified in all designated areas knowledge and skills.

Students will select one of the following graduate options: comprehensive exams, independent study, or Master's Thesis at the end of the spring semester (third term on campus). The comprehensive exam option requires students pass the comprehensive exam administered by the Department of Communication Science and Disorders. The independent study will require a two credit hour course registration of CSD 400 under the direction of a CSD faculty member. The thesis option will require a total of 6 credit hours of CSD 499 under the direction of a CSD faculty member.

Doctor of Audiology (Au.D.)

This four-year post-baccalaureate professional degree is designed to produce audiologists who are competent to perform a wide array of diagnostic, remedial, and other services associated with the practice of audiology. Students must meet all the academic requirements and clinical practicum requirements for the Certificate of Clinical Competence (CCC) of the American Speech-Language-Hearing Association (ASHA). The program includes formal coursework, practica, a year-long residency, and an independent study capstone project. The program requires a minimum of 106 credit hours. Students are expected to be in residence for at least one academic year. In order to meet the clinical practicum requirements for the CCC, the student must be prepared to accept the responsibility for completing all clinical assignments necessary for generating the requisite clock hours ASHA has specified in designated clinical categories.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the

Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, and Communication Sciences and Disorders. For admission requirements and other information, please see the Department of Sociology and Anthropology section in this catalog.

Communication Sciences and Disorders Courses

350 INTRODUCTION TO AUDIOLOGY

3 sem. hrs.

Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation. Prerequisites: CSD 249.

351 INTRODUCTION TO AURAL REHABILITATION TRAINING

3 sem. hrs.

Principles of habilitation/rehabilitation of communicative disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use. Prerequisite: CSD 350.

375 DIVERSITY ISSUES IN COMMUNICATION SCIENCES DISORDERS

3 sem. hrs.

A multicultural perspective of communication disorders across the lifespan. Introduction to supportive communication practices. Formerly *CULTURAL DIVERSITY IN COMMUNICATION DISORDERS*.

401 METHODS OF RESEARCH IN SPEECH PATHOLOGY AND AUDIOLOGY

3 sem. hrs.

Introductory review of research strategy and philosophy in speech pathology and audiology for professionals who will be consumers of research literature.

402 COGNITION AND LANGUAGE ACROSS THE LIFESPAN I: FOUNDATION

4 sem. hrs.

To provide a foundation in the normal development of and interplay between cognition and language across the lifespan.

403 COGNITION AND LANGUAGE ACROSS THE LIFESPAN II: DIFFERENTIAL DIAGNOSIS

3 sem. hrs.

Application of content from CSD 402 to etiologies and differential diagnosis of disorders of language and cognition across the lifespan. Prerequisite: CSD 402.

404 COGNITION AND LANGUAGE ACROSS THE LIFESPAN III: INTERVENTION

3 sem. hrs.

Application of content from CSD 402 and 403 to intervention strategies for disorders of language and cognition across the lifespan. Prerequisite: CSD 402

406 LANGUAGE FOR LEARNING AND LITERACY

3 sem. hrs.

Explores the role of language in learning and how to integrate reading, writing and oral communication to increase content learning.

408A30 BASIC PRACTICUM: SPEECH-LANGUAGE PATHOLOGY

1 sem. hr.

Approximately 25 clock hours of supervised clinical practicum under an ISU Supervisor. Materials charge optional - includes access to Typhon.

408A40 INTERMEDIATE PRACTICUM: SLP

2 sem. hrs.

Approximately 45 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. Lecture and lab. May be repeated for maximum of 4 semester hours. Materials charge optional. Formerly *BASIC PRACTICUM: SPEECH LANGUAGE PATHOLOGY*.

408A50 ADVANCED PRACTICUM: SLP

3 sem. hrs.

Approximately 65 clock hours of supervised clinical practicum. Placement in external practicum sites may be included. Lecture and lab. Materials charge optional.

408A60 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY EDUCATIONAL PLACEMENT

5 sem. hrs.

Approximately 100 hours of external supervised practicum in an educational setting. May be repeated for credit for maximum of 10 hours. Prerequisites: Consent of the Clinic Director; major and overall graduate GPA of 3.0 or higher.

408A70 EXTERNAL PRACTICUM SPEECH-LANGUAGE PATHOLOGY MEDICAL PLACEMENT

5 sem. hrs.

Approximately 100 hours of supervised external practicum in a medical setting. May be repeated for credit for maximum of 10 hours. Prerequisites: Consent of the Clinic Director; major and overall graduate GPA of 3.0 or higher.

409 INTRODUCTION TO RESEARCH

2 sem. hrs.

Critical review of research strategy and philosophy as it relates to evidence-based practice in speech-language pathology and audiology.

410 NEUROBASIS OF COMMUNICATION DISORDERS

3 sem. hrs.

To provide a neurological basis of communication sciences and disorders (i.e., communication, speech, swallowing, cognition, hearing, sensory integration).

412 SPEECH SOUND DISORDERS

3 sem. hrs.

Exploration of speech sound disorders that have cognitive/linguistic, motor, or neurological basis with emphasis on differential diagnosis and treatment. Prerequisite: CSD 215.

413 ASSESSMENT AND MANAGEMENT OF VOICE AND RESONANCE DISORDERS

3 sem. hrs.

Review of normal voice production and the study of etiologies, diagnosis, and management of voice and resonance disorders.

414 DYSPHAGIA**2 sem. hrs.**

In-depth study of evaluation and management/treatment of swallowing disorders in adults. Includes trachs/vents. Formerly *EVALUATION AND MANAGEMENT OF DYSPHAGIA*.

418 ASSESSMENT AND TREATMENT OF STUTTERING**3 sem. hrs.**

Review of the phenomenology of stuttering pertaining to the evaluation and treatment of stuttering in children and adults. Formerly *STUTTERING II*.

420 FEEDING AND SWALLOWING DISORDERS IN INFANTS AND CHILDREN**2 sem. hrs.**

This course addresses evaluation and management of pediatric feeding/swallowing disorders, including the needs of tracheostomized/mechanically ventilated patients. Formerly *EVALUATION AND MANAGEMENT OF PEDIATRIC DYSPHASIA*.

422 ASSESSMENTS ACROSS A LIFESPAN**2 sem. hrs.**

Evaluation of communication disorders across the lifespan and use of the assessment to inform clinical decision-making and recommendations.

432 PROFESSIONAL ISSUES**2 sem. hrs.**

Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Professional development and maintenance.

449 SPECIAL TOPICS IN SPEECH-LANGUAGE PATHOLOGY**2-6 sem. hrs.**

Current topics in speech-language pathology selected by students in consultation with the instructor. May be repeated for a maximum of 6 semester hours if content is different. Prerequisite: Consent of the instructor.

449A01 EVALUATION AND TREATMENT OF STUTTERING IN SCHOOL AGE CHILDREN**2 sem. hrs.**

Prerequisite: Consent of the instructor.

449A02 SEMINAR IN SPEECH LANGUAGE PATHOLOGY: AUTISM**2 sem. hrs.**

Prerequisite: Consent of the instructor.

449A03 COGNITIVE INTERVENTION AND WELLNESS SEMINAR**2 sem. hrs.**

Prerequisite: Consent of the instructor.

451 COUNSELING FOR COMMUNICATION DISORDERS**2 sem. hrs.**

A study of counseling approaches and techniques used in assessment and intervention of individuals with communication disorders and their families.

460 AUGMENTATIVE AND ALTERNATIVE COMMUNICATION**2 sem. hrs.**

Application of principles of AAC assessment and intervention. Advanced programming of AAC devices. Formerly *ADVANCED AUGMENTATIVE AND ALTERNATIVE COMMUNICATION*.

498 PROFESSIONAL PRACTICE**1 sem. hr.**

Refer to Index for General Courses. May be repeated for credit.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses. Students who register for one or more hours of CSD 499 are required to attend the thesis seminar.

499A01 MASTER'S THESIS**1-5 sem. hrs.**

Refer to Index for General Courses.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

508 AUDIOLOGY CLINICAL PRACTICUM**2-4 sem. hrs.**

Supervised clinical practicum. May be repeated for a maximum of 8 semester hours. Materials charge optional. Prerequisite: Consent of the Clinical Director.

508A10 CLINICAL OBSERVATION**1 sem. hr.**

Directed observation in the audiology clinic developing critical observation skills. Includes 25 clinical observation hours. May be repeated for a maximum of 2 semester hours. Materials charge optional. Prerequisite: Consent of Clinical the Director.

508A20 CLINICAL CLERKSHIP**2 sem. hrs.**

Introductory level supervised clinical practicum. Placement of external practicum sites may be included. May be repeated for maximum of 8 semester hours. Materials charge optional. Prerequisite: Consent of the Clinical Director.

508A30 AUDIOLOGY INTERNSHIP**3 sem. hrs.**

Intermediate level supervised clinical practicum. Placement in a variety of clinical sites closely associated with the university clinic. May be repeated for maximum of 12 semester hours. Prerequisite: Consent of Clinical Director.

508A40 GRADUATE AUDIOLOGY PRACTICUM**4 sem. hrs.**

Advanced clinical practicum in audiology conducted in a variety of settings and with a range of hearing-impaired populations. May be repeated for maximum of 16 semester hours. Prerequisite: Consent of the Clinical Director.

509 ANATOMY AND PHYSIOLOGY OF THE AUDITORY VESTIBULAR SYSTEM**3 sem. hrs.**

Advanced study of the anatomy of the auditory and vestibular systems including the latest developments in understanding the function of various elements. Prerequisite: CSD 249.

510 PSYCHOACOUSTICS
2 sem. hrs.

Advanced study of classical and modern psychoacoustic theory and practice. Auditory perception in both normal and disordered systems are considered.

**511 ELECTROPHYSIOLOGICAL TECHNIQUES
 IN AUDIOLOGY I**
3 sem. hrs.

Instruction and experiential training in basic electrophysiological testing, including both electrical and acoustic auditory responses, as well as basic instrumentation. Materials charge optional.

520 ESSENTIAL TECHNIQUES IN AUDIOLOGY
3 sem. hrs.

Essential tests of auditory system function including behavioral and physiological measure. Interpretation of test results as they relate to pathological conditions of the auditory system.

521 DIFFERENTIAL DIAGNOSIS IN AUDIOLOGY
3 sem. hrs.

Administration and interpretation of audiometric procedures for differential diagnosis of auditory pathology emphasizing a test battery approach. Prerequisite: CSD 520.

**522 ELECTROPHYSIOLOGICAL TECHNIQUES
 IN AUDIOLOGY II**
2 sem. hrs.

Instruction and experiential training in advanced electrophysiological techniques used in Audiological practice. Prerequisite: CSD 511 or consent of the instructor.

523 PEDIATRIC AUDIOLOGY
3 sem. hrs.

Hearing disorders and audiological techniques in the pediatric population. Prerequisite: CSD 521 or consent of the instructor.

524 MEDICAL AUDIOLOGY
3 sem. hrs.

Intensive study of medical correlates of hearing impairment, including medical and surgical intervention, pharmacology and ototoxicity, the effects of sedation on physiological measures and the pathogenesis of aural pathologies. Prerequisite: CSD 521.

526 AUDITORY PROCESSING AND DISORDERS
2 sem. hrs.

Overview of human neuroanatomy and physiology of the central and peripheral nervous systems. Special study of the central auditory and vestibular connections. Review of current literature on normal pathological auditory processing and interventions. Prerequisite: CSD 521.

**530 ACOUSTICS AND AMPLIFICATION
 TECHNOLOGY**
3 sem. hrs.

Basic acoustics and its application to amplification electronics including real-ear measurements, ANSI specifications, ear mold acoustics and modification parameters. Formerly *AMPLIFICATION TECHNOLOGY*.

531 AMPLIFICATION SELECTION AND FITTING
3 sem. hrs.

Determining candidacy and benefit from amplification. Selection of appropriate amplification systems and options including assistive listening devices and implantable hearing aids. Materials charge optional. Prerequisite: CSD 530.

**532 ADVANCED AURAL REHABILITATION:
 PEDIATRICS**
2 sem. hrs.

Overview of current management options for the (re)habilitation of children with hearing loss. Prerequisite: CSD 351.

**533 ADVANCED AURAL REHABILITATION:
 ADULT-GERIATRIC**
2 sem. hrs.

Overview of current management options for the rehabilitation of adults with hearing loss. Review of literature pertaining to audiologic rehabilitation. Prerequisite: CSD 351.

536 IMPLANTABLE AUDITORY PROSTHESES
2 sem. hrs.

Overview of knowledge and skills to work with implantable auditory prosthetics in clinical practice. Formerly CSD 580A01. Prerequisite: Consent of the instructor.

**538 VESTIBULAR EVALUATION AND
 REHABILITATION**
3 sem. hrs.

Overview of vestibular anatomy and physiology. Procedures for assessment of the vestibular and balance systems and treatments for vestibular disorders. Prerequisite: Consent of the instructor.

540 PROFESSIONAL ISSUES IN AUDIOLOGY
2 sem. hrs.

Review and analysis of professional issues impacting service delivery in communication sciences and disorders. Prerequisite: Consent of the instructor.

541 HEARING CONSERVATION
2 sem. hrs.

Study of the effects of noise on the auditory system, noise measurement and hearing conservation programming. In addition, medical-legal aspects of hearing impairment are covered. Prerequisite: CSD 510 or consent of the instructor.

**542 BUSINESS AND PRACTICE MANAGEMENT
 IN AUDIOLOGY**
3 sem. hrs.

Survey of audiology business practices and audiology clinic practice management. Prerequisite: Consent of the instructor.

580 ADVANCED SEMINAR IN AUDIOLOGY
2-6 sem. hrs.

Specific or assigned topics explored. May be repeated for credit if content is different, for a maximum of 6 credit hours (see the following topics). Prerequisite: Consent of the instructor.

580A04 SPECIAL TOPICS IN AUDIOLOGY
2 sem. hrs.

Prerequisite: Consent of the instructor.

**580A05 HUMANITARIAN OUTREACH IN
 AUDIOLOGY**
2 sem. hrs.

This is an advanced course on humanitarian outreach in audiology. Prerequisite: Consent of the instructor.

580A06 EDUCATIONAL AUDIOLOGY
2 sem. hrs.

Overview of current educational management practices for children with hearing loss. Prerequisite: Consent of the instructor.

**580A07 PSYCHOSOCIAL ASPECTS OF
HEARING LOSS**

2 sem. hrs.

This is an advanced course on psychosocial aspects of hearing loss. Prerequisite: Consent of the instructor.

**580A08 EVIDENCE-BASED PRACTICE IN
AUDIOLOGY**

2 sem. hrs.

This is an advanced course on evidence-based practice (EBP) in Audiology that will be taught in both lecture and seminar format. Prerequisite: Consent of the instructor.

**580A09 SEMINAR: AUDIOLOGY CASE REPORT
PREPARATION**

2 sem. hrs.

Application of principles of case illustration and description. Preparation of reports for journal submission. Prerequisite: Consent of the instructor.

598 CLINICAL RESIDENCE IN AUDIOLOGY

6 sem. hrs.

Advanced three-semester clinical practicum in an external site. Each residency is custom-tailored to interests of the trainee. May involve relocation or travel. May be repeated for a maximum of 18 semester hours. Prerequisite: Consent of the instructor.

ECONOMICS (ECO)

425 Stevenson Hall, (309) 438-8625
Economics.IllinoisState.edu

Chairperson: David Cleeton. Office: 425 Stevenson.

Graduate Program Director: Hassan Mohammadi.

Graduate Faculty: Billger, Blanco, Chen, Cleeton, Dincer, Goel, Loomis, Mohammadi, Nikolaou, Ohler, Ram, Rich, Walbert, Waters, Zhang.

Master's Degree Programs in Economics

The Department of Economics offers work leading to the M.A. or M.S. degree in applied economics. Four program options are available.

Non-Thesis Option: The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), 492 (3 hours), and 495 (3 hours), for a total of 22 hours; 9 credit hours in Economics at the 400 level; and 3 credit hours of additional electives at the 300 or 400 level within Economics and selected in consultation with the Graduate Program Director.

Applied Community and Economic Development Sequence

This sequence is designed for: (a) returned Peace Corps Volunteers, or (b) students with equivalent domestic or international experience with other agencies. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 440 (4 hours), 441 (3 hours), 490A04 (2 hours), 492 (3 hours), 495 (3 hours), and ECO 498A03 or 498A90 (5 hours), for a total of 26 hours; and POL/SOC 470 (3 hours), POL/SOC 477 (3 hours), ECO/POL/SOC 478 (2 hours).

Electricity, Natural Gas, and Telecommunications Economics Sequence

This sequence emphasizes the application of economic analysis to the telecommunications, electric, and natural gas industries. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), 492 (3 hours) and 495 (3 hours), for a total of 22 hours; ECO 335 (3 hours), 435 (3 hours), and 436 (3 hours); ECO 498A02 (3 hours), or a 3-hour elective may serve as a substitute for ECO 498A02.

Financial Economics Sequence

This sequence provides students training in the financial theory of the firm, financial markets and institutions to complement their training in applied economic analysis. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), ECO 438 (3 hours), ECO 439 (3 hours), ECO 440 (4 hours), ECO 441 (3 hours), and ECO 495 (3 hours), for a total of 19 hours; FIL 404 (2 hours), FIL 440 (3 hours), and 3 credit hours in a FIL 400-level elective; 7 credit hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director. Before enrolling in the sequence, students must consult the Graduate Program Director of the Department of Economics and the MBA Program Office and obtain approval for registering for FIL courses. Students in the graduate program in the Department of

Economics who satisfy the following requirements may take graduate level finance courses offered by the College of Business: (1) The student must have taken and passed ECO 437 with a grade of B or better; (2) The student must have a graduate GPA of 3.0 or above; and (3) qualified students must take and pass FIL 404 or equivalent (equivalent means that the student has either taken a similar course at the undergraduate level or passed a proficiency exam administered by the MBA Program Office) before registering for FIL 440.

Thesis Option: This option is appropriate for students whose interests lie outside one of the applied fields noted above and for those who intend to pursue doctoral level studies in economics or a related discipline. The thirty-four hours of credit must include the core courses: ECO 437 (3 hours), 438 (3 hours), 439 (3 hours), 440 (4 hours), 441 (3 hours), and 499 (6 hours), for a total of 22 hours; 6 hours in Economics at the 400 level; and 3 hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director.

Admission Requirements

Program applicants must submit Graduate Record Examination scores. In normal circumstances and without additional information to indicate potential success in the program, minimum acceptable scores are 144 for the quantitative and 150 for the verbal components of the test. Admission to the program without course deficiencies requires that the student has successfully completed principles of economics, a basic course in calculus and in statistics, and courses in intermediate microeconomic and macroeconomic theory. For students with a strong undergraduate quantitative background, the course requirements in intermediate theory may be waived by the department. An applicant must have earned at least a 3.0 GPA on a 4.0 scale in the last four of the six required courses.

Economics Courses

320 INDUSTRIAL ORGANIZATION 3 sem. hrs.

Theoretical and empirical analysis of basic influences on industrial markets and performances. Market practices, the role of competition, and related policy issues. Prerequisite: ECO 240.

326 ECONOMICS OF HUMAN RESOURCES 3 sem. hrs.

Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and income policies. Prerequisite: ECO 225 or 240.

335 ECONOMICS OF REGULATION AND ANTITRUST 3 sem. hrs.

The origins, aims, methods and effects of economic regulation and antitrust with an emphasis on case studies. Prerequisite: ECO 239 or 240.

340 HEALTH ECONOMICS AND POLICY 3 sem. hrs.

Study of the production of health care and the market forces that act on individuals, providers, institutions, and policy design. Prerequisite: ECO 240.

343 COMPETITION AND MANAGERIAL STRATEGIES**3 sem. hrs.**

Applications of game theory to managerial decisions in competitive, oligopolistic, and monopolistic markets. Prerequisites: ECO 239 or 240.

345 INTERNATIONAL TRADE**3 sem. hrs.**

Study of the causes and consequences of international trade. Analysis of tariffs, quotas, other trade restrictions, current trade policy and multinational corporations. Prerequisite: ECO 240 or 245.

346 INTERNATIONAL FINANCE**3 sem. hrs.**

Analysis of mechanisms of international payments and evaluation of the international monetary system. Topics include exchange rates, balance of payments, international monetary cooperation, and connections between the domestic and international economy. Prerequisite: ECO 241 or 245.

350 PUBLIC FINANCE**3 sem. hrs.**

Analysis of the economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income. Prerequisite: ECO 240.

353 REGRESSION AND TIME SERIES ANALYSIS**4 sem. hrs.**

Regression and time series methods for business and economic applications, including exponential smoothing and Box-Jenkins methods. Computer statistical package used. Also offered as MAT 353. Prerequisite: Grade of C or better in MAT 351 or equivalent or consent of the instructor.

372 HISTORY OF ECONOMIC THOUGHT**3 sem. hrs.**

A study of economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary. Prerequisites: Two 200-level ECO courses or consent of the instructor.

401 SURVEY OF ECONOMIC PRINCIPLES**3 sem. hrs.**

Compresses into a single semester matters ordinarily covered in two semesters of Economic Principles. Enrollment is limited to graduate students who have had no more than one semester of previous study in economics. Cannot be presented for graduate credit by a degree candidate in Economics or in the MBA program.

405 THEORIES OF ECONOMIC DEVELOPMENT**3 sem. hrs.**

Consideration of economic development theories and their implications for development policy to further economic growth. Prerequisite: ECO 205.

425 ADVANCED LABOR ECONOMICS**3 sem. hrs.**

Advanced theoretical and empirical analysis of labor demand, labor supply, inter-industry wage differential, social interaction, and household decision models. Emphasis on contemporary econometric methods. Prerequisites: ECO 326, 437 and 440.

435 PUBLIC UTILITY ECONOMICS**3 sem. hrs.**

Principles and institutions of economic regulation, with applications to regulatory reform in the electricity, natural gas and telecommunications industries. Prerequisites: ECO 335 and 440.

436 SEMINAR IN REGULATORY POLICY**3 sem. hrs.**

Analysis of the economic issues facing the electric, natural gas, and telecommunications industries. Prerequisite: ECO 435.

437 FUNDAMENTALS OF ECONOMETRICS**3 sem. hrs.**

Review of basic statistics. Study of linear regression model and tests of model assumptions. Prerequisites: ECO 105, 138; MAT 121 or 145.

438 MICROECONOMETRICS**3 sem. hrs.**

Econometrics techniques related to microeconomics. Topics include instrumental variables, model specification tests, simultaneous equations, cross-section and panel estimation, and binary choice models. Prerequisite: ECO 437.

439 APPLIED TIME SERIES ECONOMETRICS AND FORECASTING**3 sem. hrs.**

Study of structural models, univariate and multivariate time series models, and volatility models along with generation of forecasts. Prerequisite: ECO 438.

440 ADVANCED MICROECONOMIC THEORY I**4 sem. hrs.**

Optimization techniques, theory of consumer choice, theory of the firm, market equilibrium, and welfare economics. Prerequisites: ECO 240 and work in calculus.

441 ADVANCED MACROECONOMIC THEORY I**3 sem. hrs.**

National income analysis with emphasis on the contemporary theories of consumption, investment and interest, also consideration of the level, growth, and fluctuations of national income. Prerequisites: ECO 241 and work in calculus.

445 INTERNATIONAL ECONOMIC ANALYSIS**3 sem. hrs.**

Pure theory of trade, and international finance, growth and trade, balance of payments adjustment, and the theory of exchange rate determination are considered. Prerequisite: ECO 345.

478 TOPICS IN ADMINISTRATION AND PLANNING**2 sem. hrs.**

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Also offered as POL/SOC 478. Prerequisite: Graduate standing in ECO, POL, or SOA or consent of the instructor.

490 SEMINAR IN ECONOMICS**1-4 sem. hrs.**

May be repeated for credit if different topics (see topics below). Prerequisites: Consent of the department chairperson; in addition, for 490A04, must have had at least one course in Economics.

490A02 SEMINAR IN FINANCIAL ECONOMICS**3 sem. hrs.**

In this course basic financial economics analytical tools and models are presented along with relevant financial theories and practices. Prerequisites: ECO 438, 439, and 440.

490A04 SEMINAR IN LOCAL ECONOMIC DEVELOPMENT**1-4 sem. hrs.**

Prerequisites: Consent of the department chairperson; must have had at least one course in Economics.

491 INTERNSHIP IN COLLEGE TEACHING IN ECONOMICS**3 sem. hrs.**

Credit for the course is given in the School of Teaching and Learning (see TCH 491).

492 GRADUATE READINGS IN ECONOMICS**1-3 sem. hrs.**

For the graduate student who would benefit from a more specialized independent type of study adapted to his/her background and needs. Prerequisite: Consent of the department chairperson and instructor.

495 GRADUATE RESEARCH IN APPLIED ECONOMICS**3 sem. hrs.**

Seminar course in applied economics research. Topics will vary by instructor, with students undertaking a substantial research project. Prerequisites: ECO 437, 438, 440, and 441.

498 PROFESSIONAL PRACTICE IN ECONOMICS**1-12 sem. hrs.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. See available topics below. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

498A01 PROFESSIONAL PRACTICE: COOP/ INTERNSHIP IN ECONOMICS**1-12 sem. hrs.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

498A02 PROFESSIONAL PRACTICE: COOP/ INTERNSHIP IN ELECTRIC, NATURAL GAS AND TELECOMMUNICATION**1-12 sem. hrs.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

498A03 PROFESSIONAL PRACTICE: COOP/ INTERNSHIP IN COMMUNITY DEVELOPMENT**1-12 sem. hrs.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

498A15 PROFESSIONAL PRACTICE: STEVENSON CENTER ASSISTANTSHIP**1 sem. hr.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

498A90 PROFESSIONAL PRACTICE: COMMUNITY DEVELOPMENT LAST YEAR**1-12 sem. hrs.**

Refer to Index for General Courses. Practical experience in a professional capacity under the mentorship of a faculty member. A maximum of six hours may be submitted toward degree completion. Will not count toward the 400-level course requirement. Prerequisites: ECO 437, 438, 440, and 441 and a 3.0 or better GPA.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to Index for General Courses.

ENGLISH (ENG)

409 Stevenson Hall, (309) 438-3667
 English.IllinoisState.edu

Chairperson: Christopher De Santis. Office: 409-D Stevenson Hall.

Graduate Program Director: K. Aaron Smith.

Graduate Faculty: Amato, Brasseur, Breu, Broad, Burt, Cheville, Coats, Cruz, Demirci, De Santis, Fleischer, Gudding, Haas, Harris, Hatmaker, Hochstetler, Huff, Hunt, Hurley, Jung, Justice, Kalmbach, Kalter, Kang, Kerr, Kim, Lyons, McBride, McLaughlin, Moran, Neuleib, Parry, Patterson, Rejack, Ressler, Robillard, Saunders, Seloni, Smith, Susina, Trites, Ugor, Walker, Zona.

Degrees Offered

The Department of English offers programs of graduate work leading to the Post-Baccalaureate Certificate, Master of Arts, Master of Science, and the Doctor of Philosophy. University requirements for these degrees are listed elsewhere in this catalog. Departmental requirements are as follows.

Admission Requirements

Admission requirements are as follows. All applicants will have achieved a minimum 3.0 GPA as undergraduates; or, will have achieved more than a 3.0 during their last 45 hours; or, will have achieved a 3.0 as visiting graduate student; or, will have achieved a 3.0 as a master's student. Applicants will submit the scores from the General Test of the Graduate Record Examination (GRE), transcripts from all colleges and universities attended, the application form, and any supporting materials. In addition, international students are required to submit TOEFL scores. Applications to the master's and Ph.D. programs are considered in January for fall enrollment.

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School

The Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School is designed for certified middle and high school teachers of any subject who are interested in pursuing study of current theory and practice in composition in an atmosphere emphasizing the special needs of the high school/middle school teacher. Middle or Secondary Teacher Certification is required for admission to the certificate program. The Post-Baccalaureate Graduate Certificate is earned upon completion of the following 18 hours of courses:

- 409A01 Major Figures in the Teaching of Writing in High School/Middle School
- 409A02 Teaching of Grammar in High School/Middle School
- 409A03 Writing Assessment in High School/Middle School
- 409A04 Using Technology to Teach Writing in High School/Middle School
- 409A05 Applying Rhetoric to the Teaching of Writing in High School/Middle School
- 409A06 The Writing Project

With permission of the Graduate Program Director, an appropriate 400-level course focused on composition or the teaching of composition may be substituted for one 409 course.

The Post-Baccalaureate Graduate Certificate does not automatically lead to a graduate degree or guarantee of admission to a degree program. Credits earned for the certificate may, with the approval of the Graduate Program Director, be applied toward an M.A. or Ph.D. in English Studies if the student is admitted to one of these programs.

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

The graduate certificate in TESOL is an option for graduate students enrolled in another graduate program at Illinois State University who intend to teach English to speakers of other languages. Students enrolled in any graduate program at Illinois State University may apply to this certificate program. The graduate certificate requires 15 hours to consist of ENG 341, 342 or 343, 344, 394, and 441. Students desiring to acquire the certificate should consult the graduate program coordinator/advisor as well as the TESOL certificate coordinator.

Master's Degree in English

The Department offers a master's degree in English, with emphases by advising in English studies, children's literature, creative writing, linguistics, rhetoric and composition, TESOL, and literary and cultural studies. ENG 402 is required for students with teaching assistantships in the writing program. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Option I: This degree option, made in consultation with the advisor, requires 11 courses and either a comprehensive examination or a portfolio, the contents of which are to be determined by the student, also in consultation with the advisor.

Option II: This degree option, made in consultation with the advisor, requires 10 courses and a thesis. The typical program is approximately 34 semester hours.

Doctor of Philosophy

The Doctor of Philosophy in English is designed for those who have a demonstrated career commitment to teaching, especially in two and four year colleges. Our unique Ph.D. program focuses on theorizing pedagogies that are situated within a broadly conceived English Studies model of the profession. Students develop an area of specialization and explore the connections between that specialization and other parts of English. The program requires ENG 402 for students with teaching assistantships in composition, ENG 510, 540, 560, 590, and 591; English Studies electives, 6-9 hours; Pedagogy, 6 hours; Specialization, 15 hours; comprehensive examinations; and a dissertation that connects research in language, literature, or writing with pedagogy.

A full-time student should normally complete coursework in two calendar years, a part-time student, in four years. A Doctor of Philosophy student, after completing work for a master's degree or its equivalent, must successfully complete at least two terms

of full-time residency. A term may be a semester or a summer session of at least eight weeks. Full-time for residency is defined as at least nine semester hours of course work during a semester or six semester hours during a summer session.

Admission to the program requires a master's degree and, ordinarily, prior teaching experience. For additional information write the Graduate Program Director, Illinois State University, Department of English, Campus Box 4240, Normal, IL 61790-4240.

English Courses

When content differs some courses may be repeated with the approval of the Department's Graduate Program Director and the Graduate School.

308 LITERATURE AND THE RELATED ARTS 3 sem. hrs.

Formal, aesthetic, and cultural relationships among literature, art, music, drama, film, and other related arts. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE 3 sem. hrs.

Development of the English language from the Old English period to the present. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

311 INTRODUCTION TO OLD ENGLISH LANGUAGE AND LITERATURE 3 sem. hrs.

Elements of Old English grammar, with selected readings in Old English literature. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

320 CHAUCER 3 sem. hrs.

Literary and linguistic study of the major works of Chaucer; text in Middle English. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed or consent of the instructor.

324 MILTON 3 sem. hrs.

Poetry and prose of John Milton. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed or consent of the instructor.

327 RESTORATION AND EIGHTEENTH-CENTURY DRAMA 3 sem. hrs.

English drama from the opening of the theatres in 1660 to the turn of the nineteenth century. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed or consent of the instructor.

328 MODERN DRAMA 3 sem. hrs.

20th-century drama written in English and related criticism. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed or consent of the instructor.

329 SELECTED FIGURES IN ENGLISH LITERATURE 3 sem. hrs.

Topics in specific literary figures, genres, or movements. May repeat if content differs. Prerequisites: ENG 100 with a grade of C or better, ENG 102, A minimum of 45 hours completed or consent of the instructor.

332 SELECTED FIGURES IN AMERICAN LITERATURE 3 sem. hrs.

Topics in literary figures, genres, or movements. May repeat if content differs. Prerequisites: Grade of C or better in ENG 100; ENG 102, and a minimum of 45 hours completed, or consent of the instructor.

336 THE AMERICAN NOVEL 3 sem. hrs.

Historical survey of major American novelists. May repeat if content differs; maximum 6 hours. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed, or consent of the instructor.

341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS 3 sem. hrs.

Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, variation. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

342 SOCIOLINGUISTICS 3 sem. hrs.

Social significance of language variation: regional, social, ethnic dialects; attitudes toward variation. Multilingual societies, language choice, language shift, language planning. Also offered as ANT 342. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

343 CROSS-CULTURAL ISSUES IN TESOL 3 sem. hrs.

The relationship between language, culture, and cultural awareness in the learning and teaching of English as a Second Language. Prerequisites: ENG 241 or 243 or 341. A minimum of 45 hours completed or consent of the instructor.

344 TESOL: THEORETICAL FOUNDATIONS 3 sem. hrs.

Linguistic theories; first and second language acquisition; cognitive, affective, and cultural factors in teaching English as a Second Language. Prerequisites: ENG 243 or 341. Junior/senior standing or consent of the instructor.

345 TESOL: METHODS AND MATERIALS 3 sem. hrs.

Methodologies and techniques for teaching English as a Second Language; evaluation of materials for various levels and instructional goals. Includes Clinical Experiences. Prerequisites: ENG 344. A minimum of 45 hours completed or consent of the instructor.

346 ASSESSMENT AND TESTING IN ESL 3 sem. hrs.

Assessing oral and written proficiency in English as a Second Language. Prerequisites: ENG 341. A minimum of 45 hours completed or consent of the instructor.

347 ADVANCED CREATIVE WRITING**3 sem. hrs.**

Workshop format for individual projects; related theory. May repeat if content differs. Contact the Department to see when the following topics will be offered. Prerequisites: ENG 247 or graduate standing. A minimum of 45 hours completed or consent of the instructor.

**347A01 ADVANCED CREATIVE WRITING:
POETRY****3 sem. hrs.**

Workshop format for individual projects; related theory. Prerequisites: ENG 247 or graduate standing. A minimum of 45 hours completed or consent of the instructor.

**347A02 ADVANCED CREATIVE WRITING:
PROSE****3 sem. hrs.**

Workshop format for individual projects; related theory. Prerequisites: ENG 247 or graduate standing. A minimum of 45 hours completed or consent of the instructor.

**347A03 ADVANCED CREATIVE WRITING:
CREATIVE NONFICTION****3 sem. hrs.**

Workshop format for individual projects; related theory. Prerequisites: ENG 247 or graduate standing. A minimum of 45 hours completed or consent of the instructor.

348 PLAYWRITING**3 sem. hrs.**

Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as THE 348.

349 TECHNICAL WRITING II**3 sem. hrs.**

Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Computer-assisted. Also offered as TEC 349. Materials charge optional. Prerequisites: ENG 249 or graduate standing. A minimum of 45 hours completed or consent of the instructor.

350 VISIBLE RHETORIC**3 sem. hrs.**

Document design as a rhetorical activity and the application of theories of visible rhetoric to document production. Computer-assisted. Materials charge optional. Prerequisites: A minimum of 45 hours completed; ENG 239, 246, 247, or 249 or consent of the instructor.

351 HYPERTEXT**3 sem. hrs.**

Workshop using digital technologies to compose complex, multimodal, Web-based texts for a variety of rhetorical situations. Computer-assisted. Prerequisites: A minimum of 45 hours completed; ENG 239, 246, 247, or 249 or consent of the instructor.

**352 SELECTED FIGURES IN
GLOBAL LITERATURE****3 sem. hrs.**

Studies in literary figures, genres, or movements. May repeat if content different. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed or consent of the instructor.

353 TECHNICAL EDITING**3 sem. hrs.**

Theory and practice of editing and management of documentation in industry and other organizational settings. Computer assisted. Prerequisites: ENG 244 or COM 166; a minimum of 45 hours completed or graduate status or consent of the instructor.

**355 FORENSIC BIBLIOGRAPHY AND
ARCHIVAL EDITING****3 sem. hrs.**

History of print culture from orality to digital text; introduction to principles and practices of bibliographic investigation and scholarly editing. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed; or consent of the instructor.

357 STUDIES IN CREATIVE WRITING**3 sem. hrs.**

Survey of theories creative writers explicitly and implicitly employ and consider. Includes editing, analysis, and writing of creative and theoretical texts. Formerly *THEORIES OF CREATING WRITING GENESIS*. May be repeated if content is different; maximum of 9 semester hours. Prerequisites: Grade of B or better in any 200-level writing course; a minimum of 45 hours completed or graduate standing or consent of the instructor.

358 TOPICS IN PUBLISHING STUDIES**3 sem. hrs.**

Topics in specific theories, histories, trends, methodologies, practices, or figures in publishing. Not for credit if had ENG 354. Prerequisites: ENG 100 with a grade of C or better, ENG 102, and a minimum of 45 hours completed or consent of the instructor.

360 STUDIES IN WOMEN'S WRITING**3 sem. hrs.**

Studies in and theories of women's writing. May repeat if content differs; maximum 6 hours. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

**365 MOVEMENTS AND PERIODS IN
AFRICAN-AMERICAN LITERATURE
AND CULTURE****3 sem. hrs.**

Advanced critical study of major movements and periods in African-American literature. May repeat if content different. Prerequisites: Grade of C or better in ENG 100; ENG 102, a minimum of 45 hours completed, or consent of the instructor.

**370 STUDIES IN THE HISTORY OF
LITERATURE FOR YOUNG PEOPLE****3 sem. hrs.**

Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1945. May repeat if content different. Prerequisites: A minimum of 45 hours completed; ENG 170 or consent of the instructor.

**372 STUDIES IN CONTEMPORARY
LITERATURE FOR YOUNG PEOPLE****3 sem. hrs.**

Advanced critical examination of 20th and 21st century literature for children and young adults with emphasis on trends and research. May repeat if content different. Prerequisites: A minimum of 45 hours completed; ENG 170 or consent of the instructor.

373 POETRY FOR CHILDREN**3 sem. hrs.**

Poetry for children and early adolescents, including various categories, elements, and well-known poets in the field. May repeat if content different; maximum 6 hours. Prerequisites: A minimum of 45 hours completed, ENG 170, or consent of the instructor.

374 STORYTELLING**3 sem. hrs.**

The art of storytelling based on knowledge of folklore heritage with experiences in oral transmission of literature in a variety of settings. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

375 YOUNG ADULT LITERATURE**3 sem. hrs.**

Advanced critical examination of literature for young adults with emphasis on trends and research. May repeat if content is different. Prerequisite: A minimum of 45 hours completed or consent of the instructor.

378 SHAKESPEARE ON STAGE**3 sem. hrs.**

An intensive study of Shakespeare's plays in production. May repeat; maximum 6 hours. Also offered as THE 378. Prerequisites: Grade of C or better in ENG 100 and a minimum of 45 hours completed or consent of the instructor.

381 STUDIES IN LITERARY GENRES**3 sem. hrs.**

Advanced study in one or more literary types or genre. May be repeated if content different. Prerequisites: Grade of C or better in ENG 100; ENG 102, a minimum of 45 hours completed or consent of the instructor.

384 INTRODUCTION TO CULTURAL THEORY**3 sem. hrs.**

Introduction to the history and practice of cultural theory. Prerequisites: Grade of C or better in ENG 100; ENG 102, a minimum of 45 hours completed or consent of the instructor.

385 LIFE WRITING/NARRATIVE IN THEORY AND PRACTICE**3 sem. hrs.**

Theoretical and practical consideration of interdisciplinary field of life writing/narrative. Textual production and reception, representation, rhetoric, memory, narrative, genre. Formerly ENG 389.26. Prerequisites: ENG 246 or 247 or equivalent and a grade of C or better in ENG 100. A minimum of 45 hours completed or graduate standing or consent of the instructor.

386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL**3 sem. hrs.**

The English novel from its origins through the 18th century. Prerequisites: Grade of C or better in ENG 100; ENG 102, a minimum of 45 hours completed, or consent of the instructor.

391 ANCIENT RHETORICS**3 sem. hrs.**

Comparative theoretical study of ancient rhetorical traditions. Formerly *SURVEY OF CLASSICAL RHETORIC*. Prerequisites: Grade of C or better in ENG 100; ENG 102 and 283; a minimum of 45 hours completed or consent of the instructor.

392 CONTEMPORARY RHETORICAL THEORIES**3 sem. hrs.**

Study of the principles of rhetoric to serve as basis for understanding contemporary rhetorical theories. Formerly *MODERN THEORIES OF RHETORIC*. Prerequisites: Grade of C or better in ENG 100, ENG 102 and 283, a minimum of 45 hours completed, or consent of the instructor.

394 TESOL PRACTICUM**1-6 sem. hrs.**

Observation, case studies, tutoring, instructional assistance, and some teaching experience in English as a Second Language. Prerequisite: ENG 345.

395 PROBLEMS IN THE TEACHING OF ENGLISH**3 sem. hrs.**

Theory and practice in the teaching of language, literature, and composition at the secondary and community college levels. May repeat if content is different. Prerequisites: Grade of C or better in ENG 100; ENG 102, A minimum of 45 hours completed, or consent of the instructor, or experience in teaching (student teaching acceptable).

396 THE WRITING SEMINAR**3 sem. hrs.**

Concentration upon a major writing project and the formulation of an individual Writing Portfolio. Prerequisites: ENG 246, 247, or 249, or graduate standing or consent of the instructor. A minimum of 45 hours completed.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses. Directed independent study in an area of English Studies. Prerequisite: Consent of the instructor and graduate director.

401 INTRODUCTION TO GRADUATE STUDY**3 sem. hrs.**

Introduction to bibliography, methods of research, critical evaluation of scholarship, and recent developments in literary theory and criticism. Prerequisite: Graduate standing.

402 TEACHING COMPOSITION**3 sem. hrs.**

Introduction to theory, research, and practice in the teaching of composition. Required for students with teaching assistantships in composition at Illinois State University.

409 TEACHING OF WRITING IN HIGH SCHOOL/MIDDLE SCHOOL**3 sem. hrs.**

Improving the quality of writing instruction in middle and high schools. See various topics below. Prerequisite: Middle or Secondary School certification or consent of the instructor.

409A01 MAJOR FIGURES IN TEACHING WRITING IN HIGH SCHOOL/MIDDLE SCHOOL**3 sem. hrs.**

Prerequisite: Middle or Secondary School certification or consent of the instructor.

409A02 ISSUES OF GRAMMAR IN TEACHING WRITING IN HIGH SCHOOL/MIDDLE SCHOOL**3 sem. hrs.**

Prerequisite: Middle or Secondary School certification or consent of the instructor.

**409A03 WRITING ASSESSMENT IN HIGH SCHOOL/
MIDDLE SCHOOL**
3 sem. hrs.

Prerequisite: Middle or Secondary School certification or consent of the instructor.

**409A04 USING TECHNOLOGY TO TEACH
WRITING IN HIGH SCHOOL/
MIDDLE SCHOOL**
3 sem. hrs.

Prerequisite: Middle or Secondary School certification or consent of the instructor.

**409A05 APPLYING RHETORIC TO TEACHING
WRITING IN HIGH SCHOOL/MIDDLE SCHOOL**
3 sem. hrs.

Prerequisite: Middle or Secondary School certification or consent of the instructor.

409A06 THE WRITING PROJECT
3 sem. hrs.

Improving the quality of writing instruction in the middle and high schools. May be repeated for credit. Prerequisite: Middle or Secondary School certification or consent of the instructor.

**413 MEDIEVAL LITERATURES AND
CULTURES**
3 sem. hrs.

Topics in the literatures and cultures of England from the eighth to the sixteenth century.

**414 STUDIES IN SIXTEENTH-CENTURY
BRITISH LITERATURE**
3 sem. hrs.

Several important authors such as More, Sidney, and Spenser, or a particular literary movement or genre.

**415 STUDIES IN SEVENTEENTH-CENTURY
BRITISH LITERATURE**
3 sem. hrs.

Selected seventeenth-century writers such as Bacon, Donne, Jonson, Herbert, Bunyan, (excluding Milton), or a particular literary movement or genre.

**416 STUDIES IN EIGHTEENTH-CENTURY
BRITISH LITERATURE**
3 sem. hrs.

Important authors of the period, such as Dryden, Pope, Swift, Johnson, or a particular movement or genre.

**417 STUDIES IN ROMANTIC
BRITISH LITERATURE**
3 sem. hrs.

Selected movements, genres, or authors such as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats.

**418 STUDIES IN VICTORIAN BRITISH
LITERATURE**
3 sem. hrs.

Authors in the period 1832-1901, such as Browning, Carlyle, Tennyson, Mill, Arnold.

**419 STUDIES IN CONTEMPORARY
BRITISH LITERATURE**
3 sem. hrs.

Several figures such as Yeats, Joyce, Thomas, Pinter, or a movement or genre.

422 STUDIES IN SHAKESPEARE
3 sem. hrs.

Major critical problems in representative plays of Shakespeare.

427 STUDIES IN POETICS AND NARRATIVITY
3 sem. hrs.

Study of development and theories of poetic and narrative forms, emphasizing historical and cultural contexts. May be repeated for credit for a maximum of 6 hours.

428 STUDIES IN DRAMA
3 sem. hrs.

Advanced study in selected works and topics from English, American, and Continental drama. May be repeated if content is different.

**431 STUDIES IN EARLY AMERICAN
LITERATURES AND CULTURES**
3 sem. hrs.

Figures, movements, or genres in North American Literatures, including the colonial and early Republican periods and/or extra-colonial literatures.

**432 STUDIES IN MID-NINETEENTH-CENTURY
AMERICAN LITERATURES AND CULTURES**
3 sem. hrs.

Figures, movements, or genres in the North American literatures of the 1800s.

**433 STUDIES IN LATE-NINETEENTH- AND
EARLY-TWENTIETH-CENTURY AMERICAN
LITERATURES AND CULTURES**
3 sem. hrs.

Figures, movements, or genres in the North American literatures of the late-1800s and early-1900s.

**434 STUDIES IN TWENTIETH-CENTURY
AND CONTEMPORARY AMERICAN
LITERATURES AND CULTURES**
3 sem. hrs.

Figures, movements, or genres in the North American literatures of the twentieth and twenty-first centuries.

440 STUDIES IN ENGLISH LINGUISTICS
3 sem. hrs.

Advanced study and research in various aspects of the English language. May be repeated if content is different. Prerequisite: ENG 341 or equivalent.

**441 THE LINGUISTIC STRUCTURE OF ENGLISH
FOR TESOL PROFESSIONALS**
3 sem. hrs.

Advanced study of the morphology and syntax of Modern English in preparation for teaching English to speakers of other languages. Prerequisite: ENG 341.

**445 TEACHING OF COMPOSITION IN
THE COMMUNITY COLLEGE**
3 sem. hrs.

Methods for applying rhetorical theory to the teaching of writing.

447 CREATIVE WRITING SEMINAR
3 sem. hrs.

Practice in the writing of either poetry or fiction for graduate level or professional writers. May be repeated for a maximum of 12 hours. See topics available below. Prerequisite: Consent of the instructor.

447A01 POETRY
3 sem. hrs.

Practice of writing poetry. May be repeated. Prerequisite: Consent of the instructor.

447A02 PROSE
3 sem. hrs.

Practice of writing prose. May be repeated. Prerequisite: Consent of the instructor.

449 HISTORY AND THEORY OF TECHNICAL AND PROFESSIONAL WRITING
3 sem. hrs.

Reading and research in technical/professional communication emphasizing foundations in history, theory, culture, rhetoric, and technology.

450 STUDIES IN ANCIENT LITERATURE
3 sem. hrs.

Selected readings from antiquity, mostly Biblical and classical, with consideration of Eastern literature.

451 TOPICS IN TECHNICAL WRITING
3 sem. hrs.

Advanced study of selected topics in the theoretical and interdisciplinary underpinnings of technical writing. Prerequisite: ENG 349 or consent of the instructor.

452 THE TEACHING OF TECHNICAL WRITING
3 sem. hrs.

Inquiry into the issues, methods, and resources involved in teaching technical writing at the college level. Prerequisite: ENG 349 and either 449 or 451 recommended.

456 STUDIES IN WORLD LITERATURE
3 sem. hrs.

Figures, movements, or genres in World Literature. May be repeated if content is different.

457 CREATIVE WRITING PEDAGOGY
3 sem. hrs.

Theory and practice of the teaching of creative writing at the post-secondary level. Not for credit if had ENG 367. Prerequisites: Graduate standing or consent of the instructor.

460 FEMINIST LITERARY THEORIES
3 sem. hrs.

Advanced overview of interdisciplinary feminist paradigms, emphasizing English Studies and literature, theory, and social discourse.

465 STUDIES IN AFRICAN AMERICAN LITERATURE AND CULTURE
3 sem. hrs.

Figures, genres, or critical-historical issues in African American literature and culture from the Middle Passage to the present. May be repeated if content is different.

466 NATIVE AMERICAN DISCOURSES, LITERATURES, AND RHETORICS
3 sem. hrs.

Native American discourses as a central world-intellectual complex. Trends in Native American Studies; theories and ethics in research pedagogy. Prerequisite: Master's or doctoral student in any department or school or consent of the instructor.

467 TECHNOLOGY AND ENGLISH STUDIES
3 sem. hrs.

Critical examination of the impact of digital technology on a selected field within English Studies. Prerequisite: ENG 401 or consent of the instructor.

470 STUDIES IN CHILDREN'S LITERATURE
3 sem. hrs.

Topics in texts for children and adolescents: genres, authors, critical approaches, themes, or historical developments. May be repeated if content is different.

471 CRITICAL THEORIES IN CHILDREN'S LITERATURE
3 sem. hrs.

An introduction to the issues of critical theory in children's and adolescent literature. May be repeated if content is different.

482 STUDIES IN LITERARY CRITICISM AND THEORY
3 sem. hrs.

Problems or topics in literary criticism and theory. May be repeated if content is different.

483 STUDIES IN CULTURAL RHETORICS
3 sem. hrs.

Advanced theoretical study of intersections among rhetorics, cultures, and systems of power. May be repeated if content is different. Formerly *STUDIES IN RHETORIC AND STYLE*. Prerequisite: ENG 391 or 392 or equivalent, or consent of the instructor.

486 STUDIES IN THE ENGLISH NOVEL
3 sem. hrs.

Topics in the development of the English novel, with attention to particular techniques, figures, themes or movements. May be repeated if the content is different.

487 STUDIES IN THE AMERICAN NOVEL
3 sem. hrs.

Topics in the development of the American novel, with attention to particular techniques, figures, themes or movements. May be repeated if the content is different.

491 INTERNSHIP IN COLLEGE TEACHING OF ENGLISH
3 sem. hrs.

Supervised teaching at a cooperating community college or university. Credit for the course is given in the School of Teaching and Learning (see TCH 491).

494 WRITING ASSESSMENT IN COLLEGES AND UNIVERSITIES
3 sem. hrs.

History, theory, and practice of post-secondary writing assessment. Grading students' writing, large-scale writing assessment, and writing assessment across the curriculum.

495 TOPICS IN ENGLISH
1-3 sem. hrs.

Advanced study and research in an announced area of language or literature. May be repeated if content is different.

496 THEORY AND RESEARCH IN RHETORIC AND COMPOSITION STUDIES**3 sem. hrs.**

Advanced study of recent theory and research in Rhetoric and Composition Studies. May be repeated if content different; maximum of 12 hours.

497 RESEARCH METHODS IN COMPOSITION STUDIES**3 sem. hrs.**

Current research issues and methods in composition studies, with emphasis on experimental, formalistic, and naturalistic designs. Prerequisite: ENG 402 or consent of the instructor.

498 PROFESSIONAL PRACTICE: INTERNSHIP IN ENGLISH**1-12 sem. hrs.**

Refer to the Index for General Courses. Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations. Prerequisite: Consent of the instructor.

498A90 PROFESSIONAL PRACTICE: INTERNSHIP IN ENGLISH IN FINAL YEAR**1-12 sem. hrs.**

Refer to the Index for General Courses. Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations. Prerequisite: Consent of the instructor.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to the Index for General Courses. Directed independent study in an area of English Studies. Prerequisite: Consent of the instructor and graduate director.

510 SEMINAR IN ENGLISH STUDIES PEDAGOGY**4 sem. hrs.**

Research and study of pedagogical theory in post-secondary English Studies with emphasis on developing self-reflexive pedagogy. Prerequisites: Completion of at least two 500-level seminar courses and teaching experience.

540 SEMINAR IN LINGUISTICS AND LANGUAGE STUDY**4 sem. hrs.**

Research in descriptive, historical, applied, or theoretical linguistics, within the context of English Studies. Prerequisite: ENG 341 or equivalent.

560 SEMINAR IN LITERATURE AND CULTURE**4 sem. hrs.**

Research in selected areas of literary and/or cultural study framed within the contexts of pedagogy and English Studies.

590 SEMINAR IN RHETORIC AND COMPOSITION STUDIES**4 sem. hrs.**

Research in the configurations of rhetoric and composition studies, with emphasis on English Studies and the post-secondary teaching of writing. Prerequisites: ENG 391, 392, 402, or 400-level composition course.

591 PRACTICUM (INTERNSHIP) IN COLLEGE TEACHING**4 sem. hrs.**

Teaching of lower-division English courses with emphasis upon new techniques; under faculty direction, at Illinois State University or off campus; in conjunction with tutorial meetings. Prerequisite: Completion of doctoral coursework.

599 DOCTORAL RESEARCH**1-15 sem. hrs.**

Refer to the Index for General Courses. Research involving the gathering of materials and data and the writing of a dissertation.

599A01 RESEARCH AND DISSERTATION**1-15 sem. hrs.**

Refer to the Index for General Courses. Research involving the gathering of materials and data and the writing of a dissertation.

599A90 RESEARCH AND DISSERTATION FINAL TERM**1 sem. hr.**

Refer to the Index for General Courses.

GEOGRAPHY-GEOLOGY (GEO)

206 Felmley Hall, (309) 438-7649
GEO.IllinoisState.edu

Chairperson: Dagmar Budikova. Office: 206 Felmley Hall.

Graduate Program Director: Eric Peterson.

Graduate Faculty: Banik, Budikova, Day, Dogwiler, Himley, Kostelnick, Malone, Miller, Nelson, O'Reilly, Orzeck, Peterson, Pugin, Rowley, Thayne, Tranel.

Master of Science in Hydrogeology

The M.S. in Hydrogeology is the sole graduate program offered by the department and focuses specifically on groundwater as a dynamic resource and as a component of environmental science. The program prepares graduates for careers in the areas of groundwater resources, the environmental protection of those resources, and environmental problems of a hydrogeologic nature, or for advanced study.

Unconditional admission to the program requires students to have completed a baccalaureate degree in geology or earth science. Students with degrees from other natural sciences and engineering may apply, and course deficiencies will be determined from transcript evaluation. A plan of study will be developed to allow students to overcome any deficiencies. A minimum of two courses each in chemistry, physics and calculus is required for unconditional admission. A minimum of a B grade average in prior geology coursework is also required. Scores from the general aptitude (only) Graduate Record Exam, transcripts of all college level coursework, a statement of purpose, and three letters of recommendation must be submitted. The statement of purpose will be submitted electronically during the online application process. Letters of recommendation forms may be downloaded from the Hydrogeology Program Web page or requested by mail. The letter of recommendation forms are mailed directly to the Department. Admission standards of the Graduate School must be met.

Master's degree candidates may choose either of two options.

Option 1: Thirty-two hours of credit and the completion and oral defense of a written master's thesis.

Option 2: Thirty-two hours of credit and a comprehensive examination.

Each option requires the completion of a group of core courses (18 hours): GEO 360, 410, 435, 439, 456, and 488. Option 1 requires 4-6 credits of thesis research GEO 499. Students who are admitted into the program with undergraduate credit in GEO 360 will be required to take an additional graduate course. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Hydrogeology Geographic Information Systems (GIS) Graduate Certificate

Graduate students in the Department of Geography-Geology may elect to pursue a Hydrogeology GIS Graduate Certificate. To earn the certificate, the student must take and successfully complete GEO 303, 304, and 305.

Hydrogeology Courses

303 GEOGRAPHIC INFORMATION SYSTEMS

3 sem. hrs.

Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis.

304 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS

3 sem. hrs.

Advanced applications in geographic information systems (GIS) with an emphasis on problem solving, advanced GIS analysis techniques, and a survey of vector- and raster-based GIS software and databases. Prerequisite: GEO 303; MAT 120 is recommended.

305 REMOTE SENSING I

3 sem. hrs.

Basic principles of remote sensing, image interpretation, photogrammetry, and digital image processing. Prerequisites: GEO 238, or consent of the instructor.

306 REGIONAL AND AREA STUDIES

1-9 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and people. Field work required. Prerequisite: Consent of the instructor.

306A15 REGIONAL AND AREA STUDIES: WEST TEXAS/NEW MEXICO

1-9 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and peoples. Field work required. Prerequisite: Consent of the instructor.

306A19 REGIONAL AND AREA STUDIES: PETROLEUM GEOLOGY OF ILLINOIS

2-4 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and peoples. Field work required. Prerequisite: Consent of the instructor.

306A20 REGIONAL AND AREA STUDIES: MIDCONTINENT TETONICS AND SEISMOLOGY

2-3 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and peoples. Field work required. Prerequisite: Consent of the instructor.

306A22 REGIONAL AND AREA STUDIES: GEOGRAPHY OF CHICAGO

3 sem. hrs.

Intensive on-site study of particular lands, environments, cultures, and peoples. Field work required. Prerequisite: Consent of the instructor.

308 STATISTICS FOR GEOGRAPHERS II

3 sem. hrs.

Use and interpretation of basic statistical techniques in geographical problems. Formerly *QUANTITATIVE METHODS IN GEOGRAPHY II*. Prerequisites: GEO 238; MAT 120 or higher recommended.

313 ENERGY AND SUSTAINABILITY**3 sem. hrs.**

Human geographic study of energy, covering political, economic, environmental, and societal aspects of energy. Includes sustainability and energy security. Prerequisite: GEO 205 or consent of the instructor.

341 CLIMATE AND GLOBAL ENVIRONMENTAL CHANGE**3 sem. hrs.**

Overview of concepts, methods, theory, and debates surrounding climate and global environmental change. Prerequisite: GEO 100 or consent of the instructor.

342 ECONOMIC GEOGRAPHY**3 sem. hrs.**

This course investigates the dynamics of the global economy as well as the processes and actors that shape its spatial organization. Prerequisites: GEO 135 or 142 or consent of the instructor.

344 BIOGEOGRAPHY: DISTRIBUTION OF LIFE**3 sem. hrs.**

Theory and application of the geographic distribution of plants and animals and processes that cause these distributions. Lecture and Lab. Prerequisite: GEO 100 or consent of the instructor.

360 GROUNDWATER GEOLOGY**3 sem. hrs.**

Groundwater occurrence and movement, aquifer evaluation, field and lab measurements, contamination and other applications. Field trips required. Prerequisites: GEO 203; MAT 146.

361 HYDROLOGY**3 sem. hrs.**

Introduction to hydrology, including all components of the hydrologic cycle, field and lab measurements, data acquisition, and quantitative problem solving. Three Saturday field trips required. Prerequisite: MAT 145 or consent of the instructor.

362 ENGINEERING GEOLOGY**3 sem. hrs.**

Engineering applications of geology, construction problems of geologic origin and their engineering solutions. Field trips required. Prerequisites: GEO 203; MAT 146; and PHY 108 or consent of the instructor.

364 EXPLORATION GEOPHYSICS**3 sem. hrs.**

Principles of exploration geophysics and the techniques that are used to study subsurface environments. Subjects reviewed include: stress and strain, information theory, seismic, gravity, magnetics, electrical resistivity, electromagnetic conductivity, ground penetrating RADAR, and borehole logging. Prerequisites: GEO 203; MAT 146, and PHY 108 or consent of the instructor.

380 GEOMORPHOLOGY**3 sem. hrs.**

Origin, classification, description, and interpretation of landforms. Field trips required. Prerequisite: GEO 100 or 102.

382 GLACIAL AND QUATERNARY GEOLOGY**3 sem. hrs.**

Development of glaciers, glacial movements, deposits, and landforms as background for discussion of present landscapes. Field trips required. Prerequisite: GEO 100 or 102.

385 INVERTEBRATE PALEONTOLOGY**4 sem. hrs.**

Examination and analysis of major fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance. Lecture and lab. Field work required. Prerequisite: GEO 203; BSC 196 is recommended.

395 FIELD GEOLOGY**6 sem. hrs.**

Application of geologic principles to field mapping and interpretation in the Black Hills and Central Rocky Mountains. Offered in the summer only. Prerequisites: Grade of C or better in GEO 280, 285, 290, 295, and 296.

410 SEMINAR IN HYDROGEOLOGY RESEARCH**3 sem. hrs.**

How research is conducted in hydrogeology; formulating questions, designing experiments, writing and evaluating research proposals, and obtaining funding. Prerequisite: Graduate standing in Hydrogeology.

435 INTRODUCTION TO GROUNDWATER MODELING**3 sem. hrs.**

Advanced study of the mathematics of fluid flow and the formulation of groundwater systems by computer modeling. Methods of computer modeling of pumping tests and groundwater flow systems. Materials charge optional. Prerequisites: GEO 360.

439 AQUEOUS GEOCHEMISTRY**3 sem. hrs.**

Examination of processes controlling chemical composition of groundwater from a thermodynamic point of view. Display and interpretation of geochemical data, and geochemistry of contaminants. Prerequisites: GEO 360, CHE 140, 141 or consent of the instructor.

444 APPLIED GROUNDWATER MODELING**3 sem. hrs.**

Applications of groundwater computer models to simulate flow, optimize development strategies, and remediate pollution problems in actual aquifers systems. Students assemble available information, develop and run computer simulations, and prepare professional reports. Prerequisite: GEO 435.

456 PROBLEMS IN ENVIRONMENTAL GEOLOGY**3 sem. hrs.**

Students gain first-hand experience in collecting hydrogeologic data, reducing and displaying data, making interpretations and drawing conclusions, and producing a professional report of findings. Offered in summer only. Field trip and field work required. Prerequisite: Consent of the instructor.

488 GRADUATE TOPICS IN HYDROGEOLOGY**3 sem. hrs.**

Specific topics having hydrogeologic consequences. See the following topics.

488A01 WATER RESOURCE AND ENVIRONMENTAL LAW**3 sem. hrs.**

A review of the federal and state laws focusing on water resources.

488A02 AQUIFER SYSTEMS IN CLASTIC AND CARBONATE ROCKS**3 sem. hrs.**

Discussion of current scientific literature focusing on aquifer systems of North America.

488A03 ANALYTICAL METHODS IN GROUNDWATER GEOCHEMISTRY**3 sem. hrs.**

Overview and practical application of field and laboratory analysis of surface and groundwater samples.

488A04 STATISTICS FOR GEOLOGISTS**3 sem. hrs.**

Overview of statistical methods used in geoscience research.

488A06 KARST HYDROGEOLOGY**3 sem. hrs.**

Focus on the geology and hydrogeology of karst areas, with focused discussion on current scientific literature.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL YEAR**1-6 sem. hrs.**

Refer to the Index for General Courses.

The following Geography-Geology courses are appropriate to master's students in programs other than Hydrogeology.

300 CARTOGRAPHY**3 sem. hrs.**

Theory and techniques regarding graphic representation of statistical data, including compilation, drafting, and reproduction of various types of thematic maps. Drafting supplies required.

310 FIELD GEOGRAPHY**3 sem. hrs.**

Techniques for the systematic acquisition and interpretation of geographic field data. Includes an introduction to Orienteering. Field work required. Prerequisites: 9 hours of Geography coursework and fieldwork is required.

331 CULTURAL GEOGRAPHY**3 sem. hrs.**

Advanced course in the field and methodology of cultural geography, with an emphasis on the study of place and culture in a globalizing world. Field trip required. Prerequisite: GEO 142 or consent of the instructor.

334 POLITICAL ECOLOGY**3 sem. hrs.**

Critical examination of how socio-political and economic systems, processes, and practices are linked globally with contemporary environmental problems. Prerequisite: GEO 205 or consent of the instructor.

336 URBAN GEOGRAPHY**3 sem. hrs.**

Internal morphology, external relationships, and other spatial aspects of cities. Prerequisite: A minimum of 45 hours completed.

351 CARTOGRAPHIC DESIGN**3 sem. hrs.**

Advanced techniques in design, production and reproduction of maps. Formerly *CARTOGRAPHIC PROCESSES*. Materials charge optional. Prerequisite: Grade of B or better in GEO 300.

366 VOLCANIC PROCESSES**3 sem. hrs.**

Semester-long seminar course. Nature, behavior, and origin of volcanoes. Magmatic and eruptive processes and volcano construction. Impact of volcanism on Earth's environment. Prerequisites: GEO 280 and 285 or consent of the instructor.

HISTORY (HIS)

301 Schroeder Hall, (309) 438-5641
History.IllinoisState.edu

Chairperson: Anthony Crubaugh.

Graduate Program Director: Amy Wood. Office: 307B, Schroeder Hall.

Graduate Faculty: Adedze, Ciani, Clemmons, Crubaugh, Gifford, Hartman, He, Hughes, Jasper, Kennedy, Lessoff, Nassar, Noraian, Olsen, Paehler, Reda, Reed, Reger, Soderlund, Topdar, Tsouvala, Varga-Harris, Winger, Wood.

Master's Degree in History

Admission Requirements

The department requires for admission to the master's program an undergraduate degree in history or a related field; 3.0 GPA in the last 60 hours of undergraduate work and any graduate credits earned; a sample of written work of at least five pages; two letters of recommendation; and a letter of application (optimum length 250 words) describing the candidate's background, interests, and objectives. Admissions applications and transcripts should be sent to the Office of Admissions. Writing sample and letter of application should be attached electronically to the online application. Letters of recommendation should be sent to the Graduate Secretary, Illinois State University, Department of History, Campus Box 4420, Normal IL 61790-4420. The application deadline is January 31 for fall admission.

Degree Requirements

The master's program in History offers two degrees and two options.

A student may pursue either of the two degrees.

Master of Arts: This degree is awarded to a student who has completed one of the options (Option 1 or Option 2) described below, a minimum of two years of study in foreign language at the university level (equivalent of completion of LAN 116) or a satisfactory score on a university administered foreign language test, and a minimum of 32 semester hours of graduate-level credit in humanities and social sciences beyond the language requirement.

Master of Science: This degree is awarded to a student who has completed one of the options described below.

A student may meet the degree's capstone requirement in one of two ways. By the end of their first semester of study, students should declare their choice of option to the department's Graduate Director.

Option 1: Thesis. Thirty-two (32) hours, including HIS 496 Philosophy of History and Historiography (4 hours); HIS 499 Thesis (4-6 hours); and a minimum of 20 additional hours at the 400 level. Students choosing this option are strongly advised to take no more than one 300-level course.

The thesis may be based on research in primary sources or may be an analysis of a selected problem from historical literature.

Option 2: Field of Study. Thirty-nine (39) hours, including HIS 496 Philosophy of History and Historiography (4 hours); HIS 490 Readings—Field of Study (4 hours); and a minimum of 20 additional hours at the 400 level.

In HIS 490, the student will thoroughly explore a topic of history under the supervision of a member of the department's faculty. The student's mastery of the topic will be assessed in a final examination. Students undertaking this option must receive no less than a grade of B in HIS 490.

In addition, Field of Study students must complete a research paper in one of the department's courses. At the discretion of the professor, the research paper is to be completed in addition to or in place of whatever other written or other assignments might be required in the course. The courses that may be taken to meet this requirement and the requirements that the research papers must meet are found in the department's most recently issued "Planning for and Completing the Master's Program in History." Prior consent of the professor is required for registration in the course for which the student plans to complete the Field of Study research paper.

Areas of Specialization in Master's Study

Students are encouraged to focus their studies on some of the distinctive areas of strength in the department's graduate curriculum. These include European cultural and social history; history education; global history and the contemporary world; and the Americas. Although the program does not have a formal "breadth" requirement, students are also encouraged to look beyond their area of specialization. For example, those focusing on the Americas should take courses in European and global history, and vice-versa.

Students are strongly advised to take graduate courses in other related disciplines such as Art; English; Languages, Literatures, and Cultures; Philosophy; Politics and Government; and Sociology-Anthropology. Up to eight hours of credit from classes in other departments may be used in History master's degree programs providing written permission is received from the History graduate director prior to enrollment and the courses are included on the approved Degree Audit.

History Courses

306 REGIONAL AND AREA STUDIES 1-9 sem. hrs.

Intensive study of particular lands, environments, cultures, and peoples. May be repeated if content is different, for maximum of 6 semester hours. Materials charge optional. Prerequisite: Any 200-level HIS course or consent of the instructor.

307 SELECTED TOPICS IN NON-WESTERN HISTORY 3 sem. hrs.

The study of non-Western history through a topical approach. Topics will vary from semester to semester. May be repeated if content is different, for a maximum of 6 semester hours. Prerequisite: HIS 104 or 200 or consent of the instructor.

308 SELECTED TOPICS IN EUROPEAN HISTORY
3 sem. hrs.

The study of European history through a topical approach. Topics will vary from semester to semester. May be repeated if content is different, for a maximum of 6 semester hours. Prerequisites: HIS 101, 102, and 200 or consent of the instructor.

309 SELECTED TOPICS IN UNITED STATES HISTORY
3 sem. hrs.

This course focuses on a specific topic or era of United States history, emphasizing conflicting interpretations and use of primary sources. May be repeated for credit if topic is different. Prerequisites: HIS 135, 136, and 200 or consent of the instructor.

310 NATIVE AMERICAN HISTORY
3 sem. hrs.

An examination of the major themes and events of Native American history and culture from pre-Columbian times to the present. Prerequisite: HIS 135 or 136, or consent of the instructor.

311 AGE OF THE AMERICAN REVOLUTION
3 sem. hrs.

The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.

315 SLAVERY AND THE OLD SOUTH
3 sem. hrs.

Historiography of slavery and the pre-Civil War South. Prerequisite: HIS 135 or 257 or consent of the instructor.

320 LINCOLN: THE MAN AND HIS TIMES
3 sem. hrs.

Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationship with people and events of his time. Prerequisite: Any 200-level American History course or consent of the instructor.

322 AMERICAN URBAN HISTORY
3 sem. hrs.

Survey of the history of the American city from the Colonial Era to the present. Prerequisite: One of the following: ECO 238; GEO 204; HIS 200; POL 209; SOC 271; or consent of the instructor.

323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1620-1860
3 sem. hrs.

American progress in the fine arts, philosophy, literature, and science from Puritan times to 1860. Prerequisite: HIS 135 or consent of the instructor.

324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY, 1860-PRESENT
3 sem. hrs.

The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860. Prerequisite: HIS 136 or consent of the instructor.

328 THE MODERN CIVIL RIGHTS MOVEMENT, 1933 - 1968
3 sem. hrs.

An examination of the evolution of Afro-Americans' struggle for political, social, and economic equality between 1933 and 1968. Prerequisite: HIS 135 or 136 or consent of the instructor.

330 THE FAMILY IN HISTORY
3 sem. hrs.

History of the family in Europe and America, viewing the changes from idealist, economic determinist, family systems, and psychoanalytic perspectives. Prerequisite: Any 100- or 200-level History course or consent of the instructor.

335 THE HOLOCAUST: THE EVENT AND ITS AFTERMATH
3 sem. hrs.

Study of the Holocaust, frequently regarded as the defining event of the 20th century, its pre-history and its aftermath.

336 GENOCIDE STUDIES
3 sem. hrs.

This course focuses on genocide/mass violence and political, legal, and societal responses to it. Prerequisites: HIS 102 or 107 or consent of the instructor.

337 EUROPEAN HISTORY AND FILM
3 sem. hrs.

The class investigates representations of European history in international films, emphasizing feature films. Prerequisites: HIS 101 or 102 or 107 or consent of the instructor.

345 FRENCH REVOLUTION AND NAPOLEON: 1789-1815
3 sem. hrs.

Society, culture, and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France. Prerequisite: HIS 102 or consent of the instructor.

350 WOMEN AND SEXUALITY IN ANCIENT GREECE AND ROME
3 sem. hrs.

An exploration of sources, methodologies, and debates concerning women, gender, and sexuality in ancient Greece and Rome. Prerequisites: HIS 101 or consent of the instructor.

356 THE ENLIGHTENMENT
3 sem. hrs.

Intellectual and social history of the western world during the eighteenth century. Prerequisite: HIS 102 or consent of the instructor.

366 SOVIET RUSSIA
3 sem. hrs.

Study of communist revolution, culture, and dictatorship and its transformation into a contemporary European democracy.

367 GLOBAL CONFLICT 1914-1941
3 sem. hrs.

Survey of international politics from the First World War to the beginning of World War II.

373 HISTORY OF MODERN CHINA
3 sem. hrs.

Concentrates on the Western and Chinese collision since the 1800s and the responses of traditional, national, and contemporary China to modernization.

375 HISTORY OF MODERN JAPAN
3 sem. hrs.

Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.

**390 HISTORY-SOCIAL SCIENCE
TEACHING METHODOLOGY II**
3 sem. hrs.

History-Social Sciences materials, use of instructional models, and clinical experiences. Must be completed prior to student teaching. Includes clinical experiences. Prerequisites: Grade of C or better in HIS 290 and TCH 216. Admission to Student Teaching.

395 ARCHIVES AND MANUSCRIPTS
3 sem. hrs.

Nature, acquisition, processing, and use of archives and manuscripts. Emphasis on theory and principles with practical exercises. Prerequisite: Any 200-level HIS course or consent of the instructor.

402 SEMINAR IN EUROPEAN HISTORY
4 sem. hrs.

Prerequisite: Graduate standing. May be repeated if content is different.

**403 SEMINAR: TOPICS IN EARLY MODERN
EUROPEAN HISTORY**
4 sem. hrs.

Advanced study of selected topics and geographical regions of Europe from 1450-1789. May be repeated if topic is different.

405 PRACTICUM IN HISTORY TEACHING
4 sem. hrs.

Pedagogic instruction in the theory and practice of teaching. Includes participation in instructing in the classroom. Prerequisite: Consent of History graduate advisor.

**407 MENTORSHIP IN THE TEACHING
OF HISTORY AND THE
SOCIAL SCIENCES**
1-3 sem. hrs.

Practicing classroom teachers design mentoring strategies for pre-service teachers seeking undergraduate and graduate degrees. May be repeated for credit. Prerequisite: Consent of the instructor.

**411 SEMINAR: TOPICS IN EARLY
AMERICAN HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisite: Graduate standing.

**412 SEMINAR: TOPICS IN NINETEENTH-CENTURY
UNITED STATES HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisite: Graduate standing.

**414 SEMINAR: CIVIL WAR AND
RECONSTRUCTION**
4 sem. hrs.

Prerequisite: Graduate standing.

**417 SEMINAR: TOPICS IN TWENTIETH-CENTURY
UNITED STATES HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisite: Graduate standing.

**421 SEMINAR: TOPICS IN AMERICAN RACIAL
AND ETHNIC HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisites: HIS 273 or consent of the instructor. Graduate standing.

**424 SEMINAR: TOPICS IN AMERICAN
CULTURAL AND SOCIAL HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisite: Graduate standing.

428 SEMINAR: AMERICAN DIPLOMACY
4 sem. hrs.

Prerequisite: Graduate status.

**432 SEMINAR: TOPICS IN LOCAL
AND PUBLIC HISTORY**
4 sem. hrs.

May be repeated if content is different. Prerequisite: Graduate standing.

**441 SEMINAR: EUROPEAN
INTELLECTUAL HISTORY**
4 sem. hrs.

Prerequisite: Graduate standing.

468 SEMINAR: MODERN RUSSIA
4 sem. hrs.

Prerequisite: Graduate standing.

478 SEMINAR: TOPICS IN GLOBAL HISTORY
4 sem. hrs.

Advanced study of selected topics in the history of Africa, Asia, indigenous peoples, Latin America, and the Middle East in global context. May be repeated if content is different.

490 READINGS -- FIELD OF STUDY
4 sem. hrs.

Directed readings to be taken in pursuit of the "Field of Study" option for the master's degree in history. Prerequisites: HIS 496; consent of the instructor; prior approval of department Graduate Director.

**496 PHILOSOPHY OF HISTORY
AND HISTORIOGRAPHY**
4 sem. hrs.

Examination of the philosophical bases for historical study with review of the development of historical knowledge and the historical profession. Prerequisite: Graduate standing.

497 RESEARCH IN HISTORY
4 sem. hrs.

Within a topic-based seminar students will study historical methods and write a research paper. Prerequisite: Graduate standing.

**498 PROFESSIONAL PRACTICE:
PUBLIC/APPLIED HISTORY**
1-12 sem. hrs.

Refer to the Index for General Courses. Supervised practical experience in a professional capacity in archives, business, government, historic preservation, historical archeology, historical editing, historical society or museum work. Prerequisites: Completion of 10 hours of graduate coursework including HIS 497 and one seminar; completion of application procedures. Graduate standing.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS
1-5 sem. hrs.

Refer to the Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM
1-3 sem. hrs.

Refer to the Index for General Courses.

LANGUAGES, LITERATURES, AND CULTURES (LAN)

114 Stevenson Hall, (309) 438-3604
LAN.IllinoisState.edu

Chairperson: Bruce Burningham. Office: 114 Stevenson Hall.
Graduate Program Director: Benjamin Schmeiser.
Graduate Faculty: Burningham, Davis, Druker, Enriquez, Hildebrandt, Howell, Lascurain, Lynd, Mir, Nance, Pancrazio, Pao, Ponnou-Delaffon, Schmeiser, Segelcke, Shively, Thomas, van der Laan, Weeks.

Master of Arts in Languages, Literatures, and Cultures

The Department of Languages, Literatures, and Cultures offers a flexible program leading to the Master of Arts in Languages, Literatures, and Cultures with a focus in either teaching or non-teaching areas. Students may concentrate on either French or Spanish. Subject to departmental approval, it is also possible to take up to three graduate courses in other departments or through study abroad. Additional opportunities include earning a certificate in TESOL (Teaching English to Speakers of Other Languages) and teacher licensure. Within the particular language concentration students must choose one of two areas of emphasis: (1) Literary and Cultural Studies, or (2) Theoretical and Applied Linguistics. Instruction in courses is generally carried out in the language of concentration, with the exception of the core courses. Details about program design and course offerings are available from the Department. All individual programs require approval of the Graduate Program Director and the Chairperson.

Admission Requirements

Applicants must have a minimum GPA of 3.0 for the last 60 hours of undergraduate work. In addition to submitting to Admissions the application, transcripts, and test scores where applicable, they should send the following directly to the Department: two letters of recommendation, preferably from those familiar with the applicant's potential for graduate study; a personal statement written in English or the target language; and a graded writing sample, which can be a photocopy of a paper written for an upper-level course in the target language. Candidates for the program will customarily have an undergraduate major or equivalent in the area they want to pursue. Graduate School admissions requirements are listed elsewhere in this catalog. The Department of Languages, Literatures, and Cultures reserves the right to examine applicants in order to ensure that they are able to understand, speak, and write the language of study with appropriate proficiency. In certain cases, additional coursework may be required to correct deficiencies.

Academic Requirements

Keeping in mind that individual courses may count in multiple categories below, all candidates for the Master of Arts in Languages, Literatures, and Cultures must take at least 9 credit hours in the designated core courses; at least 9 credit hours in the area of emphasis (i.e., Literary and Cultural Studies or Theoretical and Applied Linguistics); at least 18 credit hours in the language of concentration (per multi-state teaching requirements); at least 18 credit hours at the 400 level; and sufficient electives to complete a minimum of 33 credit hours of coursework with an average 3.0 GPA. Additionally all candidates

must pass a comprehensive exam or complete a master's thesis. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.** Details about academic requirements are as follows:

Minimum of 33 total hours.

Core courses: Select 3 courses (9 credit hours) from the following: LAN 405, 475, 485, 490.

Language Concentration: Select courses (to total at least 18 graduate credit hours) in French (includes 300 or 400 level courses labelled FRE) or Spanish (includes 300 or 400 level courses labeled SPA).

400-level non-thesis hours: Select 18 credit hours of any 400-level courses in FRE, SPA, or LAN, except 499 Thesis Research.

Areas of Emphasis: Within specific language concentration, select courses to total at least 9 credit hours in Literary and Cultural Studies or Theoretical and Applied Linguistics.

French Concentration with Area of Emphasis:

French Literary and Culture Studies (at least 9 hours): FRE 305, 314, 325, 327, 328, 385, 386, 405, 420, 450, 460; LAN 405, 490.

or

French Theoretical and Applied Linguistics (at least 9 hours): FRE 335, 340, 341; LAN 319, 320, 321, 350, 475, 480.

Spanish Concentration with Area of Emphasis:

Spanish Literary and Culture Studies (at least 9 hours): SPA 305, 323, 324, 326, 327, 336, 337, 385, 405, 411, 415, 418, 431, 434, 470, 484; LAN 405, 490. or

Spanish Theoretical and Applied Linguistics (at least 9 hours): SPA 310, 311, 360, 370, 421, 425; LAN 319, 320, 321, 350, 475, 480.

NOTE: Individual courses may count in multiple categories; for instance, FRE 405 simultaneously fulfills hours in primary language, 400-level non-thesis, area of emphasis for French Literature/Culture, and total hours.

Graduate Electives as needed to reach a program total of 33 graduate hours: Any 300-400 level graduate courses in FRE, SPA, or LAN. With the approval of the graduate coordinator, electives may include 300 or 400 level graduate courses from other departments (note that not all 300-level courses in other departments count for graduate credit; check the graduate catalog for graduate credit designation).

Degree completion beyond coursework: Students may choose either to take comprehensive exams or, with departmental approval, complete a master's thesis.

Graduate Certificate in Instructional Technology in World Languages

The graduate certificate in Instructional Technology in World Languages is designed to offer knowledge of instructional technology in the teaching of foreign/second languages. Nine

(9) hours are required to earn the certificate, which include the following: one required course LAN 321 (3 hours); two elective courses (6 hours) from: TCH 401, 432, 438. Graduate standing and a grade of B or better in coursework are required.

Study Abroad

Students may count up to nine hours of approved courses from outside the department, including study abroad, toward degree requirements. Financial assistance for the semester abroad is usually available on a competitive basis, subject to availability of funds. The study-abroad opportunity should be discussed with the Graduate Advisor during the student's first semester in the program.

Language of Instruction in Courses in the Department of Languages, Literatures, and Cultures:

Because the Department of Languages, Literatures, and Cultures promotes the acquisition of world languages, the official language of instruction and class discussion will be the language of study in the majority of cases. Courses with the LAN prefix are taught in English.

The language of instruction is designated on the registration system by subject abbreviation and course title. LAN is for English; FRE is for French; GER is for German; and SPA is for Spanish.

General Courses (LAN)

300 RESEARCH IN FOREIGN LANGUAGES 1-3 sem. hrs.

Supervised work in a foreign language, in comparative language studies or in educational materials for the foreign language laboratory. Assignments will depend on the preparation and interest of the student. May be repeated if content is different. Prerequisite: Consent of the department chairperson.

319 PRINCIPLES IN WORLD LANGUAGE LEARNING 3 sem. hrs.

Exploration of current K-12 world language pedagogical practices and second language acquisition theories. Formerly *PRINCIPLES IN FOREIGN LANGUAGE LEARNING*. Prerequisites: To be taken concurrently with LAN 320. Grade of B or better in FRE 235, SPA 213, or GER 310. Grade of C or better in TCH 210 and TCH 216 or concurrent registration. Admission to Professional Studies. Advanced low or above on the Oral Proficiency Interview.

320 WORLD LANGUAGE TEACHING IN THE K-12 SETTING 3 sem. hrs.

Practical implementation of K-12 world language teaching techniques. Includes Clinical Experience: 50 hours. Formerly *FOREIGN LANGUAGE TEACHING IN THE K-12 SETTING*. Prerequisites: To be taken concurrently with LAN 319. Grade of B or better in FRE 235 or SPA 213 or GER 310. Grade of C or better in TCH 210, 212, 216, and 219. TCH 219 may be taken concurrently with LAN 320. Admission to Professional Studies. Advanced low or above on Oral Proficiency Interview.

321 INTEGRATING TECHNOLOGY INTO THE FOREIGN LANGUAGE CLASSROOM 3 sem. hrs.

Supplementing the basic methodology of foreign language teaching with media materials and the techniques for their use in the language classroom. Prerequisites: LAN 319 or 320 or 475 or concurrent registration or consent of the instructor.

350 FOREIGN LANGUAGE TESTING AND ASSESSMENT 3 sem. hrs.

Exploration of development and uses of language tests according to current views of foreign language teaching. Prerequisite: FRE, GER, or SPA 213 or equivalent foreign language proficiency; LAN 319 is recommended.

405 TOPICS IN CULTURAL STUDIES 3 sem. hrs.

An introduction to contemporary theories of culture including ethnography, Marxism, feminism, semiotics. Emphasis on application to France, Germany, Spain and Latin America. May be repeated if content is different.

475 FOREIGN LANGUAGE TEACHING METHODOLOGIES AT THE COLLEGE LEVEL 3 sem. hrs.

Survey and applications of methods for teaching foreign language skills to college-level students. Prerequisites: Graduate standing and foreign language proficiency.

480 ADVANCED TOPICS IN FOREIGN LANGUAGE INSTRUCTION 3 sem. hrs.

In-depth exploration of specific issues related to foreign language teaching. May be repeated if content is different. Prerequisite: LAN 319 or 475.

485 SELECTED STUDIES IN LINGUISTICS 3 sem. hrs.

Intensive study of a linguistic problem, work, or technique. Content may vary according to interest and needs of students. May be repeated if content is different.

490 TOPICS IN LITERARY STUDIES 3 sem. hrs.

In-depth study or comparative analysis of a specific literary movement, theme, or genre. May be repeated if content is different. Formerly *LITERARY RESEARCH IN FOREIGN LANGUAGES*. Prerequisite: Graduate standing.

491 INTERNSHIP IN COLLEGE TEACHING IN THE FOREIGN LANGUAGES 1-3 sem. hrs.

Credit for this course is given in the School of Teaching and Learning. (See TCH 491.)

499 MASTER'S THESIS 1-6 sem. hrs.

Refer to the Index for General Courses.

French Courses (FRE)**305 HISTOIRE DE LA CIVILISATION
FRANCAISE
3 sem. hrs.**

Survey of French culture and civilization from ancient times to the present day. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**314 STUDIES IN CONTEMPORARY
FRANCOPHONE CULTURE
3 sem. hrs.**

Introduction to Francophone cultures, primarily outside France, through the study of literary texts, film, and historiography. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**325 SELECTED TOPICS IN FRANCOPHONE
LITERATURE AND CULTURE
3 sem. hrs.**

Readings of representative literary works in their cultural contexts written in French by authors residing outside France. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**327 SELECTED TOPICS IN SEVENTEENTH-
AND EIGHTEENTH-CENTURY FRENCH
LITERATURE AND CULTURE
3 sem. hrs.**

Readings of representative seventeenth- and/or eighteenth-century literary texts in their cultural (philosophical, political, social, economic and/or historical) contexts. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**328 SELECTED TOPICS IN NINETEENTH-
AND TWENTIETH-CENTURY FRENCH
LITERATURE AND CULTURE
3 sem. hrs.**

Readings of representative nineteenth- and/or twentieth-century literary texts in their cultural (philosophical, political, social, economic, or historical) contexts. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**335 COMPARATIVE FRENCH/ENGLISH
GRAMMAR AND STYLE
3 sem. hrs.**

Intensive, advanced, comparative grammar and composition, including analysis of stylistic differences between French and English. Prerequisite: FRE 235 or consent of the instructor.

**340 INTRODUCTION TO APPLIED
FRENCH LINGUISTICS
3 sem. hrs.**

Principles and methods of objective language analysis applied to relevant issues in the French language and the teaching of French. Prerequisite: FRE 235.

**341 HISTORY OF THE FRENCH LANGUAGE
3 sem. hrs.**

History of the French language from its beginnings to contemporary Francophonie through the study of linguistic change and socio-cultural phenomena. Prerequisites: Two courses beyond FRE 116.

**385 SELECTED TOPICS IN
FRENCH LITERATURE
3 sem. hrs.**

Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester. May be repeated if content is different. Prerequisites: Two courses beyond FRE 116.

**386 TOPICS IN FRENCH AND
FRANCOPHONE CINEMA
3 sem. hrs.**

Study of the history and aesthetics of French and/or Francophone cinema in its historical, sociopolitical, and cultural context. Topics vary. May be repeated if content is different; maximum of 6 hours. Prerequisites: Two courses beyond FRE 116.

**405 SEMINAR ON CONTEMPORARY
FRENCH CIVILIZATION
3 sem. hrs.**

Intensive study of one or more aspects of contemporary French civilization. May be repeated if content is different. Prerequisite: FRE 305 or consent of the instructor.

**420 SELECTED TOPICS IN FRENCH
LITERATURE AND CULTURE
3 sem. hrs.**

Intensive study of French literature and culture organized around a particular period, genre, movement or theme, including both theory and practice. May be repeated if content is different.

**450 SEMINAR ON FRENCH PROSE
3 sem. hrs.**

Intensive study of French prose organized around a particular period, movement or theme, including both theory and practice. May be repeated if content is different.

**460 SEMINAR ON FRENCH THEATER
3 sem. hrs.**

Intensive study of a particular movement or period of French theater, including both theory and practice. May be repeated if content is different.

German Courses (GER)**310 ADVANCED STUDY OF THE
GERMAN LANGUAGE
3 sem. hrs.**

The study of linguistic concepts and their advanced application through the integration of practical work to improve language skills with appropriate theoretical topics in linguistics. Prerequisite: GER 213 or consent of the instructor.

**317 CONTEMPORARY ISSUES OF THE
GERMAN-SPEAKING COUNTRIES
3 sem. hrs.**

Development of advanced German skills in reading, writing, speaking, and listening through a study of contemporary issues of the German-speaking countries since World War I, as reflected in essays and articles. Prerequisite: GER 217 or consent of the instructor.

**322 SURVEY OF GERMAN LITERATURE
3 sem. hrs.**

Reading and discussion of representative works of the most important authors from the early nineteenth century to the present. Prerequisite: GER 211 or consent of the instructor.

385 SELECTED TOPICS IN GERMAN LITERATURE OR CULTURE
3 sem. hrs.

Intensive study of a theme, genre, including film, group of authors, or a single major writer in German literature. May be repeated if content is different. Prerequisite: GER 211 or consent of the instructor.

454 STUDIES IN GERMAN CULTURE AND CIVILIZATION
3 sem. hrs.

Advanced study of German-language literary and non-literary texts illuminating various areas of German thought, culture, and social background. May be repeated if content is different.

Spanish Courses (SPA)

305 CURRENT TOPICS IN HISPANIC CIVILIZATION AND CULTURE
3 sem. hrs.

Recent trends, issues and changes in the Spanish-speaking world. Varying topics and pedagogical strategies for teaching culture. May be repeated if content is different. Prerequisite: SPA 243 or 244.

310 SPANISH SYNTAX
3 sem. hrs.

In-depth study of grammatical structures and the relations between structure and meaning based on current analytic approaches to syntax. Prerequisite: SPA 215 or consent of the instructor.

311 SPANISH PHONETICS AND PHONOLOGY
3 sem. hrs.

In-depth study of the fundamental concepts of Spanish Phonetics and Phonology. The course treats the Spanish sound system and its core phonological processes. Prerequisite: SPA 215 or consent of the instructor.

323 SPANISH LITERATURE, MEDIEVAL AND RENAISSANCE
3 sem. hrs.

Reading and analysis of major Spanish writers from the Medieval period through the Renaissance, in their literary and cultural contexts. Prerequisite: SPA 233.

324 SPANISH LITERATURE, EIGHTEENTH CENTURY TO PRESENT DAY
3 sem. hrs.

Reading and analysis of major Spanish writers from eighteenth century to present day, in their literary and cultural contexts. Prerequisite: SPA 233.

326 SPANISH AMERICAN LITERATURE: FOUNDATIONS TO LATE NINETEENTH CENTURY
3 sem. hrs.

Reading and analysis of Spanish American literature in its cultural context, from its colonial foundations through Independence and nation building. Prerequisite: SPA 233.

327 SPANISH AMERICAN LITERATURE: LATE NINETEENTH CENTURY TO PRESENT DAY
3 sem. hrs.

Reading and analysis of Spanish American literature in its cultural context, from nation building to the present day. Prerequisite: SPA 233.

336 SELECTED TOPICS IN SPANISH-AMERICAN LITERATURE
3 sem. hrs.

Variable topics providing in-depth study of major authors, works, genres, themes, or movements. May be repeated if content is different; maximum of 18 hours. Prerequisite: SPA 233.

337 SELECTED TOPICS IN PENINSULAR SPANISH LITERATURE
3 sem. hrs.

In-depth study of major authors, works, genres, themes, or movements in Spanish literature from the Middle Ages to the present. May be repeated if content is different; maximum of 18 hours. Prerequisite: SPA 233.

360 STUDIES IN SPANISH LINGUISTICS
3 sem. hrs.

Detailed study of a particular linguistic subdiscipline of the Spanish language. May be repeated if content is different. Prerequisite: SPA 215.

370 TOPICS IN SPANISH PEDAGOGY
3 sem. hrs.

Exploration of different pedagogical issues for the Spanish language classroom. May be repeated if content is different. Prerequisite: SPA 310 or consent of the instructor; LAN 319 recommended.

385 TOPICS IN HISPANIC LITERATURE
3 sem. hrs.

Intensive study of a genre, movement, author, or work. This study varies each semester. May be repeated if content is different; maximum of 18 hours. Prerequisite: SPA 233.

405 SEMINAR ON SPANISH AND/OR SPANISH-AMERICAN CULTURE
3 sem. hrs.

In-depth study of some aspect of Spanish and/or Spanish-American culture. May be repeated if content is different. Prerequisite: Graduate standing in Spanish or consent of the instructor.

411 SPANISH-AMERICAN NOVEL
3 sem. hrs.

The Spanish-American novel from the nineteenth century to the present day with emphasis on the most characteristic authors of each period.

415 SEMINAR IN SEVENTEENTH-CENTURY SPANISH LITERATURE
3 sem. hrs.

Advanced study of representative authors and genres, with emphasis on the theater and the novel. May be repeated if content is different.

**418 SEMINAR IN EIGHTEENTH AND
NINETEENTH-CENTURY
SPANISH LITERATURE
3 sem. hrs.**

In-depth study of major authors, works, genres, themes or movements from Spanish literature of the eighteenth and nineteenth centuries. Either seminar or survey format. May be repeated if content is different.

**421 HISTORY OF THE SPANISH LANGUAGE
3 sem. hrs.**

The historical development of the Spanish language with particular attention to its phonology and morphology.

**425 SEMINAR IN SPANISH LINGUISTICS
3 sem. hrs.**

Systematic examination of selected facets of the Spanish language. May be repeated if content is different.

**431 SEMINAR IN EARLY SPANISH-AMERICAN
LITERATURE
3 sem. hrs.**

In-depth study of major themes of entire literature first introduced in chronicles, travel books and poetry between the sixteenth and eighteenth centuries. May be repeated if content is different.

**434 SEMINAR IN MODERN
SPANISH-AMERICAN LITERATURE
3 sem. hrs.**

In-depth study or comparative analysis of figures, works, or genres in their cultural context from the nineteenth century through the present day. Seminar or survey format. May be repeated if content is different.

**470 DON QUIXOTE
3 sem. hrs.**

Reading of Don Quixote with special attention to the problems of interpretation and literary criticism.

**484 SEMINAR IN TWENTIETH- AND
TWENTY-FIRST CENTURY
SPANISH LITERATURE
3 sem. hrs.**

In-depth study of the novel, essay, poetry, or drama of the twentieth century to the present day in their cultural context. May be repeated if content is different.

MATHEMATICS (MAT)

313 Stevenson Hall, (309) 438-8781

Math.IllinoisState.edu

Chairperson: George F. Seelinger. Office: 313 Stevenson Hall.

Graduate Program Directors: Alberto Delgado, Cynthia Langrall.

Graduate Faculty: F. Akman, O. Akman, Bahmanian, Barker, Barrett, Chebolu, Cheng, Clements, Cullen, Delgado, Ellerton, El-Zanati, Ionescu, Langrall, Martin, Miller, Mooney, Ostaszewski, Seelinger, Sissokho, Thiagarajah, Tobias, Winsor, Xu, Yamskulna, Zhao.

Programs Offered

The Department of Mathematics offers programs leading to the Master of Science in Mathematics and the Doctor of Philosophy in Mathematics Education. At the master's level, concentrations are available in secondary mathematics education, pure mathematics, computational mathematics, and applied mathematics. Sequences are available in Actuarial Science, in Applied Statistics, and in Biomathematics; also a sequence in Elementary and Middle School Mathematics Education is available for teachers at those levels. The Ph.D. program is for persons seeking advanced preparation as teacher educators and mathematics education researchers.

Master of Science

The student must meet the general university requirements listed elsewhere in this catalog for the Master of Science. The student must also complete either Option I or Option II in Mathematics, or a sequence in Actuarial Science, Applied Statistics, Biomathematics, or the Elementary and Middle School Mathematics Education Sequence. Any course substitutions must be approved by the Department's master's program director. Option I requires a culminating experience in the form of an approved master's project, comprehensive exam, or professional practice. Option II requires a master's thesis. The culminating experience/thesis project must be approved in advance by the Department's master's program committee.

Admission Requirements

Admission to the Mathematics program normally requires a bachelor's degree in either mathematics or secondary mathematics education. Admission to the Actuarial Science Sequence or the Applied Statistics Sequence normally requires an appropriate background in mathematics, actuarial science, statistics, or mathematical finance. Admission to the Biomathematics Sequence requires three semesters of calculus (two semesters with the approval of the program director) and one semester of linear algebra. Admission to the Elementary and Middle School Mathematics Education Sequence requires an appropriate background in mathematics content and methodology. Applicants lacking the required background for these programs may be admitted with deficiencies at the discretion of the department's graduate committee. Applicants whose undergraduate grade point average for the last sixty hours is less than 3.0, but at least 2.8, may be admitted provisionally and must earn a grade point average of 3.0 during their first 9 credit hours of graduate work.

Program Options

Each student must complete a program in one of five areas: Mathematics, the Actuarial Science Sequence, the Applied Statistics Sequence, the Biomathematics Sequence, or the Elementary and Middle School Mathematics Education Sequence. In each, the student completes one of the two following options:

NOTE: All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

Option I

Thirty-two (32) hours are required, with at least 26 in mathematics; 16 hours must be at the 400 level, including at least 12 hours in mathematics. A culminating experience in the form of MAT 490 or MAT 498 or comprehensive examinations is required.

Option II

Thirty (30) hours plus a thesis are required, with at least 24 hours in mathematics; 15 hours must be at the 400 level, including at least 10 hours in mathematics. A written approved thesis is required.

Additional requirements are below.

Mathematics: MAT 336, 337, and 347 are required. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate director. Students with the following interests are advised to take the corresponding courses: (1) Secondary mathematics education: 401, 403, 421, 422; (2) Doctoral study in mathematics: 407, 447; (3) Computational mathematics: 356, 361, 363, 461; (4) Applied mathematics: 340, 341, 345, 356, 361, 362, 363.

Contact the graduate advisor for a complete list of available courses.

Actuarial Science Sequence: One of MAT 336, 337, 347, as well as three of: MAT 380, 381, 383, 384, 480, or 483, are required. Three mathematics courses numbered 407 or above are required. All electives are subject to approval by the department's graduate director.

Applied Statistics Sequence: MAT 350, 351, and one of 336, 337, or 347 are required. Three of: MAT 450, 453, 455, 456, or 458 are required. All electives are subject to approval by the department's graduate director.

Biomathematics Sequence: Persons seeking cross-disciplinary training in mathematics and biology may select this sequence. The core courses, MAT 340, 350, 351, 442; and BSC 420A36, are required with BSC 420A36 taken twice under different topics, and a minimum of 12 hours from the School of Biological Sciences. A minimum of 13 hours from outside of the core courses must be at the 400 level. A master's thesis is required for 4 credit hours. An area of emphasis may be chosen from the following:

Emphasis in Biostatistics and Modeling: A choice of courses from MAT 353, 356, 362, 450, 453, 455, 456, 458; and BSC 343, 403, 404, 405, 450.37, 471, 486.

Emphasis in Computation and Bioinformatics: A choice of courses from MAT 356, 361, 363, 461; and BSC 350, 353, 355, 415, 419, 467, 470, 471.

Elementary and Middle School Mathematics Education

Sequence: Persons who are teaching or who plan to teach at the elementary or middle school level may elect this sequence. This program does not lead to licensure. MAT 304, 401, 402, 403, and 409 are required. All electives are subject to approval by the department's graduate director. Students in this sequence who are considering entering the Mathematics Education Ph.D. program at Illinois State University are advised to take MAT 145 and 146 and, as part of their master's program, the following courses: MAT 304, 307, 309 or 330, 312, 315, 320, 326, 409, 421, and 422. Please see the Ph.D. advisor for more information.

Doctor of Philosophy in Mathematics Education

This program is designed to equip individuals with the skills necessary to prepare prospective and in-service teachers of mathematics; to develop and evaluate mathematics curricula; and to conduct, direct, and evaluate research related to the teaching and learning of mathematics. The program places special emphasis on the mathematics curriculum in grades K-12.

Two options are available depending on whether the student is interested in mathematics education in: K-9 or K-12. The Graduate Record Examination General Test is required prior to admission. Course requirements for the degree further assume mathematics coursework basic to the undergraduate major in mathematics for K-9 option individuals and the equivalent of a master's in mathematics with breadth of other individuals.

At least 6 hours of graduate mathematics content courses at Illinois State University are required. Students are also required to take 30 hours in mathematics education; 3 hours for a professional project; 12 hours in research methods; 6 hours of electives in areas such as mathematics, technology, curriculum, educational psychology, evaluation, supervision, human development, learning theory or measurement; and a minimum of 15 hours of dissertation credit. Students in the program must demonstrate competence in teaching prospective or practicing mathematics teachers. Some of these requirements may be satisfied by work completed prior to acceptance into the program. The student must also meet the other university requirements for Ph.D. programs listed elsewhere in this catalog. Students must meet the Graduate School's residency requirement for a Doctor of Philosophy degree. The typical program is approximately 90 hours. A full-time student should expect to complete the required coursework for the program in 3 to 4 years past the bachelor's degree.

In addition to the Graduate School requirements given elsewhere in this catalog, it is recommended that applicants have prior teaching experience at the elementary or secondary level and completion of specified coursework or degrees in mathematics depending on the option elected. For additional information, write the Graduate Program Director, Illinois State University, Department of Mathematics, Campus Box 4520, Normal, IL 61790-4520.

Mathematics Courses

302 TEACHING MATHEMATICS IN THE MIDDLE SCHOOL

4 sem. hrs.

Problems, viewpoints, and trends in teaching middle school mathematics. Implications of research related to organization, content and techniques for teaching mathematics. May include Clinical Experience. Formerly *TEACHING MATHEMATICS IN GRADES 6-8*. Prerequisites: Grade of C or better in MAT 309 and 312 or concurrent registration. Completion of 60 hours and 2.50 major and overall GPA. Admission to Professional Studies.

304 MODERN GEOMETRY FOR MIDDLE SCHOOL TEACHERS

4 sem. hrs.

Topics include Euclidean and non-Euclidean geometries and their history, transformations with connections to matrix algebra, fractals, and projective geometry. Department approved graphing calculator required. Not for credit major or minor. Prerequisites: Grade of B or better in MAT 131 and 202. Completion of 60 hours and 2.50 major and overall GPA.

309 NUMBER THEORY FOR MIDDLE SCHOOL TEACHERS

4 sem. hrs.

Focus is on number theory concepts, including divisibility, primes, composites, special number sets, and basic counting principles. Department approved graphing calculator required. Formerly *NUMBER THEORY FOR K-8 TEACHERS*. Not for credit major or minor. Prerequisites: Grade of B or better in MAT 131 and 202. Completion of 45 hours and 2.50 major and overall GPA.

312 PROBABILISTIC AND STATISTICAL REASONING FOR MIDDLE SCHOOL TEACHERS

4 sem. hrs.

Descriptive statistics, lines of best fit, basic concepts of probability, simulation, probability distributions, expectation and counting techniques. Department-approved graphing calculator required. Formerly *PROBABILISTIC AND STATISTICAL REASONING FOR K-8 TEACHERS*. Not for credit major or minor. Prerequisites: Grade of B or better in MAT 131 and 202. Completion of 45 hours and 2.50 major and overall GPA.

315 MATHEMATICAL MODELING FOR MIDDLE SCHOOL TEACHERS

4 sem. hrs.

Mathematical modeling and problem-solving with applications involving networks and communication systems, finance, global positioning, data systems, and various branches of science. Department-approved graphing calculator required. Not for credit major or minor. Prerequisites: Grade of B or better in at least one of MAT 309 or 312 and a grade of C or better in the other. Completion of 60 hours and 2.50 major and overall GPA.

320 HISTORY OF MATHEMATICS

3 sem. hrs.

History of the development of mathematical techniques and ideas from early civilization to present, including connections between mathematics and sciences. Not for credit if had MAT 321. Prerequisite: Grade of C or better in MAT 147.

323 TEACHING MATHEMATICS IN THE SECONDARY SCHOOL**3 sem. hrs.**

The selection, placement, and teaching of secondary mathematics topics. Analysis of recent trends and practices. Includes clinical experiences, 60 hours. Prerequisites: Grade of C or better in MAT 211 and 223; grade of C or better in MAT 236, or concurrent registration; TCH 216. Minimum 2.80 Mathematics and overall GPA and departmental approval. Admission to Professional Studies.

326 MATHEMATICAL PROBLEM SOLVING USING TECHNOLOGY**3 sem. hrs.**

An advanced exploration of secondary mathematics curriculum through the use of technology. Considers roles of technology for mathematical concept development. Formerly *TECHNOLOGY TOOLS FOR SECONDARY SCHOOL MATHEMATICS*. Department-approved graphing calculator required. Prerequisite: Grade of C or better in MAT 211.

330 NUMBER THEORY**3 sem. hrs.**

Divisibility, primes, unique factorization, linear congruences and Diophantine equations, number-theoretic functions, primitive roots, quadratic reciprocity, continued fractions or cryptography. Prerequisite: Grade of C or better in MAT 260.

336 ADVANCED ABSTRACT ALGEBRA**3 sem. hrs.**

Permutation, symmetry, matrix, and cyclic groups, subgroups, cosets, homomorphisms, quotient groups, the fundamental theorem of finite abelian groups, Sylow theorems. Prerequisite: Grade of C or better in MAT 236 or consent of the instructor.

337 ADVANCED LINEAR ALGEBRA**4 sem. hrs.**

Abstract vector spaces, linear transformations and matrices, inner product spaces, eigenvalues and eigenvectors, diagonalization. Applications to geometry, the physical and social sciences. Prerequisites: Grade of C or better in MAT 175 and senior standing.

340 DIFFERENTIAL EQUATIONS I**3 sem. hrs.**

First and second order differential equations, linear differential equations, power series methods, Laplace transform methods, numerical and computational methods, applications. Prerequisites: Grade of C or better in MAT 147 and 175.

341 DIFFERENTIAL EQUATIONS II**3 sem. hrs.**

Linear systems of differential equations, numerical methods, Fourier series, boundary-value problems, partial and nonlinear differential equations and applications. Prerequisites: Grade of C or better in MAT 175 and 340 or an elementary differential equation course.

345 ADVANCED CALCULUS**4 sem. hrs.**

Calculus of functions of several variables; Taylor's series of several variables, maxima and minima, Lagrange multipliers, inverse and implicit function theorems, multiple integration, line integrals, Green's, Stokes' and the divergence theorems. Prerequisites: Grade of C or better in MAT 147 and 175.

347 ADVANCED REAL ANALYSIS**4 sem. hrs.**

Topology of metric spaces, properties of sequences, continuous functions, limits of functions, differentiation, integration. Prerequisite: Grade of C or better in MAT 247 or 345 or consent of the instructor.

349 INTRODUCTION TO COMPLEX ANALYSIS**4 sem. hrs.**

An introduction to complex analysis, including elements of topology and geometry, with applications to advanced calculus, differential equations and physics. Prerequisite: MAT 147.

350 APPLIED PROBABILITY MODELS**4 sem. hrs.**

Sample spaces, discrete and continuous random variables, probability functions, density, moment generating functions, important distributions. Multivariate distributions. Central Limit Theorem. Prerequisite: Grade of C or better in MAT 147.

351 STATISTICS AND DATA ANALYSIS**4 sem. hrs.**

Statistical estimation. Point and interval estimators. Consistency, unbiasedness, minimum variance. Hypothesis testing. Likelihood ratio tests. Regression, analysis of variance. Prerequisite: Grade of C or better in MAT 350 or consent of the instructor.

352 PROBABILITY AND STATISTICAL INFERENCE FOR EDUCATORS**4 sem. hrs.**

Sample spaces, discrete and continuous random variables, distributions, Central Limit Theorem. Point and interval estimation. Hypothesis testing. Regression, analysis of variance. Not for credit if had MAT 350 or 350A01. Prerequisite: Grade of C or better in MAT 147.

353 REGRESSION AND TIME SERIES ANALYSIS**4 sem. hrs.**

Regression and time series methods for business and economic applications, including exponential smoothing and Box-Jenkins methods. A computer statistical package will be used. Also offered as ECO 353. Prerequisite: MAT 351 or equivalent or consent of the instructor.

354 NONPARAMETRIC STATISTICS**3 sem. hrs.**

Order statistics, run test, goodness-of-fit tests, rank test, sign test, two-sample tests, and nonparametric measures of dependence. Prerequisite: Grade of C or better in MAT 351 or equivalent or consent of the instructor.

356 STATISTICAL COMPUTING**4 sem. hrs.**

Application of the SAS, SPSS programs to real data, emphasizing regression, and analysis of variance. Prerequisites: Grade of C or better in two statistics courses, some facility with matrices.

361 TOPICS IN DISCRETE MATHEMATICS**2-4 sem. hrs.**

Study of selected areas of discrete mathematics. May be repeated if content is different. Prerequisite: Grade of C or better in MAT 260 or consent of the instructor.

362 LINEAR OPTIMIZATION**4 sem. hrs.**

Modeling and solution of problems using the simplex method. Duality, sensitivity, integer programming. Transportation problems. Prerequisite: Grade of C or better in MAT 175.

363 GRAPH THEORY**4 sem. hrs.**

Introduction to graph theory, connectivity, matching, coloring, network flows with applications. Prerequisite: Grade of C or better in MAT 260 or consent of the instructor.

380 ACTUARIAL MODELS I**4 sem. hrs.**

Markov Processes. Survival distributions. Life tables. Life insurance, life annuities and pensions. Premiums and reserves. Applications of multiple states models. Prerequisites: Grade of B or better in MAT 280 and 350 or consent of the instructor.

381 ACTUARIAL MODELS II**4 sem. hrs.**

Multiple lives. Multiple decrements. Models including expenses. Multiple state models. Universal life insurance. Prerequisites: Grade of B or better in MAT 380 or consent of the instructor.

383 ACTUARIAL MODELS III**4 sem. hrs.**

Applications of stochastic processes to actuarial models. Arbitrage-free models. Valuation of derivative securities. Elements of financial risk management. Formerly *ACTUARIAL MODELS II*. Prerequisites: Grade of B or better in MAT 280 and 350 or consent of the instructor.

384 ACTUARIAL MODELING**4 sem. hrs.**

Severity models. Frequency models. Aggregate loss models. Risk measures. Ruin theory. Survival models estimation. Parametric and nonparametric models estimation. Credibility theory. Simulation. Prerequisite: Grade of C or better in MAT 351 or consent of the instructor.

401 CURRENT RESEARCH IN SCHOOL MATHEMATICS**3 sem. hrs.**

Analysis of research in mathematics education and its implications for instruction in school programs.

402 INSTRUCTIONAL STRATEGIES FOR THE MIDDLE SCHOOL TEACHER**3 sem. hrs.**

Selecting, utilizing and evaluating instructional organization, laboratory materials and pedagogical techniques for middle school mathematics programs. Prerequisites: MAT 401 and 403 are recommended.

403 THEORIES OF MATHEMATICS LEARNING**3 sem. hrs.**

Overview of theories of how students learn mathematics and the implications of these theories for classroom teaching and research.

404 ISSUES AND TRENDS IN SCHOOL MATHEMATICS**4 sem. hrs.**

Analysis of issues and trends related to teaching and learning mathematics in local, national, and international political and social arenas. Prerequisites: MAT 401 and 403, or consent of the instructor.

406 ADVANCED TOPICS IN ASSESSMENT IN ELEMENTARY AND JUNIOR HIGH MATHEMATICS**2-3 sem. hrs.**

Analytical approaches and instructional procedures for assessment and evaluation in elementary and junior high school mathematics.

407 ABSTRACT ALGEBRA**4 sem. hrs.**

Group theory including the Sylow theorems and other advanced topics; ring theory. Prerequisite: MAT 336 or consent of the instructor.

408 THE TEACHING AND LEARNING OF RATIONAL NUMBERS**3 sem. hrs.**

Current research on the teaching and learning of numeration and number sense, with a focus on rational numbers. Not for credit if had MAT 489.30. Prerequisites: MAT 401 or consent of the instructor.

409 TOPICS IN ALGEBRA AND COMBINATORICS FOR K-8 TEACHERS**3 sem. hrs.**

Algebra and counting topics related to elementary, middle school, or junior high curriculum. Prerequisite: Admission into a graduate mathematics or mathematics education program or consent of the instructor.

410 TOPICS IN NUMBER THEORY**3-4 sem. hrs.**

Topics vary, but are often chosen from Diophantine equations, continued fractions, Diophantine approximations. Additional topics and applications will be covered if taken for 4 credits. Prerequisite: MAT 330 or consent of the instructor.

411 SELECTED TOPICS IN ADVANCED MATHEMATICS**3 sem. hrs.**

Advanced topics in mathematics (knot theory and applications, category theory, complex analysis, differential topology and geometry, dynamical systems, etc.). Prerequisite: MAT 336 or 337 or 347 or consent of the instructor.

421 TOPICS IN ALGEBRA FOR TEACHERS**3 sem. hrs.**

Problems in teaching of secondary school algebra. Investigation of reports, research, and recent trends in this area. Prerequisites: MAT 175 or 236 and teaching experience.

422 TOPICS IN GEOMETRY FOR TEACHERS**3 sem. hrs.**

Problems in teaching secondary school geometry. Investigation of reports, research, and recent trends. Objectives and content of secondary school geometry. Prerequisite: MAT 211.

442 QUANTITATIVE BIOMATHEMATICS**3 sem. hrs.**

Theory and biological applications of linear and non-linear difference and differential equations and of partial differential equations. Prerequisite: MAT 340.

**443 STATISTICAL LEARNING
AND DATA MINING**
3 sem. hrs.

This course provides a case-based introduction to the field of statistical learning for analyzing massive datasets. Prerequisite: Grade of C or better in MAT 351.

447 REAL ANALYSIS I
4 sem. hrs.

Inadequacy of Riemann integration, theories of measure and integration, function spaces, Hilbert spaces, linear functionals, orthogonal functions and Fourier series. Prerequisites: MAT 337 and 347.

450 FINITE SAMPLING
3-4 sem. hrs.

Application and theory of sampling, mathematical sampling; simple, stratified, and cluster. Evaluation of plans with respect to precision and cost. Additional topics and applications will be covered if taken for 4 credits. Prerequisite: MAT 350.

453 REGRESSION ANALYSIS
3-4 sem. hrs.

Linear regression models and the F-test. Model Fitting: analysis of residuals, transformations, and the selection of variables. The analysis of variance via regression. Additional topics and applications will be covered if taken for 4 credits. Prerequisites: MAT 175 and 351.

455 APPLIED STOCHASTIC PROCESSES
3-4 sem. hrs.

Processes important in numerous applications. Finite and countable state Markov chains, the Poisson process, birth-death processes, elementary queueing theory, renewal processes, and others. Prerequisite: MAT 350.

456 MULTIVARIATE STATISTICS
3-4 sem. hrs.

Review of regression and analysis of variance. The multivariate normal distribution, discriminant analysis, multivariate analysis of variance, factor analysis. Computational procedures. Prerequisites: MAT 175, 351.

458 THE DESIGN OF EXPERIMENTS
3-4 sem. hrs.

Linear models and the logic of planned experimentation, choice of statistical technique, and analysis of data. Additional topics and applications will be covered if taken for 4 credits. Prerequisite: MAT 351.

**461 ADVANCED TOPICS IN DISCRETE
MATHEMATICS**
3-4 sem. hrs.

Study of selected advanced topics in discrete mathematics. Consult class directory for topic and hours in a given semester. May be repeated if content is different. Prerequisite: Consent of the instructor.

**480 APPLICATIONS OF ACTUARIAL
PRINCIPLES**
4 sem. hrs.

Basic actuarial principles applicable to various financial security systems: life, health, and property and casualty insurance, annuities, retirement programs. Prerequisites: MAT 380 and 383, or consent of the instructor.

**483 MATHEMATICAL MODELS
IN FINANCE AND INVESTMENTS**
4 sem. hrs.

Mathematical models of capital markets, valuation of derivatives and other financial instruments, principles of portfolio management and asset-liability management. Prerequisites: MAT 380 and 383, or consent of the instructor.

**490 RESEARCH IN MATHEMATICS,
MATHEMATICS EDUCATION, AND
APPLIED MATHEMATICS**
3 sem. hrs.

Individual research projects or case studies in mathematics, mathematics education, applied mathematics, statistics, or actuarial science. May constitute a culminating experience for master's degree. Credits do not count toward 400-level course requirements for degree. Prerequisite: Consent of the instructor.

498 PROFESSIONAL PRACTICE
1-4 sem. hrs.

Refer to Index for General Courses. Practical supervised work experience in mathematics. Credits do not count toward 400-level course requirements for the degree. May be repeated. A maximum of 4 credit hours count toward the degree.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS**
1-6 sem. hrs.

Refer to Index for General Courses.

**580 MATHEMATICAL THINKING
AND LEARNING**
3 sem. hrs.

Analysis of theories in mathematical thinking and learning as they relate to instruction and research in mathematics education. Prerequisite: MAT 403.

**581 SEMINAR IN RESEARCH
AND DEVELOPMENT
IN MATHEMATICS EDUCATION**
3 sem. hrs.

Analysis of research in strategies or methods for teaching mathematics and in the learning of mathematics. Analysis of curriculum projects as they relate to these research findings. Analysis of current research and consideration of the implications of this research for new curricular innovations, and for classroom teaching. Prerequisite: Admission to Ph.D. program in mathematics education.

**582 HISTORY OF MATHEMATICS
EDUCATION CURRICULUM**
3 sem. hrs.

Study of the development of mathematics education curriculum since colonial times. Readings of major books, recommendations, and papers. Prerequisite: Admission to Ph.D. program in mathematics education.

**583 PROFESSIONAL PROJECTS IN
MATHEMATICS EDUCATION**
3 sem. hrs.

Designed to provide intensive work under direct supervision of faculty on a project in mathematics education. Prerequisite: Approval of the Ph.D. director.

**585 TOPICS IN MATHEMATICS
EDUCATION SEMINAR**

1-3 sem. hrs.

Intensive inquiry into topics in mathematics education through research, discussion, and reports. May be repeated with approval of Ph.D. director. Prerequisite: Admission to Ph.D. program in mathematics education.

**586 MATHEMATICS TEACHING AND
TEACHER EDUCATION**

3 sem. hrs.

Analysis of the research in mathematics teaching and teacher education.

599 DOCTORAL RESEARCH

1-15 sem. hrs.

Refer to the Index for General Courses. Research, library search, curriculum study, and writing related to Doctor of Philosophy dissertation requirement. Prerequisite: Approval of the Ph.D. director.

599A01 DISSERTATION

1-5 sem. hrs.

Refer to the Index for General Courses.

599A90 DISSERTATION FINAL TERM

1 sem. hr.

Refer to the Index for General Courses.

PHILOSOPHY (PHI)

412 Stevenson Hall, (309) 438-7665
 Philosophy.IllinoisState.edu

Chairperson: Tom Buller.

Graduate Faculty: Anderson, Bailey, Breyer, Buller, Horvath, Kuhle, Stewart.

Note: Graduate degrees are not granted in the Department of Philosophy, but coursework is available as supplemental study or as electives.

Philosophy Courses

305 TOPICS IN CONTEMPORARY PHILOSOPHY 3 sem. hrs.

Focuses on a topic or topics in contemporary philosophy, or on major figures in recent philosophy. May be repeated for credit if topic is different. Formerly *TOPICS IN 20TH CENTURY PHILOSOPHY*. Prerequisites: PHI 201 and 232.

310 TOPICS IN PHILOSOPHY OF SCIENCE 3 sem. hrs.

Examination of topics in philosophy of natural, behavioral, and/or social sciences, e.g., scientific explanation, evidence, methodology, universality, normativity, testability. May be repeated if topic is different. Prerequisite: PHI 201.

315 TOPICS IN MIND AND LANGUAGE 3 sem. hrs.

Exploration of a topic within the philosophy of mind and/or language (e.g., consciousness, realism/antirealism, truth and meaning). May be repeated for credit if topic is different. Formerly *TOPICS IN PHILOSOPHY, SCIENCE, AND MIND*. Prerequisite: PHI 201.

330 TOPICS IN MORAL THEORY 3 sem. hrs.

Examination of fundamental issues in moral philosophy, e.g., possibility of moral knowledge, justification of value judgments, nature of moral responsibility. May be repeated for credit if topic is different. Prerequisite: PHI 232.

340 TOPICS IN LEGAL AND POLITICAL PHILOSOPHY 3 sem. hrs.

Intensive examination of selected topics in social, political, and legal philosophy, e.g., liberty, justice, rights, equality, community, democracy, political obligation. May be repeated for credit if topic is different. Prerequisite: PHI 232.

350 TOPICS IN THE HISTORY OF PHILOSOPHY 3 sem. hrs.

Intensive examination of an important figure, movement, or theme in the history of philosophy, e.g., Plato, British Empiricism, free will. May be repeated if topic is different. Prerequisites: PHI 254 and 255.

350A13 TOPICS IN THE HISTORY OF PHILOSOPHY: DAVID HUME'S PHILOSOPHICAL LEGACY 3 sem. hrs.

A close examination of the important sections of Hume's seminal *A Treatise of Human Nature* along with an examination of the current philosophical significance of Hume's ideas about, e.g., causation and ethical sentimentalism.

350A14 HISTORY OF PHILOSOPHY: PLATO 3 sem. hrs.

This course will presume a beginning general knowledge of Plato's main contributions to metaphysics and axiology. Following a refresher on the middle books of the *Republic*, students will read more deeply into some of Plato's most important middle and later dialogues.

363 TOPICS IN METAPHYSICS AND EPISTEMOLOGY 3 sem. hrs.

Detailed examination of selected issues in metaphysics and epistemology. May be repeated if topic is different. Prerequisite: PHI 201.

390 INDEPENDENT STUDY 1-3 sem. hrs.

Prerequisites: One PHI course and consent of the instructor and department chairperson.

PHYSICS (PHY)

311 Moulton Hall, (309) 438-8756
PHY.IllinoisState.edu

Chairperson: Daniel Holland. Office: 311 Moulton Hall.
Graduate Faculty: Christensen, Grobe, Harris, Holland, Martin, Marx, Rosa, Rosenblatt, Rutherford, Su.

Note: Graduate degrees are not granted in the Department of Physics, but coursework is available as supplemental study or as electives.

Physics Courses

310 READINGS FOR TEACHING HIGH SCHOOL PHYSICS 3 sem. hrs.

Essential background readings for teaching high school physics that center around developing scientific literacy in students. Prerequisites: Completion of 10 hours in Physics.

311 TEACHING HIGH SCHOOL PHYSICS 3 sem. hrs.

Strategies, curricula, and resources for the teaching of high school physics. Application of knowledge of physics, adolescent psychology, and pedagogical theory to secondary teaching. Includes Clinical Experience: 10 hours. Prerequisites: PHY 310; 18 hours in Physics; grade of C or better in TCH 216, or concurrent registration.

312 PHYSICS TEACHING FROM THE HISTORICAL PERSPECTIVE 3 sem. hrs.

Qualitative overview of the development of classical scientific thought relating to physical phenomena with applications to pedagogy. Prerequisites: Completion of 20 hours in Physics; Admission to Professional Studies.

318 METHODS OF COMPUTATIONAL SCIENCE 3 sem. hrs.

Introduction to a wide variety of computational techniques and their application to problems in chemistry and physics. Also offered as CHE 318. Prerequisites: IT 165; CHE 140; PHY 109 or 111; CHE 360 or PHY 220; or concurrent registration; or consent of the instructor.

320 MECHANICS II 3 sem. hrs.

Coordinate transformations, nonlinear oscillations, Hamilton's Principle, Lagrangian and Hamiltonian mechanics, rigid body motion. Prerequisites: PHY 220 and MAT 340.

355 SOLID STATE PHYSICS 3 sem. hrs.

Crystal structures, X-ray and electron diffraction, lattice vibrations and thermal properties, binding energy, conduction of electrons, band theory, dielectric and magnetic properties, defects, metals, semiconductors, and insulators. Prerequisite: PHY 325.

375 ELECTRONICS FOR SCIENTISTS 3 sem. hrs.

DC and AC circuit analysis with an introduction to the electrical properties of semiconductors; theoretical and experimental analysis of semiconductor diode, transistor, and operational amplifier circuits. Lecture and lab. Prerequisite: PHY 111.

380A80 TOPICS IN CONTEMPORARY PHYSICS: BIOPHYSICS OF NEUROLOGICAL SYSTEMS 3 sem. hrs.

Biophysical principles of cell signaling and communication, including mathematical modeling, computer simulations and hands-on lab activities. Prerequisites: Completion of 75 hours. Consent of the instructor.

384 QUANTUM MECHANICS II 3 sem. hrs.

Operator formalism, Dirac bra and ket notation, angular momentum, perturbation theory, applications to laser physics. Prerequisites: PHY 284 and MAT 340.

387 METHODS OF MATHEMATICAL PHYSICS 3 sem. hrs.

Finite- and infinite-dimensional vector spaces, matrices and determinants, Fourier analysis, complex analysis, differential equations, emphasis on physical applications. Prerequisites: PHY 240 and MAT 340 or concurrent registration.

388 ADVANCED COMPUTATIONAL PHYSICS 3 sem. hrs.

Application of computational methods to contemporary topics in physics, including nonlinear classical and quantum dynamics or physical problems that involve many degrees of freedom. Prerequisites: PHY 220, 240, 284, and 318, or consent of the instructor.

400 INDEPENDENT STUDY 1-4 sem. hrs.

Refer to the Index for General Courses. Prerequisite: Consent of the instructor.

413 TEACHING HIGH SCHOOL PHYSICS II 3 sem. hrs.

Employs goal setting, self-assessment, and instructional design as a way of improving the physics teacher's inquiry practice. Prerequisite: Open only to licensed, inservice high school teachers of physics and/or physical science with a minimum of two years teaching experience.

498 PROFESSIONAL PRACTICE 1 sem. hr.

Refer to the Index for General Courses. Supervised work experience within undergraduate Physics Teacher Education program. May be repeated during different semesters for a total of 3 semester hours. Prerequisites: Admission by permission only; intermediate-level physics background consisting of classical mechanics, electricity and magnetism or introductory quantum mechanics, or equivalent; must be enrolled in TCH master's program.

POLITICS AND GOVERNMENT (POL)

401 Schroeder Hall, (309) 438-8638
POL.IllinoisState.edu

Chairperson: Ali Riaz. Office: 401 Schroeder.

Graduate Program Director: Kam Shapiro.

Graduate Faculty: Aideyan, Cox, Crothers, Klass, Leonard, Lind, McClure, Milita, Palmer, Parodi, Puckett, Riaz, Riverstone-Newell, Sarfati, Shapiro, Shawki, Singh, Wang, Webber-Collins, Zigerell.

Master's Degree in Political Science

The Department offers work leading to the following degrees: Master of Science (M.S.) or Master of Arts (M.A.). Students may elect to pursue a sequence in Applied Community and Economic Development, Global Politics and Cultures, or Public Service, or may complete the degree without a sequence. Students who do not elect a sequence complete the following 32 hour program ending in a thesis or comprehensive exam. Courses count toward all requirements for which they are listed. For example, a student who completes 497 or 461 has fulfilled requirement *b* as well as part of seminar requirement *c*. Requirements are as follows: (a) 3 hours POL 496; (b) 3 hours POL 497 or 461; (c) a total of 12 hours POL 400-level seminars chosen from POL 411, 417, 421, 431, 433, 441, 451, 461, 463, 470, 497 (NOTE: One seminar only may be replaced with 3 hours of summer POL 400 or 490, with prior approval of the Graduate Coordinator and a letter from the instructor certifying that the content adequately substitutes for a regular seminar.); (d) if completing a thesis, 4-6 hours POL 499; (e) electives as needed to reach a total of 32 hours chosen from POL 400-level or POL 300-level courses if listed in the Graduate Catalog. With prior approval of the Graduate Coordinator, electives may include up to 9 hours of relevant graduate courses from other departments.

Applied Community and Economic Development Sequence

Applied Community and Economic Development (ACED) is a 39-hour (if capstone) or 35-hour (if thesis) sequence designed for returned Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies. Students wishing to complete the ACED sequence should apply and be approved by the Graduate Program Director before beginning coursework. The sequence ends with a capstone project or a thesis. Requirements are as follows: (a) 3 hours of POL 496; (b) 3 hours of POL 497 or 461; (c) 3 of hours POL/SOC 470; (d) 3 hours of POL/SOC 477; (e) 2 hours of ECO/POL/SOC 478; (f) ECO 490A04 Seminar in Local Economic Development (2 hours); (g) 6-8 hours of POL 498A12 or 498A90 (paid internship or Peace Corps service); (h) 3 hours of POL 495 (if capstone) or 4-6 hours of POL 499 (if thesis); and (i) electives as needed to reach a total of 39 hours (if capstone) or 35 hours (if thesis), chosen from POL 400-level or POL 300-level courses if listed in the Graduate Catalog. With prior approval of the Graduate Coordinator, electives may include up to 9 hours of relevant graduate courses from other departments.

Public Service Sequence

Public Service is a 32-hour sequence designed for students interested in employment in the public sector, particularly at the state and local level. The sequence ends in a thesis or comprehensive exam. Courses count toward all requirements for which they are listed. For example, a student who completes 497 or 461 has fulfilled requirement *b* as well as part of seminar requirement *f*. Requirements are as follows: (a) 3 hours of POL 496; (b) 3 hours of POL 497 or 461; (c) 3 hours of POL 421; (d) 3 hours of POL 431; (e) a total of 12 hours selected from POL 313, 318, 323, 329, 330, 331, 332, 333, 334, 335, 411, 412, 421, 422, 432, 433, and 498; (f) a total of 12 hours of POL 400-level seminars chosen from POL 411, 417, 421, 431, 433, 441, 451, 461, 463, 470, 497 (NOTE: One seminar only may be replaced with 3 hours of summer POL 400 or 490, with prior approval of the Graduate Coordinator and a letter from the instructor certifying that the content adequately substitutes for a regular seminar.); (g) if completing with thesis, 4-6 hours of POL 499; and (h) electives as needed to reach the total of 32 hours, chosen from POL 400-level and POL 300-level courses (if listed in Graduate Catalog). With prior approval of Graduate Coordinator, electives may include up to 9 hours of relevant graduate courses from other departments.

Global Politics and Cultures Sequence

Global Politics and Culture is a 32-hour sequence designed for students interested in the increasingly inter-connected politics of the modern world. The sequence ends in a thesis or comprehensive exam. Courses count toward all requirements for which they are listed. For example, a student who completes 461 or 497 has fulfilled requirement *b* as well as part of seminar requirement *g*. Requirements are as follows: (a) 3 hours of POL 496; (b) 3 hours of POL 461 or 497; (c) 3 hours of POL 441; (e) 3 hours of POL 451; (f) 3 hours of POL 417; (g) a total of 12 hours of POL 400-level seminars chosen from POL 411, 417, 421, 431, 433, 441, 451, 461, 463, 470, 497 (NOTE: One seminar only may be replaced with 3 hours of summer POL 400 or 490, with prior approval of the Graduate Coordinator and a letter from the instructor certifying that the content adequately substitutes for a regular seminar.); (h) if completing with thesis, 4-6 hours of POL 499; and (i) electives as needed to reach a total of 32 hours, representing a range of sub-disciplines of political science, chosen from POL 400-level or POL 300-level courses if listed in the Graduate Catalog. With prior approval of the Graduate Coordinator, electives may include up to 9 hours of relevant graduate courses from other departments.

Admission Requirements

To be admitted to the Master's Degree program in Political Science, a student should have at least a 3.0 grade point average for the last 60 hours of undergraduate work (where A equals 4.0). Also, one must have successfully completed at least 15 hours of Social Science, with a minimum 3.0 GPA. The Department requires submission of GRE (General Test) scores. Students must submit three letters of recommendation and a written personal statement directly to the Department Graduate Director. The personal statement, preferably typed, should address reasons for seeking admission to the Political Science graduate program at Illinois State. Students are also

required to submit a sample of their written academic work that best demonstrates their research skills.

Admission Deadline

The deadline for application to the master's program of the Department of Politics and Government are the following:

For fall semester: March 15

The graduate committee may in exceptional cases review applications received after the deadline.

Politics and Government Courses

305 TOPICS IN AMERICAN GOVERNMENT

3 sem. hrs.

Selected advanced topics covering specific topics in American Government. May be repeated if content is different; maximum of 6 hours. Prerequisites: POL 100, 106 and one of the following: POL 212, 213, 214, 215, 217, 218, 221, 222, 231, 232, 233, 236, or consent of the instructor.

310 VOTING AND ELECTIONS

3 sem. hrs.

Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analytical techniques. Prerequisites: Completion of 60 hours; POL 100, 106, or 138 or consent of the instructor.

312 PUBLIC OPINION

3 sem. hrs.

Includes attention to social and psychological bases of public opinion, current trends, methods of measurement, and opinion-policy linkages. Prerequisites: Completion of 60 hours; POL 100, 106, or 138 or consent of the instructor.

317 U.S. POLITICS AND CULTURE

AFTER VIETNAM

3 sem. hrs.

Examination of the impact of the Vietnam War on contemporary U.S. politics. Prerequisites: Completion of 60 hours; POL 100, 106, or consent of the instructor.

318 ADMINISTRATIVE LAW

3 sem. hrs.

An overview of administrative law topics such as legislative, executive, and judicial control of administrative actions, public and private access to information, the administrative hearing process, and other due process concerns. Prerequisites: Completion of 60 hours or consent of the instructor. POL 215 is recommended.

324 TOPICS IN PUBLIC LAW

3 sem. hrs.

Selected topics focusing on specialized aspects of public law. May be repeated if content different. Prerequisites: Completion of 60 hours; POL 100, 106, or consent of the instructor. POL 215 is recommended.

325 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS

3 sem. hrs.

Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship. Prerequisites: Completion of 60 hours or consent of the instructor. POL 215 is recommended.

326 CONSTITUTIONAL LAW: DUE PROCESS RIGHTS

3 sem. hrs.

Major Supreme Court decisions involving both procedural and substantive due process rights. Prerequisites: Completion of 60 hours or consent of the instructor. POL 215 is recommended.

327 CONSTITUTIONAL LAW: EQUALITY AND FREE EXPRESSION

3 sem. hrs.

Major Supreme Court decisions involving discrimination, and freedom of speech, press, assembly, and religion. Prerequisites: Completion of 60 hours or consent of the instructor. POL 215 is recommended.

330 PROBLEMS OF PUBLIC ADMINISTRATION

3 sem. hrs.

Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, and applied behavioral techniques. May be repeated if content is different. Prerequisite: POL 231 or consent of the instructor.

331 HUMAN RESOURCE MANAGEMENT

3 sem. hrs.

The personnel process in American bureaucracy: matching the individual and the job; employer-employee relations; employee motivation; problems and prospects. Prerequisite: POL 231 or consent of the instructor.

333 POLITICS, BUDGETS, AND TAXES

3 sem. hrs.

Meaning, significance, content and historical evolution of government budgeting processes and reforms at all levels of government, as well as the political implications of fiscal reforms. Prerequisite: POL 231 or consent of the instructor.

334 THE POLITICS OF RACE, ETHNICITY AND INEQUALITY

3 sem. hrs.

Analysis of contending theories and ideologies concerning the role of race and ethnicity in American politics and public policy. Prerequisite: POL 100 or 106 or consent of the instructor; POL 214 or 231 or 232 or 327 is recommended.

337 GAY AND LESBIAN POLITICS AND THEORY

3 sem. hrs.

Explores LGBT (lesbian, gay, bisexual, and transgender) political movements in historical context and with reference to claims for citizenship. Prerequisite: WGS 120 or POL 225, or consent of the instructor.

338 GENDER AND POLITICAL THEORY

3 sem. hrs.

Examination of how gender shapes and is shaped by public policy formulation and implementation in different political and state contexts. Prerequisite: WGS 120 or POL 225, or consent of instructor.

339 PLAYGROUND TO POLITICS

3 sem. hrs.

Explores Generation Y in politics, media, economic and education systems. Prerequisites: Completion of 60 hours or consent of the instructor; POL 161 is recommended.

340 TOPICS IN LATIN AMERICAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Latin American politics. May be repeated if content is different. Prerequisite: One of the following: HIS 263; POL 140, 240; or consent of the instructor.

344 TOPICS IN GLOBAL STUDIES**3 sem. hrs.**

An intensive review and analysis of critical global problems and strategies for dealing with them. May be repeated if content is different. Prerequisite: One of the following: POL 150, 151, 251, 252, 254, 255, or consent of the instructor.

345 TOPICS IN ASIAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Asian Politics. May be repeated if content is different. Prerequisite: One of the following: HIS 373, 375; POL 140, 245, 255, or consent of the instructor.

349 TOPICS IN MIDDLE EAST POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Middle East politics. May be repeated if content is different. Prerequisite: One of the following: HIS 272; POL 140, 247; or consent of the instructor.

351 INTERNATIONAL LAW**3 sem. hrs.**

Political nature, legal principles, and juridical procedures and cases of contemporary international law. Prerequisite: One of the following: POL 151, 251, 252, 254, 255, or consent of the instructor.

352 HUMAN RIGHTS**3 sem. hrs.**

General overview of human rights: philosophical foundation, historical development, main documents, institutions, movements and campaigns. Prerequisites: POL 140, 151, 251, 252, 254, or 255, or consent of the instructor.

357 THE POLITICS OF MICROFINANCE**3 sem. hrs.**

Explores microfinance and its sociopolitical effect on gender empowerment and outreach to various ethnicities in need of economically sustainable support. Prerequisites: POL 140 or 141 and POL 150 or 151, or consent of the instructor.

358 INTERNATIONAL POLITICAL ECONOMY**3 sem. hrs.**

An analysis of the structures of political power in the international political economy. Prerequisite: One of the following: POL 151, 251, 252, 254, 255, or consent of the instructor.

361 TOPICS IN POLITICAL THEORY**3 sem. hrs.**

Selected advanced topics covering specific concepts or authors in political theory. May be repeated if content is different. Prerequisites: POL 100, 106, or 161 or completion of 60 semester hours, or consent of the instructor.

363 POLITICAL THEORIES OF NONVIOLENCE**3 sem. hrs.**

Analysis of contending theories and approaches regarding non-violence and civil disobedience. Prerequisite: One of the following: POL 100, 106, 161, 261, 262, 265, or consent of the instructor.

Seminars/Topics Courses

The content of the following seminars/topics will vary according to the interests of the particular instructor offering the course. Provided different material is covered, a seminar/topic may be repeated.

411 SEMINAR IN AMERICAN POLITICS**3 sem. hrs.**

Survey of major issues and theories of American politics, including those related to the presidency, Congress, political parties, and elections.

412 TOPICS IN AMERICAN POLITICS**3 sem. hrs.**

A selected topic, e.g., presidency, Congress, mass political behavior, selected policy problems, etc. May be repeated once if content is different.

417 POLITICAL CULTURES**3 sem. hrs.**

Examines the role of political culture in shaping political life and the ways it is used in political research. Prerequisite: Graduate standing in Politics and Government, or consent of the instructor.

421 SEMINAR IN STATE AND LOCAL POLITICS**3 sem. hrs.****422 SEMINAR IN URBAN POLITICS****3 sem. hrs.****431 SEMINAR IN PUBLIC ADMINISTRATION****3 sem. hrs.**

Overview of the key issues, problems and theories that confront agency level officials and those who work with government and/or nonprofit organizations.

432 SEMINAR IN JUDICIAL POLITICS**3 sem. hrs.**

Survey of various explanations of judicial processes and policies.

433 TOPICS IN PUBLIC ADMINISTRATION**3 sem. hrs.**

A selected topic, e.g., organization theory and behavior, public management, personnel, etc. May be repeated once if content is different.

441 SEMINAR IN COMPARATIVE POLITICS**3 sem. hrs.**

Theoretical frameworks of comparative politics for explaining development, democracy, and governance. Prerequisite: Graduate standing in Politics and Government or consent of the instructor.

442 TOPICS IN COMPARATIVE POLITICS**3 sem. hrs.**

A selected region, e.g., Western Europe, Middle East, Africa, Latin America, etc., or selected topic, e.g., global development. May be repeated once if content is different.

451 SEMINAR IN INTERNATIONAL RELATIONS
3 sem. hrs.

Provides thorough introduction to main theoretical literatures, policies and practices in the field of international relations as preparation for research in the topics seminar (POL 452). May be repeated once if content is different.

452 TOPICS IN INTERNATIONAL RELATIONS
3 sem. hrs.

Focuses on a compelling theoretical, policy or practice-related issue or issues in the field of international relations to provide students with an opportunity for in depth research. May be repeated once if content is different.

461 SEMINAR IN POLITICAL THEORY
3 sem. hrs.

Study of political theories and ideologies from antiquity to modernity. Seminar may focus on particular political thinkers or normative political issues and themes. May be repeated once if content is different.

463 SEMINAR IN DEMOCRATIC THEORY
3 sem. hrs.

This course provides a broad introduction to contemporary democratic theory. May be repeated once if content is different. Prerequisite: Graduate student or consent of the instructor.

470 SEMINAR IN COMMUNITY DEVELOPMENT
3 sem. hrs.

The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Also offered as SOC 470. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of the instructor.

477 COMMUNITY PROJECT DESIGN AND MANAGEMENT
3 sem. hrs.

Design, planning, and implementation skills for leadership of community development projects. Focus on applied research, group process, budget management, and grant writing. Also offered as SOC 477. Prerequisite: Graduate standing in POL, ECO, or SOA, or consent of the instructor

478 TOPICS IN ADMINISTRATION AND PLANNING
2 sem. hrs.

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Also offered as ECO/SOC 478. Prerequisite: Graduate standing in ECO, POL, or SOC, or consent of the instructor.

490 READINGS IN POLITICAL SCIENCE
1-3 sem. hrs.

For the student who would benefit from more specialized or independent study adapted to his/her background and needs. To be taken only with permission of the student's advisor. May be repeated if content is different.

490A01 DEMOCRACY AND HUMAN RIGHTS IN PERU
3 sem. hrs.**491 INTERNSHIP IN COLLEGE TEACHING IN POLITICAL SCIENCE**
3 sem. hrs.

Credit for the course is given in the School of Teaching and Learning (see TCH 491).

495 GRADUATE RESEARCH IN APPLIED COMMUNITY DEVELOPMENT
3 sem. hrs.

Taken in conjunction with POL 498.12. Involves independent research on a substantive problem in community development associated with the student's professional practice experience. Prerequisite: POL 498A12 or concurrent registration.

496 INTRODUCTION TO POLITICAL INQUIRY
3 sem. hrs.

This course intends to provide an analysis of different modes of political inquiry.

497 INTRODUCTION TO RESEARCH METHODOLOGY
3 sem. hrs.

An introduction to empirical political analysis, concentrating on selection of a research problem, collection of data, research design, and execution of a complete research project. Emphasis on understanding and interpreting frequently used statistical concepts. Provides a background for the preparation of the thesis. Enables the student to become an intelligent consumer of the products of professional political science research.

498 PROFESSIONAL PRACTICE
1-6 sem. hrs.

Refer to the Index for General Courses. Public service or community development internship.

498A11 PROFESSIONAL PRACTICE: PUBLIC SERVICE
1-12 sem. hrs.

Refer to the Index for General Courses. Public service internship.

498A12 PROFESSIONAL PRACTICE: COMMUNITY DEVELOPMENT
1-12 sem. hrs.

For graduate students enrolled in the Peace Corps/Applied Community and Economic Development Program. Community development internship. Refer to the Index for General Courses.

498A15 PROFESSIONAL PRACTICE: STEVENSON CENTER ASSISTANTSHIP
1 sem. hr.

Refer to the Index for General Courses.

498A90 PROFESSIONAL PRACTICE: COMMUNITY DEVELOPMENT FINAL YEAR
1-12 sem. hrs.

Refer to the Index for General Courses. Community development internship in final year.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS****1-5 sem. hrs.**

Refer to the Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM****1 sem. hr.**

Refer to the Index for General Courses.

PSYCHOLOGY (PSY)

435 DeGarmo Hall (309) 438-8651
Psychology.IllinoisState.edu

See the department's website for links to specific programs and sequences.

Chairperson: J. Scott Jordan. Office: 435E DeGarmo Hall.
Graduate Program Coordinators: Matthew Hesson-McInnis, Karen Mark, Dawn McBride, Kimberly Schneider, Mark Swerdlik, Corinne Zimmerman.
Graduate Faculty: Bergner, Berk, Binning, Braswell, Catanzaro, Cates, G. Creasey, K. Critchfield, T. Critchfield, Croker, Cutting, DeSouza, Farmer-Dougan, Han, Heidenreich, Hesson-McInnis, Hoff, House, Huber, Hund, Ilie, Ispas, Jordan, Kahn, Landau, Mark, McBride, Meyers, Nauta, Parris, Pryor, Puri, Reeder, Reese-Weber, Rivadeneyra, K. Schneider, W. Schneider, Simpson, Stevens, Swerdlik, Tobin, Wagman, Wesselmann, Zimmerman.

Degrees Offered

The Department of Psychology offers the Master of Arts degree and the Master of Science degree in Psychology and in Clinical-Counseling Psychology, the Specialist degree in School Psychology, and the Doctor of Philosophy degree in School Psychology. All graduate students are required to take PSY 440, and must complete a thesis, dissertation, or clinical-counseling capstone project. Each program's requirements are given below. The department also operates the Psychological Services Center (PSC) for the assessment and treatment of children and families. Some graduate students enrolled in the practica spend part of their time working in the PSC.

Admission Requirements

To be admitted to a Psychology degree program, an applicant must complete the online Graduate Application and submit to the University's Admissions Office an official transcript from every institution of higher learning attended and official Graduate Record Examination General Test scores, and have at least a 3.0 grade point average in the last 60 hours of undergraduate work. Applicants are to provide three letters of recommendation to the department. Doctoral applicants must be available for a campus interview. A writing sample is required for all applicants, except for the Industrial/Organizational-Social Psychology sequence and the Quantitative Psychology sequence. Complete details about application policies and procedures are posted on the department's website.

Prospective students applying for admission to the Clinical-Counseling Psychology program are required to have 15 hours of undergraduate classes in Psychology that include introductory psychology or an equivalent course, statistics or equivalent, research design or equivalent, abnormal psychology or equivalent, and a learning theory course or equivalent.

Students applying for admission to the School Psychology programs and the Psychology program (with sequences in Cognitive

and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, and Quantitative Psychology) are required to have completed a minimum of 21 semester hours in undergraduate psychology classes that include introductory psychology or an equivalent course, statistics or equivalent, and research design or equivalent.

School Psychology Programs

Doctor of Philosophy (Ph.D.) in School Psychology

The doctoral program in school psychology is currently accredited by the Committee on Accreditation of the American Psychological Association, 750 First Street, NE, Washington, DC 20002-4242, (202) 336-5979. This program is also approved by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education and the Illinois State Board of Education. The doctoral program is designed to prepare professionals to assume a variety of leadership positions in the field, including direct service provider, supervisor of psychological services, and university educator. Graduates work in a variety of settings such as public and private schools, universities, hospitals, mental health centers, and independent practice. Graduates of the doctoral program, with the required post-doctoral experience, are eligible for the state licensing examination for clinical psychologists, as well as for the state and national certification examinations for school psychologists.

This program includes formal coursework; practica; passing a comprehensive examination; completing a year-long internship, research apprenticeship or master's thesis, and a dissertation; and completing a minimum of 101 hours. Requirements include completion of core courses in the basic areas of psychology including PSY 320, 418, 420, 431, 451 (or equivalent), 452, 463, 472, 547, and research (PSY 440, 499 or 502, 503, 599, and 6 hours of research electives). Students are also required to complete courses in the four skill areas of assessment (PSY 432, 433, 435), intervention (PSY 421, 473), supervision/administration (PSY 536), and consultation/program evaluation (PSY 474). Students complete 19 hours of practica, 6 hours of elective courses, and an internship (PSY 598). Students are required to be in residence for at least one academic year. See residency requirements defined in this catalog.

Doctoral students have the option of earning a Master's degree in General Psychology while they are completing their doctorate by completing a minimum of 32 hours. Requirements include completion of a Master's thesis (4 hours of PSY 499), a series of required core courses of PSY 418, 420, and 440, and the following additional courses: PSY 421, 432, 433, 452, 472, 473 and 474.

The Department operates the Psychological Services Center (PSC) and participates in a multidisciplinary psychoeducational center for the assessment and treatment of children and families. These along with a variety of other schools and agencies serve as practicum sites for both the Ph.D. and SSP school psychology programs.

Specialist in School Psychology (S.S.P.)

This program is approved by the Illinois State Board of Education and by the National Association of School Psychologists/National Council for the Accreditation of Teacher Education. Graduates of the specialist program are eligible to sit for the state and national certification examinations for school psychologists. This program requires three years of full-time study and is designed to prepare students to function as school psychologists in public schools. As part of a year-long practicum, students work in the Psychological Services Center and in school-based sites. Students may choose to complete an Applied Research Experience in School Psychology (PSY 402) or a research thesis and must complete an internship. Sixty (60) hours are required including PSY 347, 402 (4 hours), TCH 407, PSY 421, 432, 433, 435, 436A04 (6 hours), 436A05 (6 hours), 440, 452, 463, 472, 473, 474, 498A05 (4 hours for first year fieldwork experience), 498A01 (2-4 hours for full-time internship), SED 422 and 593 (1 hour). PSY 347 or equivalent required if not taken as part of an undergraduate course of study.

Clinical-Counseling Psychology Program (M.A./M.S.)

This program requires two years of full-time study and is designed to prepare students to provide counseling services in settings such as mental health centers, family service agencies, employee assistance programs, community colleges, substance abuse treatment facilities, and other mental health positions. The program includes at least two semesters of practica in community settings which build on coursework in basic psychology, psychological assessment, and theories and techniques of psychotherapy. Practicum placements prepare students to work with a diverse clientele. Students who complete this program meet curricular requirements to sit for both the Illinois Licensed Clinical Professional Counselor and Licensed Professional Counselor Examinations (Psychology.IllinoisState.edu/cc/LPCrequirements.shtml). Students must complete a thesis (PSY 499) or a clinical-counseling capstone project (PSY 490). Forty-eight (48) hours are required, including PSY 420, 421, 436A02 (at least 6 hours), 437, 438, 440, 451, 464, 465, 466, 467, 468, and 470. Additional courses must be chosen in consultation with the coordinator of the Clinical-Counseling Psychology program. Students completing a clinical-counseling capstone project must take 3 hours of approved elective credit. PSY 400 may not be substituted for elective course credit. Students must maintain continuous enrollment and registration from the time of admission until degree completion.

Psychology Program (M.A./M.S.)

Students are admitted into the Psychology master's degree program in one of the following sequences: Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, or Quantitative Psychology. Students may choose to complete requirements for two sequences simultaneously. All sequences require PSY 440 and a minimum of four (4) hours of PSY 499 (Master's Thesis). Only 4-6 hours of PSY 499 count toward the degree. Sequence requirements and descriptions are given below.

Cognitive and Behavioral Sciences Sequence

This sequence of study emphasizes the development of topical, methodological, and quantitative skills in basic research content areas. The training is applicable to doctoral study (especially in behavioral neuroscience and cognitive science), community college teaching, and certain positions emphasizing research in the business-industrial sector or empirical decision-making in non-clinical behavior management. A thesis is required. Thirty-seven (37) hours are required including PSY 400 (or BSC 400), 418, 427, 440, 441, 455, 462, 463, 480, 499, and one extra-departmental or intra-departmental elective course.

Developmental Psychology Sequence

This sequence is designed for students who plan to pursue doctoral work or a career applying developmental psychology principles in their work. Students may also complete the Graduate Certificate in Women's and Gender Studies or the Graduate Certificate in Social Aspects of Aging. See a description of these opportunities below. A thesis is required. Students may complete professional practice opportunities for credit in addition to coursework. First and second year students must enroll in PSY 428 for one credit hour each semester for a total of four credit hours. Thirty-six (36) hours are required including PSY 331A01, 428, 452, 453, and 499.

Industrial/Organizational-Social Psychology Sequence

This sequence prepares students to apply psychological theory and methodology in various employment settings involving human resources management, personnel administration, workforce training, organizational development, or organizational research. This sequence, which can be completed in two years, also prepares students to enter doctoral programs. Students may elect professional practice placements or conduct research in a variety of areas of Industrial/Organizational Psychology and Social Psychology. A thesis is required. Forty-one (41) hours are required including PSY 375, 376, 426, 431, 440, and 499. Three of the following courses are also required: PSY 441, 442, 443, 444, or 445. One of the following courses is also required: PSY 418 or 420. Additional courses must be selected with the assistance of the sequence coordinator based on the student's focus (Industrial/Organizational Psychology or Social Psychology).

Quantitative Psychology Sequence

This sequence covers basic and applied statistics relevant to all areas of psychology. Students have the opportunity to develop substantive research interests in psychology, statistical consulting skills, and teaching skills. Students who complete the sequence are prepared to enter doctoral programs, provide statistical consultation, work in applied research settings, and teach. Thirty-two (32) hours are required, including a research thesis and PSY 425, 440, 441, 442, 443, 444, 445, 499 and six (6) hours of elective courses at the 400 level in Psychology excluding PSY 400, 426, 427, 428, 491 498.

Additional Training Options: Certificates

Graduate Certificate in Women's and Gender Studies

The Graduate Certificate in Women's and Gender Studies is an option for students whose interest in women and gender issues leads them toward particular courses and thesis topics in their department or school and to seek further work in interdisciplinary feminist theory and methods. For admission requirements and other information, see the Women's and Gender Studies section of this catalog.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multi-disciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Health Sciences, Psychology, Communication Sciences and Disorders and the School of Social Work. For admission requirements and other information, see the Department of Sociology and Anthropology section of this catalog.

Psychology Courses

301 INFANT AND CHILD DEVELOPMENT 3 sem. hrs.

Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence. Prerequisite: PSY 110 or 111.

302 ADOLESCENT DEVELOPMENT 3 sem. hrs.

Psychosocial issues are covered across developmental contexts for adolescents experiencing fundamental biological, cognitive, and social changes. Prerequisites: PSY 110 or 111; PSY 213 or 215 or 231 or TCH 210.

303 ADULT DEVELOPMENT AND AGING 3 sem. hrs.

A study of physical, cognitive, and personality development during adulthood, with emphasis on theories, empirical data, research methods, and current issues. To receive graduate credit for this course, students will complete an independent project in addition to the regular course requirements. Prerequisite: PSY 110 or 111.

305 PSYCHOLOGY OF WOMEN 3 sem. hrs.

Psychological research to place in scientific perspective the etiology and behavioral consequences of female- and male-oriented attitudes. Prerequisite: PSY 110 or 111.

320 HISTORY OF PSYCHOLOGY 3 sem. hrs.

Historical antecedents of modern psychology. Examination of modern psychology from a systematic point of view. Prerequisites: PSY 110 or 111, 213 or 233 or PSY/SOC 223, and PSY 253 or 263; or graduate status in Psychology.

331 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY 3 sem. hrs.

Advanced research course focusing on particular content areas. May be repeated if content is different. Materials charge is optional for some topics. Topics concentrate in different areas. (See topics below.) Prerequisites: PSY 138 and 231, or consent of the department. PSY major only.

331A01 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY: DEVELOPMENTAL 3 sem. hrs.

Advanced research course focusing on particular content areas. Prerequisites: PSY 138 and 231, or consent of the department. PSY major only

331A03 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY: OPERANT BEHAVIOR 3 sem. hrs.

Advanced research course focusing on particular content areas. Materials charge optional. Prerequisites: PSY 138 and 231, or consent of the department. PSY major only.

331A05 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY: SOCIAL 3 sem. hrs.

Advanced research course focusing on particular content areas. Prerequisites: PSY 138 and 231, or consent of the department. PSY major only.

331A07 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY: COGNITIVE PROCESSES 3 sem. hrs.

Advanced research course focusing on particular content areas. Prerequisites: PSY 138 and 231, or consent of the department. PSY major only.

331A11 STUDIES IN EXPERIMENTAL PSYCHOLOGY: PERSONALITY 3 sem. hrs.

This course will focus on research methods in Personality Psychology and Psychopathology. Prerequisites: PSY 138 and 231, or consent of the department. PSY major only.

331A12 LABORATORY IN RESEARCH METHODS FOR PSYCHOLOGY: INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 3 sem. hrs.

An advanced course in industrial and organizational (I/O) psychology covering several aspects of I/O research. Prerequisites: PSY 138 and 231 or consent of the department. PSY 230 is recommended. PSY major only.

333 PRINCIPLES OF BEHAVIOR MODIFICATION 3 sem. hrs.

Principles of behavior modification with an emphasis upon their use in a variety of educational and clinical settings. Prerequisite: PSY 110 or 111.

334 PSYCHOLOGICAL MEASUREMENT 3 sem. hrs.

Use of psychological testing in applied settings and fundamentals of measurement theory, including interpretation of test scores, reliability and validity assessment, and test development. Prerequisites: PSY 110 or 111; ECO 138 or GEO 138 or MAT 250 or 351 or MQM 100 or POL 138 or PSY 138 or consent of the department.

340 STATISTICS FOR THE SOCIAL SCIENCES
3 sem. hrs.

Advanced statistical techniques for the behavioral sciences including hypothesis testing, inferential statistics, and data analysis using SPSS. Prerequisites: Grade of C or better in PSY 138; MAT 120 or 121 or 144 or 145. Psychology major only.

346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN
3 sem. hrs.

A study of the socio-psychological factors influencing the exceptional child's cognitive and affective development with implications for those working with exceptional children. May include clinical experiences. Prerequisite: PSY 110 or 111.

347 BEHAVIOR DISORDERS IN CHILDREN
3 sem. hrs.

Medical, psychological, and sociological aspects of behavioral disorders of children. Prerequisite: PSY 110 or 111.

350 PSYCHOPATHOLOGY
3 sem. hrs.

An overview of various forms of psychopathology with an emphasis on etiology, characteristics, and treatment. Prerequisite: PSY 110 or 111.

360 LEARNING
3 sem. hrs.

Experimental data bearing on the problem of learning; learning theory; learning data and theory in relation to applied problems. Prerequisites: PSY 110 or 111; PSY 231.

361 PERCEPTION
3 sem. hrs.

An overview of the philosophical, physical, physiological, and psychological aspects of perception; the relationship of perception to action. Prerequisites: PSY 110 or 111; PSY 231.

364 MOTIVATION
3 sem. hrs.

Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social, and educational areas. Prerequisites: PSY 110 or 111; PSY 231.

365 DYNAMICS OF SOCIAL BEHAVIOR
3 sem. hrs.

An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc. Prerequisites: PSY 110 or 111; PSY 223 or SOC 223.

367 INTRODUCTION TO BEHAVIORAL PSYCHOPHARMACOLOGY
3 sem. hrs.

Foundation concepts of behavioral psychopharmacology including basic brain anatomy and physiology, neural mechanisms of drug action, and examination of drug action and behavior. Prerequisites: PSY 110 or 111; PSY 231; and BSC 101 or 196. PSY 263 is recommended.

368 HUMAN MEMORY
3 sem. hrs.

Basic theories and findings in the study of human memory with a focus on organization, development, distortions, and disorders. Prerequisites: PSY 110 or 111; PSY 231.

369 PSYCHOLINGUISTICS
3 sem. hrs.

Basic theories and findings in the study of psychological processes of language use. Prerequisites: PSY 110 or 111; PSY 231.

375 PERSONNEL PSYCHOLOGY
3 sem. hrs.

Procedures, methods, and professional issues relevant to matching job candidates' personal attributes to the requirements of specific jobs; emphasis is on personnel selection, training, and EEO legal compliance. Prerequisite: PSY 230 or 334.

376 ORGANIZATIONAL PSYCHOLOGY
3 sem. hrs.

Research methods and results concerning social psychology of work organizations. Descriptions of practices in organizational psychology. Not for credit if had MQM 221 or 421. Prerequisite: PSY 230.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses.

402 APPLIED RESEARCH EXPERIENCE IN SCHOOL PSYCHOLOGY
2 sem. hrs.

Participation in an applied research project under supervision of faculty. Includes conceptualizing research questions, collecting, analyzing, and interpreting data. May be repeated for maximum of 4 hours. Prerequisite: Graduate standing in School Psychology Specialist program.

418 LEARNING AND COGNITION
3 sem. hrs.

A consideration of historical and contemporary theories of learning and cognition, and their relationship to experimental data at the biological, behavioral, perceptual, cognitive, and social levels of analysis. Prerequisite: Graduate standing in Psychology or consent of the department.

420 THEORIES OF PERSONALITY
3 sem. hrs.

Analysis of major theoretical formulations concerning personality with emphasis upon their current status and evidential bases. Prerequisite: Graduate standing in Psychology or consent of the department.

421 ADVANCED BEHAVIOR MODIFICATION
3 sem. hrs.

Techniques for changing behavior through manipulation of environment. General principles of conditioning plus their application to patterns of problem behavior. Prerequisite: Graduate standing in Psychology or consent of the department.

425 QUANTITATIVE PSYCHOLOGY PROFESSIONAL SEMINAR
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. May be repeated for a maximum of 4 hours. Prerequisite: Graduate standing in Quantitative Psychology Sequence or consent of the instructor.

**426 RESEARCH AND PRACTICE IN
I/O-SOCIAL PSYCHOLOGY**
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. May be repeated for a maximum of 4 hours. Prerequisite: Graduate standing in Industrial/Organizational-Social Psychology.

**427 COGNITIVE AND BEHAVIORAL
SCIENCES PRO-SEMINAR**
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. May be repeated for a maximum of 4 hours. Prerequisite: Graduate standing in Cognitive and Behavioral Sciences.

**428 PROFESSIONAL SEMINAR IN
DEVELOPMENTAL PSYCHOLOGY**
1 sem. hr.

Provides students and faculty an opportunity to exchange information, present research, examine professional issues, and explore professional practice issues. May be repeated for a maximum of 4 hours. Prerequisite: Graduate standing in Developmental Psychology.

**431 THEORY AND RESEARCH IN
SOCIAL PSYCHOLOGY**
3 sem. hrs.

Topics include methods of research in social psychology, social cognition, persuasion, sex roles, self, helping and aggression, and group processes. Prerequisite: Graduate standing in Psychology or consent of the department; undergraduate social psychology course is recommended.

**432 THEORY AND PRACTICE OF
COGNITIVE ASSESSMENT**
3 sem. hrs.

Theory of and training in individual mental testing with emphasis on the Binet and the Wechsler tests. Materials charge optional. Prerequisite: Graduate standing in School Psychology, Clinical-Counseling Psychology, or consent of the department.

**433 SOCIAL EMOTIONAL AND
BEHAVIORAL ASSESSMENT
AND INTERVENTION**
3 sem. hrs.

Theoretical foundations and applied training in methods of assessing social, emotional, and behavioral problems and how these methods link to interventions. Materials charge optional. Prerequisite: Graduate standing in School Psychology or Clinical-Counseling Psychology.

**435 ACADEMIC ASSESSMENT AND
INTERVENTION**
3 sem. hrs.

Assessment, diagnosis, and review of empirically supported intervention methods for psychoeducational problems including learning disabilities. Materials charge optional. Prerequisites: PSY 432 and graduate standing in School Psychology.

436 PRACTICUM
1-12 sem. hrs.

Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen to twenty hours per week. May be repeated for a maximum of 12 hours (see topics below). Prerequisite for Clinical-Counseling Psychology: Must be graduate student in the second year of Clinical-Counseling Psychology program. Prerequisites for School Psychology: PSY 432, 433, 435; must be graduate student in at least the second year of the School Psychology program.

436A02 CLINICAL-COUNSELING PSYCHOLOGY
1-12 sem. hrs.

Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen to twenty hours per week. May be repeated for a maximum of 12 hours. Prerequisite: Must be graduate student in the second year of Clinical-Counseling Psychology program.

**436A04 PSYCHOEDUCATIONAL ASSESSMENT AND
INTERVENTION**
1-12 sem. hrs.

Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen to twenty hours per week. May be repeated for a maximum of 12 hours

**436A05 PSYCHOSOCIAL ASSESSMENT AND
INTERVENTION**
1-12 sem. hrs.

Clinical practice in university facilities and outside agencies. Provides training in diagnosis and treatment. Fifteen to twenty hours per week. May be repeated for a maximum of 12 hours

**437 GROUP PSYCHOTHERAPY
AND COUNSELING**
3 sem. hrs.

Theory and research in group dynamics and techniques of group therapy and counseling. Indirect experience as group member and group leader through role-playing and experiential exercises. Prerequisites: PSY 464 or 473; and graduate standing in Clinical-Counseling or School Psychology or consent of the department.

**438 TECHNIQUES OF OBJECTIVE
PSYCHOLOGICAL ASSESSMENT**
3 sem. hrs.

Clinical application of representative techniques of objective measurement. Selection, integration, and interpretation of tests will be included. Materials charge optional. Prerequisite: Graduate standing in Clinical-Counseling Psychology or consent of the department.

**440 STATISTICS: DATA ANALYSIS
AND METHODOLOGY**
3 sem. hrs.

Conceptual foundations of empirical hypothesis testing and advanced aspects of data analysis using SPSS, building on procedural knowledge covered in undergraduate statistics courses. Prerequisites: Graduate standing in Psychology, undergraduate course in statistics, and completion of placement test; or consent of the department.

441 EXPERIMENTAL DESIGN
3 sem. hrs.

Statistical principles of experimental design; selection, analysis, and interpretation of Analysis of Variance and Covariance designs in the behavioral sciences. Prerequisite: PSY 440.

442 TEST THEORY
3 sem. hrs.

Theory and principles of test reliability and validity, topics in test theory, and statistical procedures applicable to psychometric methods. Prerequisites: PSY 440; basic knowledge of norms, reliability, validity, and test construction.

443 REGRESSION ANALYSIS
3 sem. hrs.

Fundamentals of regression analysis in psychology; mediator and moderator analyses; multilevel modeling; research methods and designs common to regression analysis. Formerly *LIN-EAR REGRESSION*. Prerequisite: PSY 440.

444 MULTIVARIATE ANALYSIS
3 sem. hrs.

Topics covered include basic matrix algebra and linear transformations, analysis of covariance with multiple covariates, multivariate significance tests of group differences, discriminant analysis, and multivariate analysis of variance. Prerequisite: PSY 440.

445 COVARIANCE STRUCTURE MODELING
3 sem. hrs.

Theoretical, methodological, and applied concepts of covariance structure modeling and latent variable modeling in psychological research. Prerequisite: PSY 444.

451 PSYCHOLOGY OF DIVERSITY
3 sem. hrs.

Examination of theoretical, methodological, and applied issues relevant to the study and practice in psychology in multicultural settings. Prerequisite: Graduate standing in Psychology or consent of the department.

452 SEMINAR IN DEVELOPMENTAL PSYCHOLOGY
3 sem. hrs.

Examination of historical and contemporary theories, research, and applications of development. Cognitive, social, biological, behavioral, and cultural aspects of development considered. Prerequisite: Graduate standing in Psychology or consent of the department.

453 SEMINAR IN ADOLESCENT DEVELOPMENT
3 sem. hrs.

Examination of theories, methodologies, and topics in the study of normal adolescent development using an interdisciplinary approach. Prerequisite: Graduate standing in Psychology or consent of the department.

455 COGNITIVE SCIENCE
3 sem. hrs.

Advanced overview of the interdisciplinary field of cognitive science focusing on readings from philosophy, computer science, psychology, and theoretical biology. Prerequisite: PSY 418 or consent of the department.

460 SEMINAR IN SOCIAL PSYCHOLOGY
3 sem. hrs.

This course provides students with in-depth coverage of selected topics in social psychology in a seminar format. May be repeated if content different for a maximum of 6 hours. Prerequisites: PSY 431; and graduate standing in Industrial/Organizational-Social Psychology or consent of the department.

462 EXPERIMENTAL ANALYSIS OF BEHAVIOR
3 sem. hrs.

Current research and theory on operant and respondent conditioning. Prerequisite: PSY 360 or 418 or consent of the department.

463 BRAIN AND BEHAVIOR RELATIONSHIPS
3 sem. hrs.

A survey of the relationship of the brain to various behavioral systems with particular emphasis on the developing brain. Prerequisites: Graduate standing in Psychology; basic knowledge of physiological psychology.

464 THEORIES AND TECHNIQUES OF COUNSELING: ADULTS
3 sem. hrs.

Major theoretical positions applied to counseling approaches. Emphasis on science-informed practices relevant to contemporary issues with diverse populations and settings. Prerequisite: Graduate standing in Clinical-Counseling Psychology or consent of department; personality course is recommended.

465 VOCATIONAL COUNSELING
3 sem. hrs.

Theory and research in vocational development and counseling. Acquiring and using occupational and educational information. Prerequisite: Graduate standing in Clinical-Counseling Psychology or consent of the department.

466 SUBSTANCE ABUSE COUNSELING
3 sem. hrs.

The history, assessment methods, conceptual perspectives, intervention strategies, and empirical research relevant to substance abuse and its treatment. Prerequisite: Graduate standing in Clinical-Counseling Psychology or consent of the department.

467 FAMILY THERAPY
3 sem. hrs.

Examination of the family systems approach to human problems, with emphasis on its central rationale, most prominent contemporary theories and their application. Prerequisite: Graduate standing in School Psychology or Clinical-Counseling Psychology or consent of the department.

468 ADVANCED PSYCHOPATHOLOGY AND MENTAL HEALTH DIAGNOSIS
3 sem. hrs.

Clinical use of mental health classification in counseling and other settings. Major focus on use of current *Diagnostic and Statistical Manual of Mental Disorders*. Prerequisites: PSY 350; and graduate standing in Clinical-Counseling Psychology or consent of the department.

470 LEGAL, ETHICAL, AND PRACTICE ISSUES IN CLINICAL-COUNSELING PSYCHOLOGY
3 sem. hrs.

Survey of practice issues and roles assumed by psychologists as mental health professionals. Emphasis on legal and ethical guidelines and issues. Prerequisite: Graduate standing in Clinical-Counseling Psychology or consent of the department.

472 LEGAL, ETHICAL, AND PROFESSIONAL ISSUES IN SCHOOL PSYCHOLOGY
3 sem. hrs.

Examination of the roles, functions, and professional problems in School Psychology. Prerequisite: Graduate standing in School Psychology.

473 THEORIES AND TECHNIQUES OF COUNSELING: CHILDREN AND ADOLESCENTS
3 sem. hrs.

Introduction to the main theories of psychosocial assessment and intervention, supporting research, and practical applications with children and adolescents. Prerequisite: Graduate standing in School Psychology or consent of the department.

474 THEORY AND PRACTICE OF MENTAL HEALTH CONSULTATION IN THE SCHOOLS
3 sem. hrs.

Examination of consultation theory, research, and practice by school psychologists. Prerequisite: Graduate standing in School Psychology or consent of the department.

475 SEMINAR IN PERSONNEL PSYCHOLOGY
3 sem. hrs.

Examination of historical and contemporary theories, research, and applications of psychology in the context of various aspects of human resource management. Prerequisite: Graduate standing in Industrial/Organizational-Social Psychology or consent of the department.

476 SEMINAR IN ORGANIZATIONAL PSYCHOLOGY
3 sem. hrs.

Examination of theories and applications of organizational psychology. Focus on organizational conceptualizations, diagnoses, and interventions in organizations. Job-related attitudes, behaviors, and current issues relevant to changing nature of work also considered. Prerequisite: Graduate standing in the Industrial/Organizational-Social Psychology or consent of the department.

480 SEMINAR IN PSYCHOLOGY
1-3 sem. hrs.

Intensive study of special topics in psychology. May be repeated if content is different. Prerequisite: Graduate standing in appropriate Psychology program or sequence or consent of the department.

480A01 PSYCHOLOGICAL METHODS I
2-3 sem. hrs.

This course critically evaluates the use of single-subject research designs and associated methods of data analysis in basic and applied research. Prerequisites: Graduate standing in Psychology or consent of the department.

480A19 SCHOOL PSYCHOLOGY
1-3 sem. hrs.

Selected topics in the field of school psychology that have direct application to applied practice. Prerequisite: Graduate standing in School Psychology or consent of the department.

480A31 DIALECTICAL BEHAVIOR THERAPY SKILLS TRAINING GROUP
3 sem. hrs.

The purpose of this course is to teach a set of coping responses useful to participants in many areas of their lives. The group will combine lectures and discussions of key ideas from DBT literature. Prerequisite: Graduate standing in Clinical-Counseling Psychology program.

480A32 HUMAN MEMORY
3 sem. hrs.

Seminar examining issues related to the study of human memory with an emphasis on different forms of memory and current methods of research. Prerequisite: Graduate standing in Psychology or consent of the department.

480A33 SUPERVISION OF DBT SKILLS GROUP
3 sem. hrs.

The purpose of this course is to prepare students for the role of clinical supervisor that they may assume in their professional careers. Students will manage the ongoing DBT Skills Group and supervise students enrolled in PSY 480A31. Prerequisites: PSY 480A31 and 480A35; graduate standing in Clinical-Counseling Psychology; consent of the instructor.

480A34 ECOLOGICAL APPROACH TO PERCEPTION-ACTION
3 sem. hrs.

Seminar on the ecological approach to perception-action and the philosophical underpinnings of this approach. Prerequisite: Graduate standing in Psychology or consent of the department.

480A35 ADVANCED PRACTICUM FOR DIALECTICAL BEHAVIOR THERAPY SKILLS TRAINING GROUP
3 sem. hrs.

The purpose of this course is to teach a set of coping responses useful to participants in many areas of their lives. The group will combine lectures and discussions of key ideas from DBT literature. Prerequisites: PSY 480A31; graduate standing in Clinical-Counseling Psychology program; and consent of the instructor.

480A36 INTEGRATED BEHAVIORAL HEALTH
3 sem. hrs.

The goal of this course is to increase the knowledge, and therefore the ability, of students to participate more effectively in integrated behavioral health care settings. Prerequisite: Graduate standing in Clinical-Counseling Psychology, School Psychology, Social Work, or Nursing or consent of the department.

490 CLINICAL-COUNSELING CAPSTONE PROJECT
1-3 sem. hrs.

Capstone project involving theoretical, review, or position paper on a topic of contemporary relevance, completed under supervision of Clinical-Counseling faculty. Formerly *CLINICAL COMPETENCY PROJECT*. May be repeated for a maximum of 3 hours. Prerequisite: Graduate standing in Clinical-Counseling Psychology.

491 INTERNSHIP IN COLLEGE TEACHING OF PSYCHOLOGY
1-6 sem. hrs.

Pedagogy and methods in teaching psychology at the college level. May be repeated for a maximum of 9 hours. Prerequisites: Graduate standing in Psychology and consent of the program coordinator.

498 PROFESSIONAL PRACTICE
1-12 sem. hrs.

Refer to the Index for General Courses. Available in Psychology master's degree program (sequences in Cognitive and Behavioral Sciences; Developmental; Industrial/Organizational-Social; and Quantitative Psychology) and School Psychology. May be repeated for credit. Prerequisite: Consent of the program or sequence coordinator.

498A01 INTERNSHIP IN INDUSTRIAL AND ORGANIZATIONAL-SOCIAL
1-6 sem. hrs.

May be repeated for credit. Prerequisite: Consent of the program or sequence coordinator.

498A02 PROFESSIONAL PRACTICE IN DEVELOPMENTAL PSYCHOLOGY
1-6 sem. hrs.

May be repeated for credit. Prerequisite: Consent of the program or sequence coordinator.

498A04 PROFESSIONAL PRACTICE IN COGNITIVE AND BEHAVIORAL SCIENCES
1-12 sem. hrs.

May be repeated for credit. Prerequisite: Consent of the program or sequence coordinator.

498A05 FIRST YEAR FIELDWORK IN SCHOOL PSYCHOLOGY
2 sem. hrs.

Prerequisite: Consent of the program or sequence coordinator.

498A90 PROFESSIONAL PRACTICE IN PSYCHOLOGY FINAL TERM
1-2 sem. hrs.

Prerequisite: Consent of the program or sequence coordinator.

498A91 PROFESSIONAL PRACTICE IN QUANTITATIVE PSYCHOLOGY FINAL TERM
1 sem. hr.

Prerequisite: Consent of the program or sequence coordinator.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses. Departmental approval of thesis topic and chair required.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS
1-5 sem. hrs.

Refer to Index for General Courses. Departmental approval of thesis topic and chair required.

499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM
1 sem. hr.

Refer to Index for General Courses. Departmental approval of thesis topic and chair required.

500 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses. Prerequisite: Graduate standing in the School Psychology doctoral program.

502 RESEARCH APPRENTICESHIP
1-3 sem. hrs.

Provides the doctoral student with an intensive experience related to the development and implementation of an empirical research project. Prerequisite: Graduate standing in the School Psychology doctoral program.

503 DOCTORAL RESEARCH PROSEMINAR IN SCHOOL PSYCHOLOGY
1 sem. hr. over fall and spring semesters

Provides training to insure the development of a research proposal for the Ph.D. research apprenticeship/dissertation including the IRB. Prerequisite: First year enrollment in the School Psychology doctoral program.

536 SEMINAR AND PRACTICUM IN SUPERVISION OF SCHOOL PSYCHOLOGICAL SERVICES
3 sem. hrs.

Goal of the course is to prepare school psychologists to supervise colleagues at various stages of their professional development. Prerequisite: Graduate standing in the School Psychology doctoral program.

547 ADVANCED CHILD AND ADOLESCENT PSYCHOPATHOLOGY
3 sem. hrs.

Advanced study of the theories, characteristics, epidemiology, interventions, and research strategies involving the psychopathological disorders of childhood and adolescence. Prerequisite: Graduate standing in the doctoral program in School Psychology or consent of the department.

590 ADVANCED PRACTICUM IN SCHOOL PSYCHOLOGY
1-3 sem. hrs.

Supervised field or clinic-based experiences in counseling and therapy with children and adolescents, psychoeducational assessment, consultation/program evaluation, or supervision/administration. May be repeated for credit; see the following courses (590A01, 590A02, 590A03, and 590A04). Prerequisites: Graduate standing in the School Psychology doctoral program. Consent of the department.

590A01 ADVANCED PRACTICUM INTERVENTION
1-3 sem. hrs.

May be repeated for credit; maximum of 15 hours. Prerequisite: Graduate standing in the School Psychology doctoral program.

590A02 ADVANCED PRACTICUM ASSESSMENT
1-3 sem. hrs.

May be repeated for credit; maximum of 15 hours. Prerequisite: Graduate standing in the School Psychology doctoral program. Consent of the department.

590A03 ADVANCED PRACTICUM SUPERVISION
1-3 sem. hrs.

May be repeated for credit; maximum of 15 hours. Prerequisite: Graduate standing in the School Psychology doctoral program. Consent of the department.

**590A04 ADVANCED PRACTICUM
CONSULTATION-
PROGRAM EVALUATION
1-3 sem. hrs.**

May be repeated for credit; maximum of 15 hours. Prerequisite: Graduate standing in the School Psychology doctoral program. Consent of the department.

**598 DOCTORAL INTERNSHIP IN
SCHOOL PSYCHOLOGY
1-12 sem. hrs.**

Refer to the Index in the back of this catalog for General Courses. The supervised practice of school psychology in a school and/or clinical setting. Prerequisite: Graduate standing in the School Psychology doctoral program. Consent of the department.

**598A90 DOCTORAL INTERNSHIP IN SCHOOL
PSYCHOLOGY FINAL TERM
1-2 sem. hrs.**

Refer to the Index in the back of this catalog for General Courses. The supervised practice of school psychology in a school and/or clinical setting. Prerequisite: Graduate standing in School Psychology doctoral program. Consent of the department.

**599 DOCTORAL RESEARCH
1-15 sem. hrs.**

Refer to the Index in the back of this catalog for General Courses. Research relating to the dissertation requirements. Prerequisites: Graduate standing in the School Psychology doctoral program; departmental approval of dissertation chairperson, committee, and topic.

**599A01 DOCTORAL RESEARCH IN
PSYCHOLOGY
1-5 sem. hrs.**

Refer to the Index in the back of this catalog for General Courses. Research relating to the dissertation requirements. Prerequisites: Graduate standing in the School Psychology doctoral program; departmental approval of dissertation chairperson, committee, and topic.

**599A90 DOCTORAL RESEARCH IN
PSYCHOLOGY - FINAL TERM
1 sem. hr.**

Refer to the Index in the back of this catalog for General Courses. Research relating to the dissertation requirements. Prerequisites: Graduate standing in the School Psychology doctoral program; departmental approval of dissertation chairperson, committee, and topic.

SOCIAL WORK (SWK)

313 Rachel Cooper, (309) 438-3631
SocialWork.IllinoisState.edu

School Director: Diane Zosky. Office: 313 Rachel Cooper.

Graduate Program Director: Diane Zosky.

Graduate Faculty: Avant, Edmonds-Cady, Hamilton, Harris, Houston, Liechty, Olson, Sheridan, Stipp, Wehrmann, Zosky.

Master of Social Work (M.S.W.)

The Master of Social Work program is accredited by the Council on Social Work Education.

The School offers the Master of Social Work degree, which prepares students for advanced social work practice. The program offers three sequences including Child and Family Practice that prepares graduates for agency-based practice with at-risk families, an Illinois State Board of Education approved School Social Work Sequence that prepares graduates for social work practice in schools, and Gerontology Practice that prepares graduates to work with older populations. Students who elect the Gerontology Practice may also fulfill the requirements for the Gerontology Certificate administered by the Department of Sociology and Anthropology.

The degree curriculum is a 60-hour, two-year program for full-time students. Students may also choose part-time programs and should consult with the advisor. New students who have undergraduate degrees in fields other than social work or from non-accredited schools of social work complete the full program. Students with undergraduate social work degrees from programs accredited by the Council on Social Work Education may be given advanced standing and complete the 30-hour advanced curriculum.

NOTE: Academic credit for life experience and/or previous work experience is not given, in whole or in part, in lieu of any social work course.

General Admission Requirements

To be considered for admission to the program as a degree candidate, an applicant must have a GPA of 3.0 on a 4.0 scale for the last 60 hours of undergraduate coursework. In addition, a student must have successfully completed (grade of C or better) at least 40 hours of liberal arts courses, including a course in statistics and a course in human biology, and 15 hours of social science courses other than social work.

Probationary Admission

An applicant with lower test scores or grades below the minimum level may be considered for probationary admission if there is evidence suggesting the potential for outstanding performance in the M.S.W. program. In order to remove the probationary status, students must obtain a minimum GPA of 3.0 after the completion of 12 hours of approved graduate courses. The probationary student may carry the same academic load as a regularly admitted student and is expected to meet the same standards for continuation in the program.

Advanced Standing Admission

In addition to the general admission requirements, an applicant for advanced standing status must have graduated from an undergraduate social work program accredited by the Council on Social Work Education (CSWE) within the past eight years. An applicant must have received a grade of C or better in the research, social welfare policy, practice, human behavior, and field instruction courses. Candidates admitted into the advanced standing program generally will not be required to complete coursework in the generalist foundation (SWK 402, 406, 412, 413, 414, 418, 419, 444, the foundation practicum seminar SWK 422, and foundation practicum SWK 498A01).

It is possible for a maximum of 30 credit hours to be waived from the program requirements.

Program Requirements

A student must maintain a cumulative GPA of 3.0 in all required courses to retain degree candidate status and earn a grade of C or better in each course to be eligible for School of Social Work practica. Enrollment in the practicum courses requires degree candidate status and must be planned in advance with the Director of Field Education. In addition, all requirements for the M.S.W. degree must be completed within six calendar years beginning with the date the student first registers as a degree candidate.

Course requirements for successful completion of the 60 hour M.S.W. degree include the following:

1. Completion of all 30 hours of required courses in the foundation curriculum: SWK 402, 406, 412, 413, 414, 418, 419, 422, 444, and 498A01 or waiver of these courses due to advanced standing upon program admission.
2. Completion of 30 hours of advanced coursework including practicum.

Child and Family Practice Sequence: Required courses: SWK 445, 448, 450, 454, 456, 457, 491, 492, 498A03 and 498A04. To fulfill the required hours for this sequence, students will complete 6 hours of elective courses approved by the departmental advisor.

School of Social Work Sequence: Required courses: SED 411; SWK 445, 448, 450, 454, 461, 463, 491, 492, 498A03, and 498A04. To fulfill the required hours for this sequence, students will complete 3 hours of elective courses approved by the departmental advisor.

Gerontology Practice Sequence: Required courses: SWK 445, 448, 450, 456, 457, 479, 491, 492, 498A03, 498A04, SOC/SWK 411. To fulfill the required hours for this sequence, students will complete 3 hours of elective courses approved by the departmental advisor.

Elective courses: 3-6 hours from SWK 323, 324, 400, 411, 455, 458, 462, 466, 470, 479, 480, 481, and 482, 484, 486, 487 or substitute graduate coursework in another department, approved by the Director of Student Services in the School of Social Work.

The School reserves the right to enforce professional standards of practice as specified in the Illinois Clinical Social Work and Social Work Practice Act and the National Association of Social Workers Code of Ethics. These standards may be taken into consideration in program retention decisions. Students have the right to appeal these decisions.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multi-disciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Psychology, Health Sciences, the School of Social Work, and Communication Sciences and Disorders. Please consult the Graduate Catalog and the program coordinator in the Department of Sociology and Anthropology for details.

Social Work Courses

323 CHILD WELFARE SERVICES 3 sem. hrs.

Services for dependent, neglected, abused, and handicapped children. Recommended before SWK 398A10 if student wishes placement in a child-serving agency. Prerequisite: SWK 222 is recommended, or FCS major or SED major.

324 TOPICS IN CHILD WELFARE 3 sem. hrs.

Analysis of current child welfare topics and the role of the profession of social work. Prerequisite: SWK 323 or consent of the instructor.

330 TOPICS IN CONTEMPORARY SOCIAL WORK AND SOCIAL WELFARE 1-3 sem. hrs.

Analysis of current social welfare topics and the role of the profession of social work. May be repeated for a maximum of 6 hours. Prerequisite: Consent of the instructor.

400 INDEPENDENT STUDY 1-3 sem. hrs.

Refer to Index for General Courses.

402 HUMAN BEHAVIOR I 3 sem. hrs.

Integrates theories of human development and social systems with their implications for practice. Prerequisite: Graduate standing.

406 SOCIAL WELFARE POLICY AND SERVICES 3 sem. hrs.

Social welfare laws and policies undergirding the U.S. system of benefits and services. Analytic frameworks for evaluating social welfare policy, programs, and issues. Formerly SWK 430. Prerequisite: Graduate standing.

411 SEMINAR IN GERONTOLOGY 3 sem. hrs.

Advanced treatment of gerontological topic or issue explored by integrating classroom learning with intergenerational service-learning experiences. May be repeated. Also offered as SOC 411. Prerequisites: Graduate standing; 6 hours of other electives with focus on aging or consent of the instructor.

412 FOUNDATION RESEARCH 3 sem. hrs.

Research methods essential to effective and accountable practice. Theoretical and practical issues affecting ethical, evidence-based decisions. Prerequisite: Graduate standing.

413 FOUNDATION PRACTICE DEVELOPMENT LABORATORY 3 sem. hrs.

Laboratory course teaches fundamental social work for practice with diverse clients. Prerequisite: Graduate standing.

414 FOUNDATION SOCIAL WORK PRACTICE I: INDIVIDUALS 3 sem. hrs.

The professional context; ethics and legal mandates; practice theories and models for working with diverse clients. Prerequisite: Graduate standing.

418 FOUNDATION SOCIAL WORK PRACTICE II: FAMILIES AND GROUPS 3 sem. hrs.

Theoretical foundations and practice methodologies to effect change in families and groups. Prerequisites: SWK 413, 414.

419 FOUNDATION SOCIAL WORK PRACTICE III: ORGANIZATIONS AND COMMUNITIES 3 sem. hrs.

Theoretical foundation and practice methodologies for culturally competent practice with organizations and communities. Not for credit if had SWK 417. Prerequisites: SWK 413, 414.

422 FOUNDATION PRACTICUM SEMINAR 2 sem. hrs.

Integrates foundation coursework and generalist social work practice in an approved agency setting. Formerly SWK 488. Prerequisites: SWK 402, 406, and 412; graduate standing; concurrent registration in SWK 498A01.

444 PROMOTING SOCIAL JUSTICE WITH DIVERSE POPULATIONS 3 sem. hrs.

Examines the impact of discrimination and oppression on development and delivery of social work services to diverse populations. Formerly SWK 460 *CULTURAL COMPETENCE*. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

445 PRACTICE EVALUATION I 2 sem. hrs.

Agency-based case and program evaluation. Development of a research proposal that will be implemented in SWK 448. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

448 PRACTICE EVALUATION II 2 sem. hrs.

Acquaints students with evaluation research through the experience of doing it. Implementation of the research proposal developed in SWK 445. Prerequisites: SWK 445; satisfaction of all MSW foundation requirements; graduate standing; concurrent registration in SWK 492 and 498A04.

450 PSYCHOPATHOLOGY
3 sem. hrs.

Classification and etiology of mental disorders across the life cycle. Critical review of assessment methods, treatment, and referral options. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

454 PRACTICE WITH CHILDREN AND ADOLESCENTS
3 sem. hrs.

Theory and treatment with children and adolescents, with particular attention to their family, school, and community contexts. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

455 AGENCY ADMINISTRATION AND PROGRAM PLANNING
3 sem. hrs.

Organizational, leadership, and human relations theory and skills needed for effective social service delivery in human service agencies. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

456 CHILD AND FAMILY POLICY
3 sem. hrs.

Examines federal and state social welfare policies affecting children and families, especially policy related to poverty and child maltreatment. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

457 FAMILY CENTERED PRACTICE
3 sem. hrs.

Major approaches to working with families emphasizing vulnerable families involved with the child welfare system and other large service systems. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

458 SOCIAL WORK AND THE LAW
3 sem. hrs.

Laws, legal procedures, and regulations affecting social work practice, courtroom testimony skills, and analysis of contemporary legal issues. Prerequisites: Satisfaction of all MSW foundation requirements, SWK 456 or concurrent registration, and graduate standing.

461 SCHOOL POLICY
3 sem. hrs.

Laws, policies, and litigation affecting schools and their implementation through administrative rules. Emphasizes student freedoms, school violence, finance reform, and students with disabilities. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

462 PRACTICE WITH GROUPS
3 sem. hrs.

Major theories, models, principles, issues, and intervention techniques of contemporary practice with groups. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

463 SOCIAL WORK PRACTICE IN SCHOOLS
3 sem. hrs.

Theory and practice skills for working in public schools as a host setting for social workers. Materials charge optional. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

479 PRACTICE WITH OLDER ADULTS
3 sem. hrs.

Examines later adult development, the aging process, and current strategies for meeting the needs of older adults. Prerequisite: Graduate standing.

480 FOSTER CARE AND ADOPTION
3 sem. hrs.

Theory and research underlying practice with foster and adoptive children and families. Strategies for helping children heal from loss and trauma. Prerequisites: Satisfaction of all MSW foundation requirements; and graduate standing.

481 PRACTICE WITH FAMILY VIOLENCE
3 sem. hrs.

Examines violence within families, including spouse/partner, child, and elder abuse, types of violence, explanatory theories, prevention, intervention, and treatment issues. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

482 SUPERVISION
3 sem. hrs.

Theories, models, and techniques of supervision for promoting effective, agency-based practice. Prerequisites: Satisfaction of all MSW foundation requirements and graduate standing.

486 PRACTICE WITH SUBSTANCE USE DISORDERS
3 sem. hrs.

Substance abuse research and policy, and the implications and options for prevention and treatment. Etiology, assessment, social consequences, and interventions. Formerly *PRACTICE WITH SUBSTANCE ABUSE*. Prerequisite: Graduate standing.

491 ADVANCED PRACTICUM SEMINAR I
1 sem. hr.

Integrates advanced coursework with advanced practice in an approved agency. Formerly SWK 490. Prerequisites: Satisfaction of all M.S.W. foundation requirements, graduate standing and concurrent registration in SWK 445 and 498A03.

492 ADVANCED PRACTICUM SEMINAR II
1 sem. hr.

Integrates advanced coursework with advanced practice in an approved agency. Formerly SWK 490. Prerequisites: Satisfaction of all M.S.W. foundation requirements, graduate standing, concurrent registration in SWK 498A04 and 448, and completion of all advanced requirements except those taken concurrently.

498 PROFESSIONAL PRACTICE
1-11 sem. hrs.

Refer to General Courses. Supervised practice experience in approved agencies for foundation and advanced practice. (See offerings below.) *Note:* No more than 4 hours of 498A01, or 6 hours of 498A03 and 498A04 combined may count toward degree program. Prerequisite: Consent of program director.

498A01 FOUNDATION PRACTICUM
4 sem. hrs.

Refer to General Courses. Supervised practice experience in approved agencies for foundation practicum. Offered for CR/NC only. *Note:* No more than 4 hours of 498A01, or 6 hours of 498A03 and 498A04 combined may count toward degree program. Prerequisite: Consent of the program director.

498A02 CONCENTRATION PRACTICUM

1-12 sem. hrs.

Refer to General Courses. Supervised practice experience in approved agencies for foundation practicum. Offered CR/NC only. *Note:* No more than 4 hours of 498A01, 7 hours of 498A02, or 6 hours of 498A03 and 498A04 combined may count toward degree program. Prerequisite: Consent of the program director.

498A03 ADVANCED PRACTICUM I

3 sem. hrs.

Refer to General Courses. Supervised practice experience in approved agencies for foundation practicum. Offered CR/NC only. *Note:* No more than 4 hours of 498A01, or 6 hours of 498A03 and 498A04 combined may count toward degree program. Prerequisite: Consent of the program director.

498A04 ADVANCED PRACTICUM II

3 sem. hrs.

Refer to General Courses. Supervised practice experience in approved agencies for foundation practicum. Offered CR/NC only. *Note:* No more than 4 hours of 498A01, or 6 hours of 498A03 and 498A04 combined may count toward degree program. Prerequisite: Consent of the program director.

SOCIOLOGY AND ANTHROPOLOGY (SOA)

332 Schroeder Hall, (309) 438-8668
SociologyAnthropology.IllinoisState.edu

Interim Chairperson: James M. Skibo, Office: 332 Schroeder Hall.

Graduate Program Director: Sociology: Joan Brehm, Office: 380 Schroeder Hall; Anthropology: Kathryn Sampeck, Office: 346 Schroeder Hall.

Graduate Faculty: Adachi, Avogo, Beck, Brehm, Brown, Burr, Dougherty, Durban-Albrecht, Gerschick, Gill, Hunter, Leonard, McKinney, Miller, Pitluck, Sampeck, Schmeekle, Skibo, Ostendorf Smith, Sprecher, Stanlaw, Stivers, Stone, Sullivan, Toro-Morn, Wellin, Willetts, Wortham.

Master's Degree in Sociology

The department offers work leading to the M.A. and M.S. degrees in Sociology. The 38-hour minimum of graduate work must include SOC 440, 466, 471, 472, 493A01, and at least nine additional hours of Sociology courses at the 400 level, excluding SOC 473, 498, Independent Study, Readings, and the four hours of SOC 499 to facilitate completion of a required master's thesis project. The remaining 12 hours may be taken at the 300 or 400 level and may include up to six hours in related non-sociology courses and up to six hours of Independent Study or Readings with consent of the graduate coordinator. The Sociology Graduate Program encourages talented applicants from a wide variety of fields of study, including sociology and related disciplines. Typical cohorts have a stimulating mix of majors and minors, all with strong interests in sociological research. Successful performance in prior coursework in the social sciences is common among these students. Undergraduate sociology courses or their equivalents in research methods, statistics, and/or social theory are particularly recommended, and may be required, depending on applicants' overall qualifications. Students entering the Applied Community and Economic Development Sequence must have completed a 3-hour graded undergraduate course in Economics with a grade of C or better.

Admission Requirements

To be considered for admission to the Master's program, a student must have at least a 3.0 grade point average (on a scale in which A equals 4) for the last 60 hours of undergraduate work and submit scores from the general test of the Graduate Record Examination (GRE). A personal statement of purpose, a writing sample, one-page resume, and at least three letters of recommendation must be submitted directly to the Department. Applicants to the Applied Community and Economic Development Sequence must submit documents required for the Coverdell Peace Corps Fellows or Applied Community and Economic Development Fellows Program.

Applied Community and Economic Development Sequence:

Applied Community and Economic Development is a multidisciplinary sequence, offered jointly with the Department of Politics and Government and the Department of Economics,

designed to combine academic coursework with paid internship/professional practice experience in community and economic development work. To qualify for this sequence, students must be returned Peace Corps Volunteers or, have equivalent domestic or international experience with other agencies, and be approved by the Sociology Graduate Program Coordinator. In addition to meeting the other requirements for the master's degree in Sociology, including five required graduate courses: SOC 440, 466, 471, 472 or 473, and 493A01 (1 hour): students must complete the courses in the ACED core, including ECO 490A04, POL/SOC 470, POL/SOC 477, and ECO/POL/SOC 478. A required 11-month paid internship (earning 5 Professional Practice credit hours) allows students to serve in diverse communities and organizations enhancing local development. The degree requires completion of a master's thesis or a capstone project, with guidance from Sociology faculty, and a total of 38 credit hours. Four of the total credits must be thesis credits (SOC 499) or capstone credits (SOC 497), depending on the option selected by the student.

Graduate Certificate in Social Aspects of Aging

The Graduate Certificate in Social Aspects of Aging is a multidisciplinary program designed to offer a limited number of academically and professionally oriented graduate experiences in aging. The graduate certificate is located within the Department of Sociology and Anthropology in cooperation with the Departments of Family and Consumer Sciences, Psychology, Health Sciences, Communication Sciences and Disorders and the School of Social Work.

Admission Requirements

Students who seek the certificate in conjunction with a degree in an academic department or school must meet admission requirements for that unit. Students who seek a certificate only must meet university graduate admission requirements and be admitted to the Graduate School. Students must maintain a 3.0 grade point average in certificate courses to be awarded the certificate.

Certificate Requirements

Twelve (12) hours are required, which include the following: SOC 411 Seminar in Gerontology (3 hours), to be taken after at least 6 hours of the other elective courses have been completed; and 9 hours of electives from among the gerontology related courses listed below.

Elective Courses (9 hours): HSC/FCS 394, Health Aspects of Aging; PSY 303, Adult Development and Aging; COM 331, Human Communication and the Aging Process; FCS 305, Families in Later Life; SOC 310, Medical Sociology.

Experience in Gerontology: Each student enrolled in the Graduate Certificate in Social Aspects of Aging may negotiate with the certificate advisor in Sociology-Anthropology or the cooperating department for 3 hours of "experience" credit in gerontology. This may include, but is not limited to, 400 Independent Study or 498 Professional Practice in any department/program that is relevant to the Social Aspects of Aging. Each "experience" is expected to involve some focused writing and analysis assignments. This experience should ordinarily be permitted after other courses are completed, including SOC 411, Seminar in Gerontology. If the experience is of a

"selected problems" type, a proposal should be approved by the Graduate Certificate in Social Aspects of Aging advisor no later than the fifth week of the semester.

Master's Degree in Anthropology

The M.A. and M.S. degrees in Anthropology offer five flexible and appropriately individualized 33-hour concentrations culminating with the completion of a quality master's thesis. Each student, in consultation with the graduate advisor and committee chair, will choose one of these concentrations of study. Upon approval of the supervising professor and advisor, students will create an individualized curriculum and complete a minimum of 12 hours of coursework at the 400 level in anthropology or approved courses in related disciplines. There is no final comprehensive or qualifying exam.

Students will elect to take a curriculum in one of the five concentrations. However, in consultation with the graduate coordinator, and/or the Anthropology Graduate Committee, other concentrations are possible for a student who wants to design an individualized program using the courses of the University and the Department, and the expertise of the faculty. The five concentrations are as follows:

Prehistoric Archaeology: The following courses are required: ANT 301, 386, 460, 481, 488, and 499 (for at least 6 hours); plus 12 hours of electives.

Historical Archaeology: The following courses are required: ANT 386, 388, 460, 481, 488, 499 (for at least 6 hours); plus 12 hours of electives.

Biological Anthropology: The following courses are required: ANT 350, 371 or 372, 386, 460, 498, 499 (for at least 6 hours); plus 12 hours of electives.

Cultural Anthropology: The following courses are required: ANT 302, 380, 383, 460, 499 (for at least 6 hours); plus 3 hours of a cultural/linguistic elective; 12 hours of other electives.

Japanese Studies: The following courses are required: ANT 302, 307, 308, 380, 460, 499 (for at least 6 hours); plus 12 hours of electives.

Admission Requirements

Admission to the program will require students to have completed a bachelors' degree by the time of admission. While a degree in anthropology, history, geography, biology, or a related social science field is desirable, it is not required. Students with undergraduate degrees in other fields may apply for admission to the program and working with an advisor, devise a plan of study that allows them to complete any deficiencies they might have. Regardless, all applicants must also have a minimum 3.0 GPA (on a scale in which A equals 4.0) for the last 60 hours of undergraduate work and submit scores from the General Test of the Graduate Record Examination. A personal statement of purpose and two letters of recommendation must be submitted separately to the Coordinator, Master's Program in Anthropology, Department of Sociology and Anthropology. Applications and supporting materials must be received by March 1. Admission to the program is allowed in the fall semester only.

Applied Community and Economic Development Sequence:

The Applied Community and Economic Development (ACED) sequence is a 37-hour interdisciplinary program designed for students in the Cultural Anthropology Concentration who intend to pursue careers as economic and community development professionals. To qualify for the ACED sequence, a student must be a returned Peace Corps Volunteer or have equivalent domestic or international experience with other agencies, and be approved by the Anthropology Graduate Coordinator. Program requirements include required courses in the Cultural Anthropology core (12 hours): ANT 302, 380, 383, and 460; the required courses in the ACED core (13 hours): ECO 490A04 (2 hours), POL or SOC 470 (3 hours), POL or SOC 477 (3 hours), and ECO or POL or SOC 478 (2 hours); and at least three credit hours of a graduate elective course. Students must complete an 11-month paid internship while earning Professional Practice credit (6 hours of ANT 498). The degree also requires completion of a master's thesis with guidance from Anthropology faculty and enrollment in ANT 499 (6 hours).

Courses in Sociology (SOC)

302 ANIMALS AND SOCIETY

3 sem. hrs.

Examination of social relationships between human and non-human animals and the social meanings that condition the lives of particular species. Prerequisites: Completion of 75 semester hours or consent of the instructor or graduate standing.

310 MEDICAL SOCIOLOGY

3 sem. hrs.

Social distribution and social construction of illness; physician socialization; doctor-patient interaction; alternative medicine; structure of health care systems; biomedical ethics. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

311 ISSUES IN GERONTOLOGY

3 sem. hrs.

Advanced treatment of selected subjects in gerontology. May be repeated if content differs. Prerequisites: SOC 211 or consent of the instructor; completion of 75 hours or consent of the instructor

317 SOCIOLOGY OF SPORT

3 sem. hrs.

The social institution of sport is examined using the sociological concepts of social organization, culture, socialization, deviance, social stratification, minority groups, and collective behavior. Also offered as KNR 317. Prerequisites: Completion of 75 hours or consent of the instructor.

318 CHILDREN IN GLOBAL PERSPECTIVE

3 sem. hrs.

Exploration of global-scale trends, diversity, processes, power dynamics, and interventions related to children and their trajectories. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

320 GLOBAL DEVELOPMENT AND ECONOMIC CHANGE

3 sem. hrs.

Survey of debates and theories regarding definitions, means, and consequences of "development" within poor- and middle-income countries; country case studies. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

330 SOCIETY AND ENVIRONMENT
3 sem. hrs.

Examination of interactions between the social and physical environment and how social structures and individual actions impact the "natural world." Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 or 108 is recommended.

331 SELF AND SOCIETY
3 sem. hrs.

Analysis of the micro-level relationships between the individual and society. Topics include social interaction, the self, identity, and emotion management. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

333 POLITICAL SOCIOLOGY: POWER, CULTURE AND CHANGE
3 sem. hrs.

Critical analysis of institutional mechanisms and social processes through which political power is constructed, distributed, and maintained. Prerequisites: SOC 106 or 108. Completion of 75 credit hours or consent of the instructor.

338 SOCIAL INTERACTION
3 sem. hrs.

Conversation analysis, ethnomethodology, organization of social interaction, sense-making in everyday and institutional settings. Achievement of social identities. Also offered as ANT 338. Prerequisites: Completion of 75 hours or consent of the instructor.

341 THE SOCIOLOGY OF GENDER
3 sem. hrs.

Explores the concepts, theories, and methods sociologists utilize to explain differences in the social relations between and among women and men. Individual, interactional, institutional and social change processes are examined. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 or PSY 111 is recommended.

342 SOCIOLOGY OF THE BODY
3 sem. hrs.

Explores the concepts, theories, and methods sociologists utilize to study the body in social life. Special emphasis on non-normative bodies. Prerequisites: SOC 106. Completion of 75 hours or consent of the instructor.

350 SOCIOLOGY OF EDUCATION
3 sem. hrs.

The primary focus of this course will be to engage with the current debates, issues, and problems associated with higher education. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended;

361 URBAN SOCIOLOGY
3 sem. hrs.

Urban structure and dynamics, stressing human ecological theories, power, and cultural forces affecting architecture and social interaction. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

362 POPULATION
3 sem. hrs.

Dynamics of population size and change, including fertility, mortality, migration, composition, spatial distribution, family, and relation to resources in the United States and the world; application and policy implications. Formerly SOC 267. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

365 JUVENILE DELINQUENCY
3 sem. hrs.

Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment. Prerequisites: Completion of 75 hours or consent of the instructor.

366 CONTEMPORARY SOCIAL MOVEMENTS
3 sem. hrs.

Theories, methods, and research on social movements in the U.S. and on transnational social movements, including women's movement. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 is recommended.

367 CRIMINOLOGY
3 sem. hrs.

Criminological theory and practice. Crime as a social and legal problem. The administration of justice. Prerequisites: Completion of 75 hours or consent of the instructor.

372 SPECIAL TOPICS IN SOCIOLOGY
3 sem. hrs.

This course addresses current topics of sociological interest. May be repeated if content is different; maximum of 9 hours. Prerequisite: SOC 106 or consent of the instructor.

375 ECONOMIC SOCIOLOGY
3 sem. hrs.

Study of historical and contemporary economic behavior, institutions, and processes. Examination of production, distribution, consumption, markets, technology, and globalization. Prerequisites: Completion of 75 hours or consent of the instructor. SOC 106 or 108 is recommended.

400 INDEPENDENT STUDY
1-6 sem. hrs.

Refer to Index for General Courses.

411 SEMINAR IN GERONTOLOGY
3 sem. hrs.

Advanced treatment of gerontological topic or issue explored by integrating classroom learning with intergenerational service-learning experiences. May be repeated. Also offered as SWK 411. Prerequisites: Graduate standing, 6 hours of other electives with focus on aging, or consent of the instructor.

440 INTERMEDIATE SOCIAL STATISTICS
3 sem. hrs.

Applied course in social statistics, emphasizing the use and interpretation of bivariate and multivariate statistical techniques, such as cross tabulations, multiple regression, and related techniques. Prerequisite: SOC 471.

461 READINGS IN SOCIOLOGY
1-3 sem. hrs.

A course for the graduate student who would benefit from a specialized independent type of study adapted to the student's background and needs. Prerequisites: Consent of the graduate coordinator and instructor.

466 SOCIOLOGICAL THEORY
3 sem. hrs.

An analysis of recent theoretical developments in Sociology. Attention will focus on a variety of social theories found useful in explaining social phenomena. Prerequisites: Graduate standing and consent of the instructor.

467 LAW AND SOCIETY**3 sem. hrs.**

Theories of law, and research on law in society. Attention to judicial and jury decision-making, legal structures, legislation, power, beliefs, conflict, and social change. Public, civil, and criminal law included. Formerly *SOCIOLOGY OF LAW*. Also offered as CJS 467.

469 SEMINAR IN SOCIOLOGY**3 sem. hrs.**

Advanced graduate study in sociological topics. May be taken up to three times if topic is different. See the following topics that may be offered. Prerequisites: Graduate standing and consent of the instructor.

469A03 SEMINAR IN MINORITIES/STRATIFICATION**3 sem. hrs.**

Prerequisites: Graduate standing and consent of the instructor.

469A05 SEMINAR IN DEMOGRAPHY**3 sem. hrs.**

Prerequisites: Graduate standing and consent of the instructor.

469A10 SEMINAR IN PERSONAL**RELATIONSHIPS/****FAMILY****3 sem. hrs.**

This is a graduate seminar on the scientific study of close relationships and attachments, particularly those in the family. Prerequisites: Graduate standing and consent of the instructor.

469A13 SEMINAR IN SOCIOLOGY**OF CULTURE****3 sem. hrs.**

Prerequisites: Graduate standing and consent of the instructor.

469A14 SEMINAR IN CLASS, POWER AND STATUS**3 sem. hrs.**

Prerequisites: Graduate standing and consent of the instructor.

469A16 SEMINAR IN TEACHING SOCIOLOGY**3 sem. hrs.**

Prerequisites: Graduate standing and consent of the instructor.

470 SEMINAR IN COMMUNITY DEVELOPMENT**3 sem. hrs.**

The seminar will review the theoretical and applied literature on community development, investigating strategies in both domestic and international contexts. Also offered as POL 470.

471 QUANTITATIVE RESEARCH**DESIGN AND ANALYSIS****3 sem. hrs.**

An in-depth exploration of quantitative methods, both data collection techniques and computer analysis. Design of quantitative research involving theoretical and methodological aspects of sociological problems. Prerequisites: SOC 275 and 271, or equivalent.

472 QUALITATIVE RESEARCH**DESIGN AND ANALYSIS****3 sem. hrs.**

An in-depth exploration of qualitative methods, both data collection techniques and data analysis. Design of qualitative research involving theoretical and methodological aspects of sociological problems. Prerequisite: Consent of the instructor.

477 COMMUNITY PROJECT DESIGN AND MANAGEMENT**3 sem. hrs.**

Design, planning, and implementation skills for leadership of community development projects. Focus on applied research, group process, budget management, and grant writing. Also offered as POL 477. Prerequisite: Graduate standing in POL, ECO, or SOC, or consent of the instructor.

478 TOPICS IN ADMINISTRATION AND PLANNING**2 sem. hrs.**

Emphasizes skills needed for community and economic development domestically and internationally, including strategic planning, non-profit administration, and feasibility studies. Also offered as ECO/POL 478. Prerequisite: Graduate standing in ECO, POL, or SOC, or consent of the instructor.

491 INTERNSHIP IN COLLEGE TEACHING**3 sem. hrs.**

Observation and teaching in the student's major area with other experiences appropriate to academic involvement at the college level. Offered in cooperation with the student's major department. Prerequisite: Graduate standing. Credit for the course is given in the School of Teaching and Learning (see TCH 491).

495 SPECIAL TOPICS IN SOCIOLOGY**3 sem. hrs.**

Advanced study in a specialized area of sociology. May be repeated if content is different. Prerequisites: Graduate status and consent of the instructor.

495A01 SPECIAL TOPICS IN SOCIOLOGY**3 sem. hrs.**

Advanced study in a specialized area of sociology. May be repeated if content is different. Prerequisites: Graduate status and consent of the instructor.

497 CAPSTONE RESEARCH IN APPLIED COMMUNITY AND ECONOMIC DEVELOPMENT**4 sem. hrs.**

Capstone requires utilization of knowledge gained from the master's program to address substantive issues encountered during the professional practice experience. Prerequisites: SOC 440, 466, 471, 472.

498 PROFESSIONAL PRACTICE IN SOCIOLOGY**1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Sociology Graduate Committee and supervising faculty. Refer to Index for General Courses. Prerequisites: Completion of 18 hours in the Sociology master's program.

498A15 STEVENSON CENTER ASSISTANTSHIP**1 sem. hr.**

Supervised professional experience. Prerequisites: Completion of 18 hours in the Sociology master's program.

**498A90 PROFESSIONAL PRACTICE
IN SOCIOLOGY FINAL YEAR
1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Sociology Graduate Committee and supervising faculty. Refer to Index for General Courses. Prerequisites: Completion of 18 hours in the Sociology master's program.

**499 MASTER'S THESIS
1-6 sem. hrs.**

Refer to the Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS
1-5 sem. hrs.**

Refer to the Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM
1-6 sem. hrs.**

Refer to the Index for General Courses.

Courses in Anthropology (ANT)

**301 ARCHAEOLOGICAL ANALYSIS OF
PREHISTORIC MATERIALS
3 sem. hrs.**

Advanced course that uses a combination of lectures and laboratory sessions to explore methods used in the analysis of prehistoric archaeological materials. Prerequisite: ANT 102. ANT 274 is recommended or consent of the instructor.

**302 ETHNOGRAPHY
3 sem hr.**

Study of the techniques used to describe cultural practices and beliefs. Formerly ANT 285. Prerequisite: Completion of 75 hours or consent of the instructor.

**303 LATIN AMERICA IN ETHNOGRAPHIC
PERSPECTIVE
3 sem. hrs.**

Exploration of major trends in the anthropology of Latin America as examined through ethnographic case studies. Prerequisite: Completion of 75 hours or consent of the instructor.

**307 JAPANESE DIASPORAS, CULTURE,
AND IDENTITY
3 sem. hrs.**

Advanced-level survey of globalization theories focusing on Japanese descendants living overseas and "returnees" to Japan as migratory workers.

**308 JAPANESE COMMUNICATIVE STRATEGIES
3 sem. hrs.**

Analysis of Japanese culture and society—both historically and contemporarily—via their language and communication. Prerequisite: One (two recommended) of the following: ANT/LAN/ENG 143; ANT 277, 294; ENG 243, 342; HIS 275; JPN 112, 115, 116, 231.

**338 SOCIAL INTERACTION
3 sem. hrs.**

Conversation analysis, ethnomethodology, organization of social interaction, sense-making in everyday and institutional settings. Achievement of social identities. Also offered as SOC 338. Prerequisite: Completion of 75 hours or consent of the instructor.

**342 SOCIOLINGUISTICS
3 sem. hrs.**

Social significance of language variation: regional, social, ethnic dialects; attitudes towards variation. Multilingual societies, language choice, language shift, language planning. Also offered as ENG 342.

**350 PRINCIPLES OF PALEOANTHROPOLOGY
3 sem. hrs.**

Detailed study of human evolution, based primarily on the fossil record, and the processes and scientific principles applicable thereto. Formerly ANT 286. Prerequisite: A grade of C or better in ANT 102 or consent of the instructor.

**370 ZOOARCHAEOLOGY
3 sem. hrs.**

Foundations of zooarchaeology including identification techniques, analytical methods, and interpretation of animal bone assemblages from archaeological sites. Prerequisites: ANT 274 and completion of 75 hours, or consent of the instructor.

**371 HUMAN OSTEOLOGY
4 sem. hrs.**

Biology and anatomy of the human skeleton. Focus on identification and interpretation in forensic and bioarchaeological contexts. Prerequisite: ANT 102 or BSC 101 or 196, or consent of the instructor.

**372 HUMAN PALEOPATHOLOGY AND
SKELETAL ANALYSIS
3 sem. hrs.**

Analysis of pathologies, physical traits, and measurements on human skeletons to reconstruct community health and life ways of extinct cultures. Prerequisite: ANT 102 or 371, or consent of the instructor.

**373 ARCHAEOLOGY OF POLITICAL
ECONOMY
3 sem. hrs.**

Examination of historical and archaeological methods for reconstructing past political economies. Emphasis on past Latin American political and economic organization. Prerequisite: ANT 102 or 274 or consent of the instructor.

**374 INTRODUCTION TO MUSEUM STUDIES
3 sem. hrs.**

Examination of the history, organization, and administration of museums as well as methods of acquisition, preservation, and exhibition of artifacts. Prerequisites: Completion of 75 hours or consent of the instructor.

**375 LANDSCAPE ARCHAEOLOGY
3 sem. hrs.**

Archaeological study of regions, including settlement patterns, natural and cultural environments, and ways humans are shaped by places they inhabit. Prerequisite: ANT 274 or consent of the instructor.

**376 THE ARCHAEOLOGY OF GENDER
3 sem. hrs.**

Exploration of various archaeological approaches to the interpretation of gender in past societies. Prerequisite: ANT 274 or consent of the instructor.

378 EVOLUTION AND HUMAN BIOLOGICAL DIVERSITY**3 sem. hrs.**

Study of human population variation in terms of biological and cultural adaptations to different environments. Offered odd-numbered years. Alternates with ANT 393. Formerly *HUMAN VARIATION AND ADAPTATION*. Prerequisites: ANT 102; completion of 45 hours or consent of the instructor.

380 KEY CONCEPTS IN ANTHROPOLOGY HISTORY AND THEORY**3 sem. hrs.**

Anthropological thought from historical, systematic, and applied viewpoints; emphasis on changing content, concepts, methods of the discipline. Prerequisites: ANT 274, 277, 281, 350, and consent of the instructor.

381 ARCHAEOLOGICAL FIELD SCHOOL**1-9 sem. hrs.**

Field instruction in methods and techniques of archaeological survey, excavation, preparation and preservation of materials, and record keeping. Materials charge optional. Prerequisite: Consent of the instructor. ANT 274 is recommended.

383 STUDIES IN SELECTED CULTURES**3 sem. hrs.**

Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change. May be repeated if content is different. Prerequisite: Consent of the instructor.

384 NORTH AMERICAN ARCHAEOLOGY**3 sem. hrs.**

Prehistoric cultures of North America, from late Pleistocene to the occupation by Europeans. Development of cultural patterns traced; current problems examined. Formerly ANT 283. Prerequisite: ANT 102 or 274 or consent of the instructor.

385 MEDIA AND VISUAL ANTHROPOLOGY**3 sem. hrs.**

Intersection of visual media and anthropology: ethnographic film, ethics of representation, television and film ethnographies. Visual or written class project. Prerequisites: Completion of 75 hours or consent of the instructor.

386 ARCHAEOLOGICAL THEORY**3 sem. hrs.**

Archaeological method and theory from 1800 to the present, emphasizing American archaeology. Prerequisite: ANT 274 or consent of the instructor.

387 ADVANCED TOPICS IN PHYSICAL ANTHROPOLOGY**3 sem. hrs.**

Intensive examination and analysis of current research questions and controversies in paleoanthropology, primatology and human adaptation studies. May be repeated if content is different. Prerequisite: Completion of one of the following: ANT 350, 371, 372, 378 or 393, or consent of the instructor.

392 ARCHAEOLOGICAL ANALYSIS OF HISTORICAL MATERIALS**3 sem. hrs.**

Examination of the identification, meaning, and interpretation of the material culture excavated and studied by archaeologists. Prerequisite: ANT 274 or consent of the instructor.

393 PRIMATE BEHAVIOR AND EVOLUTION**3 sem. hrs.**

Concentrated examination of various aspects of the primates: their biology, behavior, evolution, and significance for understanding human nature. Offered even-numbered years. Alternates with ANT 378. Formerly *PRIMATE STUDIES*. Prerequisite: Completion of 45 hours or consent of the instructor.

400 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses.

460 RESEARCH DESIGN IN ANTHROPOLOGY**3 sem. hrs.**

Fundamental theoretical and methodological aspects of designing research in anthropology. Analysis and interpretation of historical and anthropological data. Formerly *RESEARCH DESIGN IN ARCHAEOLOGY*. Prerequisite: Graduate standing.

469 SEMINAR IN HISTORICAL ARCHAEOLOGY**3 sem. hrs.**

Intensive examination of current theoretical and methodological issues in historical archaeology. Prerequisites: ANT 388; graduate standing.

481 ADVANCED ARCHAEOLOGICAL FIELD SCHOOL**3-6 sem. hrs.**

Advanced instruction in field methods and techniques that focus on excavation and surveying strategies, the development of scientifically sound research designs, field supervision, and the logistics of field project supervision. Prerequisites: ANT 381; graduate standing.

488 ARCHAEOLOGICAL ETHICS AND LAW**3 sem. hrs.**

Intensive examination of current ethical issues involving the practice of archaeology and the nature and meaning of current laws regarding the excavation and study of archaeological sites and properties. Prerequisites: ANT 386; graduate standing.

498 PROFESSIONAL PRACTICE IN ANTHROPOLOGY**1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Anthropology Graduate Committee. Refer to Index for General Courses. Formerly *PROFESSIONAL PRACTICE IN ARCHAEOLOGY*. Prerequisite: Completion of 12 hours in the Anthropology master's program.

498A90 PROFESSIONAL PRACTICE IN HISTORICAL ANTHROPOLOGY FINAL YEAR**1-6 sem. hrs.**

Supervised professional experience relating to the student's educational plan approved by the Anthropology Graduate Committee. Refer to Index for General Courses. Prerequisite: Completion of 12 hours in the Anthropology master's program.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS**

1-5 sem. hrs.

Refer to Index for General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL TERM**

1 sem. hr.

Refer to Index for General Courses.

WOMEN'S AND GENDER STUDIES (WGS)

237 Rachel Cooper, (309) 438-2947
WGS.IllinoisState.edu
Email: WGSStudies@IllinoisState.edu

Director: Alison Bailey. Office: 233 Rachel Cooper Hall.
Academic Advisor and Graduate Certificate Coordinator:
Stacia Kock. Office: 232 Rachel Cooper Hall
Email: WGSAdvisor@IllinoisState.edu

Graduate Certificate in Women's and Gender Studies

The graduate certificate in Women's and Gender Studies is an option for students interested in enhancing their course of study with an additional interdisciplinary examination how sex and gender, and their intersections with race, class/caste, sexuality, ability and age, shape our understandings of the world. The certificate affords students both the opportunity to study further these topics in their department or school, or program and to pursue advanced work in feminist topics, theories and methodologies.

This graduate certificate requires a 12-hour course of study. Students must complete either WGS 490 or ENG 460 plus nine hours selected from the following courses: ANT 376; CJS 307, 339, 342; ENG 360, 460; HIS 330, 350; POL 337, 338; PSY 305; SOC 311, 341, 342, 366, 469A03; WGS 391, 392, 400, 498. With the approval of the graduate certificate coordinator and the Graduate School, additional courses may be approved for the certificate. Non-degree-seeking graduate students desiring to apply for the Graduate Certificate in Women's and Gender Studies are advised to contact the certificate coordinator. Degree-seeking graduate students should consult their graduate program coordinator/advisor as well as the Women's and Gender Studies graduate certificate coordinator.

Admission Requirements

Students who seek the certificate in conjunction with a graduate degree program must meet admission requirements for that degree and also be admitted for the certificate. Non-degree graduate students must meet the university graduate admission requirements and be admitted for the certificate. Admission for all certificate students is made upon the recommendation of the Women's and Gender Studies certificate coordinator and approval of the Women's and Gender Studies program director.

Women's and Gender Studies Courses

391 WOMEN'S AND GENDER STUDIES SEMINAR 1-3 sem. hrs.

Intensive and critical examination of selected topics in women's and gender studies. May be repeated; maximum 6 hours.

392 QUEER AND TRANSGENDER THEORY 3 sem. hrs.

Research in the interdisciplinary field of LGBTQ Studies emphasizing how queer and transgender theory inform a variety of academic disciplines and discourses. Formerly *LESBIAN, GAY, BISEXUAL, TRANSGENDER/QUEER STUDIES AND THEORY*. Prerequisite: WGS 120 or consent of the instructor.

400 INDEPENDENT RESEARCH IN WOMEN'S AND GENDER STUDIES 3 sem. hrs.

Refer to Index for General Courses. Research paper or supervised readings on topic relevant to Women's and Gender Studies. Proposal signed by a faculty advisor and the Director or Assistant Director of Women's and Gender Studies required prior to registration. May be repeated for credit if topic is different.

490 FEMINIST THEORIES AND METHODOLOGICAL ISSUES 3 sem. hrs.

An interdisciplinary study of methods, theories, analyses and critiques used by feminist scholars to study gender issues within and across a range of traditional disciplines.

498 PROFESSIONAL PRACTICE: INTERNSHIP IN WOMEN'S AND GENDER STUDIES 3 sem. hrs.

Refer to Index for General Courses. Supervised work experience in local, state, national, or international businesses, agencies, institutions, or organizations, including teaching internships, focusing on women's and gender issues. Prerequisites: WGS 490 and consent of the Director of Women's and Gender Studies.

COLLEGE OF BUSINESS

Dean: Ajay Samant

**401 State Farm Hall of Business
Business.IllinoisState.edu**

Through our shared commitment to excellence in teaching, research, and service, we prepare students to be skilled and ethical business professionals who will make significant positive contributions to organizations, to communities, and to our larger society.

The College of Business contains the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The primary objective of the College's graduate programs is to prepare students for professional careers in business, education, government, not-for-profit and related organizations. Strong relationships with organizations of all types blend theory with current business practice. The College supports the principle that education for these careers requires the assimilation of a basic common body of knowledge, opportunities for acquiring depth in appropriate fields, and development of essential skills such as leadership, communication, and critical thinking. The College offers graduate programs leading to the Master of Business Administration, the Master of Professional Accountancy, and the Master of Science in Accountancy. In addition to teaching, College of Business faculty are involved in research, public service, and faculty professional development. All graduate and eligible undergraduate programs in the College of Business are accredited by AACSB International, the Association to Advance Collegiate Schools of Business, including separate accreditation for the Accounting programs.

Master of Business Administration

**201 State Farm Hall of Business, (309) 438-8388
Business.IllinoisState.edu/MBA**

Associate Dean for MBA and Undergraduate Programs:
Tim Longfellow, 201 State Farm Hall of Business Building.

The Master of Business Administration (M.B.A.) degree is a collegiate degree with courses offered in the departments of Accounting; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing. The goal of the Illinois State MBA program is to prepare students for successful careers in positions of leadership in business and other organizations competing in domestic and international markets. The integrative curriculum is designed to provide a thorough understanding of the functional areas of business, to ensure that students develop an analytical framework for evaluation and decision making, to encourage them to apply that framework with a sense of integrity, and to strengthen interpersonal, leadership, and communication skills. The program strives to imbue graduates with an appreciation of the continuing challenges of globalization, of the legal and sociopolitical environments, and of expanding technology. The Illinois State M.B.A. prepares graduates to manage these future challenges and opportunities successfully.

Admission to the MBA Program

All University and Graduate School requirements for admission to a degree program apply, but the requirements for admission to the Master of Business Administration program are more rigorous than are those for the Graduate School. To be considered for admission, students must have earned a GPA of 3.0 or higher in the last 60 hours of undergraduate work. In addition to submitting a Graduate School application and official transcripts, all applicants must: (1) complete the MBA application (including short essay section); (2) have two letters of recommendation forwarded to the department; and (3) have an official Graduate Management Admission Test (GMAT) score submitted to the Admissions Office. Previous work experience, international experience, and volunteer/community service experience also will be considered in the admission decision. Applicants whose native language is not English must also submit an official TOEFL score report to the Admissions Office. The target minimum score for admission to the program is 83 (250 on the CBT). Applicants will be evaluated by a review of overall qualifications as reflected in these credentials.

The TOEFL requirement will be waived for international applicants who have resided in the United States for at least one year at the time of admission and who (1) have graduated or will be graduating from an accredited U.S. college or university, or (2) have completed two years of post-baccalaureate coursework at a U.S. college or university. Decisions about whether applicants with permanent resident status may be required to submit a TOEFL score will be made on a case-by-case basis, based on academic and professional background and length of residence in the States.

All of the 400-level courses in the College of Business have restricted enrollments and are not open to students-at-large unless they are graduates of AACSB accredited graduate business programs. Opportunities for students-at-large to take undergraduate business courses are limited, and permission to register must be sought from the undergraduate Advising Center (129 College of Business Building). Such students may be required to furnish official transcripts which show the degree earned and the prerequisites for the courses in which the student is requesting permission to enroll.

The M.B.A. Program admits students on a rolling basis. However, applicants should submit all required materials by no later than July 1 to be considered for fall admission, December 1 for spring admission, and April 1 for summer admission. Students seeking graduate assistantship (GA) appointments for the fall term should have completed an online GA application and have on file in the MBA office completed applications both for admission and for the assistantship by February 1. While new graduate assistantship appointments for the spring semester are rare, preference will be given to online graduate assistant applications received by September 1; no appointments are made during the summer session. Application materials are available online at Business.IllinoisState.edu/MBA.

Curriculum Requirements

The MBA degree assumes an undergraduate knowledge base in business and economics which students with undergraduate degrees in business will normally have acquired. Students admitted with non-business undergraduate degrees may have to complete foundation courses before enrolling in the M.B.A. core courses. Specific requirements will be determined by the Associate Dean for MBA and Undergraduate Programs (here after referred to as "Associate Dean"). The responsibility for demonstrating prior academic coverage of the material at the appropriate level rests with the student, and should be completed at least one month prior to the beginning of the first semester of course work.

Proficiency exams are available for the seven foundation courses. There is a fee for each exam. A person may take each proficiency exam only once. In order to be considered for an exam, a person must have taken an academic course in the area of the test. Work experience without academic preparation is not adequate. MBA Program staff will determine who is qualified to take a proficiency exam. Any proficiency exams that will be taken must be completed by the end of the first week of classes of the first semester in which a student enrolls in the MBA Program. Exceptions must be approved by the Associate Dean.

Students with a non-business undergraduate degree should expect to complete some or all of the following foundation courses:

- ECO 401 Survey of Economic Principles
- ACC 401 Survey of Accounting Principles
- MQM 402 Management Fundamentals
- MKT 403 Marketing Concepts
- MQM 406 Quantitative Methods
(Prerequisite: MAT 104 or equivalent)
- FIL 404 Theory of Managerial Finance
(Prerequisite: ACC 401 or equivalent)
- FIL 405 Legal Aspects of Business Decisions

In addition to any foundation courses (up to 17 hours) required, some or all of which may be waived based on an individual's previous academic work, all M.B.A. candidates must complete 36 semester hours comprised of core and elective courses. Therefore, a maximum of 53 hours could be required for those with a non-business major or minor in their undergraduate degree. This includes the following nine required core courses (27 semester hours):

- MBA 412 Contemporary Business Perspectives and Leadership Skills (Prerequisites: MQM 402 and MKT 403.)
- ACC 450 Management Accounting
(Prerequisite: ACC 401 or 6 hours of accounting)
- ACC 468 Management Information Systems: Organizational and Technological Issues
(Prerequisite: Demonstrated competency in micro computer tools or consent of department chair)
- FIL 440 Financial Management
(Prerequisites: MQM 406 and FIL 404 or equivalents)
- MKT 430 Advanced Marketing Management
(Prerequisites: MKT 403 and MQM 406 or equivalents)
- MQM 427 Operations and Quality Management
(Prerequisite: MQM 406 or equivalent)

- MQM 421 Analysis of Organizational Behavior
(Prerequisite: MQM 402 or equivalent)
- MQM 485 Advanced Organizational Strategy
(Prerequisites: MQM 421; MKT 430; FIL 440; and MQM 427; the latter may be taken concurrently with MQM 485)
- MQM 497 Research Methodology (Prerequisite: MQM 406).

Students who have successfully completed 12 or more undergraduate semester hours in a required core area may be eligible to substitute a 400-level elective in that area for the required core course.

In addition to the core courses, each candidate must complete nine (9) semester hours of 400-level graduate business or other pre-approved elective courses. (Graduate courses at the 300-level may not be taken to fulfill the M.B.A. elective requirements). In consultation with a Master of Business Administration advisor, students are able to choose from among a wide offering of elective courses to design a Plan of Study. The choice should be congruent with each student's goals. Elective concentrations are offered based on student demand, including Financial Management; Human Resource Management; Insurance/Financial Services; Marketing; Management; and Project Management; as well as courses in Agribusiness, and Arts Management. Elective courses taken outside the College of Business require prior approval by the Associate Dean and often involve additional course work to fulfill prerequisites.

Students without relevant full-time work experience are encouraged to consider a professional practice internship as an elective choice; up to three (3) hours of professional practice credit (498 in the ACC, FIL, MKT, and MQM departments) may be used in the Plan of Study toward the degree. A thesis may be substituted for up to six hours of elective course work. Please refer to the thesis section elsewhere in this catalog for Graduate School policies on thesis work.

Course Limitations

Master of Business Administration candidates may not include the following in their Plan of Study to meet the 36 semester hours required for the MBA: ECO 401; MKT 403; MQM 402, 406; FIL 404, 405; ACC 401. No more than a total of three (3) credits can be counted from any 400 (Independent Study) and 498 (Internship) courses. Exceptions must be approved by the Associate Dean. Credit will not be given for course numbers below 400 (no 300-level graduate course will be counted in an MBA Plan of Study). All core and elective courses must be completed within six years from the time of taking the first core course.

Credit-Hour Limitations for Non-Business Graduate Students

While other graduate programs on campus may require and/or give elective credit for selected MBA courses, non-MBA graduate students will not be permitted to exceed 12 credit hours of MBA course work (excluding foundation courses). Non-business students seeking to enroll in MBA courses will first need to obtain their major advisor's permission to register for classes and then must submit to the MBA Office (201 State Farm Hall of Business) a completed "Non-Major Enrollment Request" form. Permission to enroll is

dependent upon space availability in the requested course(s) and prior completion of prerequisites. MBA students will have priority in registration.

Courses

Descriptions of courses leading to the M.B.A. degree are found under the Departments of Finance, Insurance and Law; Management and Quantitative Methods; Marketing; Accounting; and Master of Business Administration.

Repetition of Courses in the M.B.A. Program

A student may register officially for an MBA course (foundation, core or elective) only twice. A student who completes a course or drops a course after census day (the tenth day of the semester) may officially enroll in the same course only one additional time.

Business Administration Course

412 CONTEMPORARY BUSINESS PERSPECTIVES AND LEADERSHIP SKILLS 3 sem. hrs.

Interdisciplinary course designed to provide students with an integrative perspective of contemporary business environments and development of key professional competencies. Prerequisites: MQM 402 and MKT 403. Open to MBA students only.

ACCOUNTING (ACC)

301 State Farm Hall of Business, (309) 438-7651
 Business.IllinoisState.edu

Interim Chairperson: Deborah Seifert. Office: 301 State Farm Hall of Business.

Graduate Program Director: Jay Rich.

Graduate Faculty: Birkey, Crampton, Guidry, Hauck, Lindberg, Nelson, Patten, Rich, Sankara, Seifert, Walstrom.

Mission Statement

The mission of the Department of Accounting is to provide high-quality, student-centered educational programs for students preparing for professional careers in accounting and information systems; to support research and other scholarly activities consistent with these programs; and to perform service activities for the Department, the College of Business, the University, and other organizations consistent with these programs. In addition, our mission includes establishing relationships with outside organizations that support our programs, students, and faculty. Providing introductory and other courses in accounting and information systems to non-major students, as a service to other departments within the College and University, is also fundamental to our mission.

The goals of the Department of Accounting are as follows:

1. Our first priority is to develop student potential through high quality pedagogy and educational experiences.
2. Our second priority is to perform applied, basic, and instructional research that complements our educational programs.
3. Our third priority is to participate in internal and external service activities which complement our educational programs and research activities, and build partnerships with key constituencies.

Requirements for CPA Examination: To be admitted to take the CPA examination in Illinois for the first time, a candidate must have successfully completed at least 150 semester hours of acceptable credit and earned a baccalaureate or higher degree. The semester hours accepted by the Board must include an accounting concentration or its equivalent. A candidate will be deemed to have met the education requirement if, as a part of the 150 semester hours of education or equivalent as determined by the Board, he or she has earned a graduate degree with a concentration in accounting from a program that is accredited in accounting by the Association to Advance Collegiate Schools of Business (AACSB). The Master of Science in Accountancy and the Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.) are accredited by the AACSB.

Master of Science in Accountancy

The primary objective of the Master of Science in Accountancy program is to provide candidates preparing for professional careers in accounting a greater breadth and depth in accounting education than is possible in a baccalaureate or

Master of Business Administration program.

The Master of Science in Accountancy degree builds upon the broad framework of the undergraduate degree in accounting. Graduate accounting courses emphasize study of current accounting literature, critical thinking, case studies, accounting theory, and written and oral communication. Class sizes are designed to be small to encourage interaction between the professor and each student.

The Master of Science in Accountancy provides a broad base in accounting theory, current accounting research, and management information systems. Beyond this base the student is allowed to tailor course work in accounting and business to meet his or her educational and professional goals. Under the guidance of the program director, the student may develop a program to prepare for an accounting career in public accounting, industry or government.

Admission Requirements

All University and Graduate School requirements for admission to a degree program of the Graduate School at Illinois State University will apply. Graduate students who have been admitted to the University will be considered for admission to the Master of Science in Accountancy degree program based upon their performance on the Graduate Management Admission Test (GMAT), on their previous academic performance, and other evidence of the student's ability to successfully complete the program.

Before entering the program students will normally have had a Bachelor of Science in accountancy degree based upon the study of the Financial Accounting Standards Board's pronouncements, the AICPA's Statements on Auditing Standards, the Public Company Accounting Oversight Board's (PCAOB) auditing standards, and the Internal Revenue Code. Otherwise, there may be deficiencies as determined by the department.

International students are required to submit a TOEFL score or an IELTS score with their application for admission. The TOEFL score must be 100 or more (internet-based test), 250 or more (computer-based test), or 600 or more (paper-based test). The IELTS score must be 7.0 or higher.

Curriculum Requirements

All candidates must complete 30 semester hours and a comprehensive examination administered near the end of the final semester of course study.

Required Courses

ACC 430 Financial Accounting Theory	3 semester hours
ACC 468 Management Information Systems:	
Organizational and Technological Issues3 semester hours
ACC 497 Introduction to Research	
Methodology in Accounting3 semester hours
400-Level Accounting Electives chosen from	
ACC 431, 434, 435, 437, and 439	6 semester hours
Total	15 semester hours

Elective Courses

Accounting: 300- or 400-level courses	3-12 semester hours
BE, FIL, MQM or MKT: 300- or 400-level courses	3-12 semester hours
Total	15 semester hours

All 300-level courses must be approved in advance by the Department of Accounting graduate director. A minimum of 18 semester hours must be taken at the 400 level and a minimum of 6 semester hours must be taken outside the accounting discipline.

Repetition of Courses in the Master of Science in Accountancy Program

The College of Business only allows students to repeat a course once. Students who earn a “W” grade in either attempt must apply for permission to complete a third enrollment.

Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.)

Degrees offered: B.S. and M.P.A.

The Integrated B.S./M.P.A. Degrees program is primarily oriented toward preparation for professional careers in accounting. Two sequences are offered: (1) Accountancy and Information Systems, and (2) Professional Accountancy. Both sequences permit graduates to meet minimum education requirements to sit for the Certified Public Accountant (CPA) examination in Illinois. The Accountancy and Information Systems sequence permits students to emphasize study of information systems related to accounting and other business fields more than the Professional Accountancy sequence, which permits students to study further in such areas as taxation, auditing, financial accounting, managerial accounting, financial management, and information systems.

The 150-hour B.S./M.P.A. program generally includes 30 hours of graduate course work. Successful completion of the integrated program will culminate by granting simultaneously both B.S. and M.P.A. degrees. The B.S./M.P.A. integrated program is designed for students wishing to complete both degrees at Illinois State University. The program is not designed to admit students who have already completed a bachelor's degree.

Students must successfully apply for continuance in the B.S./M.P.A. program in their junior year (after 60 semester hours). Graduate admission would take place after the student has completed approximately 90 hours. Students will be considered for admission who meet graduate entrance requirements, which include satisfactory performance on the Graduate Management Admission Test (GMAT), their previous academic performance, and other evidence of the student's ability to successfully complete the program. Admission timing is very important to successfully complete the program, so students should regularly consult with their Accounting undergraduate or graduate advisor.

Core courses: Students selecting either sequence must complete the following: BUS 100; ACC 131, 132, 230, 231, 232, 233, 235, 260, 261, 263, 270, 430, 482, 497; FIL 185, 240, 375; MKT 230; MQM 100, 220, 227, 385; ECO 105; ENG 145A13; MAT 121 or 145. (Note: MAT 120 is a prerequisite for MAT 121.)

Accountancy and Information Systems Sequence:

In addition to core courses, students must complete (a) 6 hours from ACC 368, 468; (b) 12 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 437, 439, or 498, and 6 additional hours chosen from ACC 330, 334, 336, 337, 340, 431, 434, 435, 437, 439, or 498; and (c) 6 additional hours of Accounting or business electives.

Professional Accountancy Sequence:

In addition to core courses, students must complete (a) 15 hours of Accounting electives, of which 6 hours are chosen from ACC 431, 434, 435, 437, 439, or 498, and 9 additional hours chosen from ACC 330, 334, 336, 337, 340, 431, 434, 435, 437, 439; (b) 3 hours from FIL 440, ACC 468, or other approved 400-level elective outside of the accounting discipline; and (c) 6 additional hours chosen from either courses listed in (a) of this paragraph or from ACC 398, 468, or 498.

NOTE: Students in either sequence who wish to enhance their chances of passing the CPA examination should include in their Plan of Study the following advanced accounting courses: ACC 330, 334, 336, and 337.

Repetition of Courses in the Integrated Bachelor of Science (B.S.) Master of Professional Accountancy (M.P.A.) Program

The College of Business only allows students to repeat a course once. Students who earn a W grade in either attempt must apply for permission to complete a third enrollment.

Accounting Courses

The following courses will not count toward the M.S. in Accountancy because they are foundation/deficiency courses: ACC 401 and 450.

**330 ACCOUNTING FOR NON-PROFIT ENTITIES
3 sem. hrs.**

Examination of accounting and financial reporting principles for nonprofit entities including state and local governmental units, colleges, hospitals, and other nonprofit organizations. Prerequisites: Accounting majors only; minimum grade of B/C combination in ACC 230 and 231; grade of C or better in ACC 231.

**334 ADVANCED TAX
3 sem. hrs.**

Study of concepts and issues associated with corporate, partnership, estate and gift taxation. Preparation of tax returns and graduate-level research opportunities. Prerequisite: ACC 233 or consent of the department chairperson.

336 ADVANCED AUDITING
3 sem. hrs.

In-depth analysis of selected advanced topics in auditing, including professional auditing standards, planning, evidence, internal control, audit sampling, IT auditing, reporting, integrative audit case, internal auditing. Prerequisites: Accounting majors only; minimum grade of B/C combination in ACC 230 and 231; ACC 235.

337 ADVANCED FINANCIAL ACCOUNTING
3 sem. hrs.

Specific emphasis on business combinations and consolidated financial statements. Other topics include partnership accounting, international operations, branch accounting, segment reporting and interim statements. Prerequisites: Accounting majors only; minimum grade of B/C combination in ACC 230 and 231; ACC 232.

340 INTERNATIONAL ACCOUNTING
3 sem. hrs.

Examines (1) similarities and differences of accounting principles and procedures between the United States and other countries and efforts at standardizing accounting internationally, and (2) accounting for multinational entities, including consolidation of foreign subsidiaries, evaluation of investment projects, and performance evaluation of foreign operations. Prerequisites: Grade of C or better in ACC 132.

**362 ADVANCED BUSINESS
SYSTEMS ANALYSIS**
3 sem. hrs.

The analysis, design, development, and implementation of a complete business information system. Project-based course with various deliverables and presentations. Prerequisites: ACC 261 and 368; ACC 366 or concurrent registration.

**366 ADVANCED BUSINESS
DATA MANAGEMENT**
3 sem. hrs.

Advanced study in the development of computer storage techniques required for business information systems. Techniques are developed for both enterprise and desktop applications. Prerequisites: ACC 260 and 261.

**368 DEVELOPING BUSINESS
APPLICATION SYSTEMS**
3 sem. hrs.

Advanced study in the application and development of modern computer programs for business work-group and individual employee information systems. Students will design and develop a comprehensive application appropriate for a functional area of business using the approaches and tools of the consultant. Prerequisites: ACC 260 and 261 or concurrent registration in 261.

**401 SURVEY OF
ACCOUNTING PRINCIPLES**
3 sem. hrs.

This course compresses into a single semester material ordinarily covered in the first two semesters of elementary accounting. Enrollment is limited to graduate students who have had no more than one semester of previous study in accounting. The course cannot be presented for graduate credit by a degree candidate in the Accounting or MBA graduate programs.

430 FINANCIAL ACCOUNTING THEORY
3 sem. hrs.

This course is a study of the theoretical and conceptual foundations of financial reporting standards, including an overview of the development of financial accounting and the environment in which it operates. Current accounting practices are analyzed and evaluated in the context of the theoretical framework. Prerequisites: Completion of 18 hours of accounting courses including ACC 232.

431 CURRENT ISSUES IN ACCOUNTING
3 sem. hrs.

A variable content course giving consideration to current issues and/or controversies in the theory and practice of accounting. Students will investigate independently and as a group problems of special interest in various aspects of accounting. Prerequisites: Completion of 18 hours of accounting courses including ACC 232.

**434 FEDERAL TAXES AND
MANAGEMENT DECISIONS**
3 sem. hrs.

Study of tax issues associated with common business transactions, from a management perspective. Prerequisites: Completion of 18 hours of accounting courses or ACC 450 and FIL 440.

435 AUDITING ISSUES AND CASES
3 sem. hrs.

Application of current auditing standards to auditing cases emphasizing decision making under uncertainty and effective communication skills. Consideration is given to ethical issues facing accountants, current auditing theory, application of current accounting standards to auditing cases, international accounting standards, international auditing guidelines and statements, and current issues related to the practice of auditing. Prerequisites: Completion of 18 hours of accounting courses including ACC 232 and 235.

**437 FINANCIAL STATEMENT
ANALYSIS/EQUITY VALUATION**
3 sem. hrs.

Development and application of frameworks for studying business analysis and valuation using financial statement data for accounting-related decisions. Prerequisites: Completion of 18 hours of accounting courses including ACC 232.

439 MANAGERIAL ACCOUNTING THEORY
3 sem. hrs.

In-depth investigation of theories that underlie current managerial accounting practice. Heavy emphasis on the impact of research on the development of modern cost techniques. Prerequisites: Completion of 18 semester hours of accounting including ACC 230, or equivalent.

450 MANAGEMENT ACCOUNTING
3 sem. hrs.

Designed for non-accounting majors. Emphasis on the interpretation and use of accounting data. The course cannot be presented for graduate credit by a degree candidate in the ACC program. Prerequisite: ACC 401 or 6 hours of accounting coursework or consent of the department chairperson.

**468 MANAGEMENT INFORMATION SYSTEMS:
ORGANIZATIONAL AND
TECHNOLOGICAL ISSUES
3 sem. hrs.**

Analyzes business information systems components (people, procedures, hardware, software) from organizational and technological perspectives. Cases are used to explore the relationships between organizational and technological issues. Prerequisite: Demonstrated competency in microcomputer tools or consent of the department chairperson.

**482 BUSINESS INFORMATION
SYSTEMS AUDITING AND CONSULTING
3 sem. hrs.**

Integration of key business information systems concepts necessary for successful business consulting. Issues relating to consulting practices of the professional accountant, including IT auditing, will be stressed. Significant use of oral and written reports. Prerequisites: ACC 260, 261, and 270, or equivalent.

**497 INTRODUCTION TO RESEARCH
METHODOLOGY IN ACCOUNTING
3 sem. hrs.**

Examines (1) the methods of conducting theoretical research currently in use in accounting, with particular emphasis on empirical research, (2) the methods of conducting practical research in accounting, and (3) reporting the results of research. Prerequisites: Completion of 18 semester hours of accounting courses including ACC 232 or consent of the department chairperson.

**498 PROFESSIONAL PRACTICE:
INTERNSHIP IN ACCOUNTING
1-3 sem. hrs.**

Refer to the Index for General Courses. On-the-job professional accounting or BIS experience with a sponsoring commercial firm or government organization. Prerequisites: Cumulative GPA of 3.0; completion of 21 hours of accounting courses; consent of the internship director.

FINANCE, INSURANCE AND LAW (FIL)

434 State Farm Hall of Business, (309) 438-8777
Business.IllinoisState.edu

Chairperson: Gary Koppenhaver. Office: 434 State Farm Hall of Business.

Graduate Faculty: Ahlgrim, Bouriaux, Chang, Howe, Kang, Koppenhaver, Ma, Norton, Trefzger, C. Varner, K. Varner.

Description and requirements for the Master of Business Administration degree are listed in the College of Business section.

Finance, Insurance and Law Courses

311 GOVERNMENT REGULATIONS OF BUSINESS 3 sem. hrs.

Analysis of governmental legal and regulatory activity as it applies to business. Prerequisites: Grade of C or better in FIL 185. Business majors only.

312 INTERNATIONAL BUSINESS LAW 3 sem. hrs.

Case study in international business law. Jurisdiction and application of foreign law, international regulation of economic activities, and issues of comparative law. Prerequisites: Grade of C or better in FIL 185. Business majors only.

340 SHORT-TERM FINANCIAL MANAGEMENT 3 sem. hrs.

Analysis of working capital management; cash budgeting; financial analysis and planning; short-term financing decisions. Prerequisites: Grade of C or better in FIL 240. FIL 218 or 241 or concurrent registration. Business majors only.

343 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 3 sem. hrs.

Characteristics of financial assets and markets; evaluation of securities; selecting and combining securities into portfolios; portfolio models and measurement of portfolio performance. Prerequisites: Grade of C or better in FIL 242. Business majors only.

344 INTERNATIONAL FINANCIAL MANAGEMENT 3 sem. hrs.

Financial management of multinational corporations, including balance of payments, foreign exchange markets and international money and capital markets. Prerequisites: Grade of C or better in FIL 240. Business majors only.

360 REAL ESTATE INVESTMENT AND FINANCE 3 sem. hrs.

Decision-making analysis in real estate investment and financing. Emphasis on financial leverage, cash flow analysis, taxation, risk and mortgages. Prerequisites: Grade of C or better in FIL 260. Business major only.

375 LAW FOR ACCOUNTANTS 3 sem. hrs.

Accountants' legal responsibilities, anti-trust, bankruptcy, federal securities regulation, insurance, regulation of employer and employee relationships, secured transactions, suretyship, and other topics for the professional accountant. Prerequisites: Completion of 24 hours of Accounting courses; Grade of C or better in FIL 185 or 208.

380 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS 3 sem. hrs.

Selected topics in law and its relationship to business. Topics may include new developments in public and private law as it relates to business. May be repeated for credit with consent of the department. Prerequisite: Consent of the department chair.

404 THEORY OF MANAGERIAL FINANCE 2 sem. hrs.

This course compresses into eight weeks materials that ordinarily would require one or two semesters of undergraduate course work in business finance and financial markets. It includes financial theory of the firm including the economic and institutional environment, working capital management, sources and uses of funds, capital structure, and budgeting. Cannot be taken for credit in the Accounting or MBA graduate programs. Prerequisites: ACC 401 or equivalent; admission to a graduate business program.

405 LEGAL ASPECTS OF BUSINESS DECISIONS 2 sem. hrs.

Overview of the legal environment of business and the American legal system. Designed for MBA students not receiving their undergraduate degree within the past five years and not having an American legal environment course or equivalent. Cannot be taken for credit in the Accounting or MBA programs. Prerequisite: Admission to a graduate business program or consent of the department chairperson.

440 FINANCIAL MANAGEMENT 3 sem. hrs.

Analysis of financial problems of business enterprises and the formulation of financial policies. Financing of current operations and long-term capital needs, income management and expansion policies. Includes case studies. Prerequisites: MQM 406, FIL 404 or equivalents.

442 INVESTMENT MANAGEMENT 3 sem. hrs.

A strategic and operational study of investments from an analytical perspective including the planning, direction, and evaluation of investment programs. Prerequisite: FIL 440.

445 ADVANCED CORPORATE FINANCE 3 sem. hrs.

Major issues in corporate finance focusing on applications of finance theories to real business problems. Prerequisites: FIL 440. MBA students only.

449 SEMINAR IN FINANCE 1-4 sem. hrs.

Topics will vary with needs and interests of students and faculty. May be taken more than once if content is different. Offered once per year. Prerequisite: FIL 440.

449A06 SEMINAR IN FINANCE: DERIVATIVES**3 sem. hrs.**

Evaluate financial futures, options and swap instruments and market characteristics; analyze pricing models, hedging and trading strategies and credit risks; assess financial risk exposure, determine value at risk; and simulate trading techniques. Prerequisite: FIL 440 or concurrent registration.

454 SEMINAR IN INSURANCE**1-4 sem. hrs.**

Topics may include risk management, commercial and individual property and liability insurance, life and health insurance, financial and estate planning and new developments. May be repeated if content is different (see following topics). Prerequisite: FIL 440 or consent of the instructor.

454A02 SEMINAR IN INSURANCE: FINANCIAL PLANNING**1-4 sem. hrs.**

Prerequisite: FIL 440 or consent of the instructor.

454A07 SEMINAR IN INSURANCE: INSURANCE LAW AND REGULATION**1-4 sem. hrs.**

Prerequisite: FIL 440 or consent of the instructor.

454A08 SEMINAR IN INSURANCE: RISK MANAGEMENT**1-4 sem. hrs.**

Prerequisite: FIL 440 or consent of the instructor.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

MANAGEMENT AND QUANTITATIVE METHODS (MQM)

250 State Farm Hall of Business
Business.IllinoisState.edu

Chairperson: Alexander Barelka.

Graduate Faculty: Balasubramanian, Bantham, Barelka, Choudhury, Datta, Devinatz, Downes, Dustin, Engler, Foreman, Galloway, Goodman, Hemmasi, Hartman, Hoelscher, Jawahar, Jia, Lahiri, Liu, Lust, Martinez, Noel, Radhakrishnan, Ribbens, Ringer, Salegna, Sheep, Thompson, Winkel.

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Graduate Certificate in Organizational Leadership*

The graduate certificate in organizational leadership provides students with a graduate-level experience in the topic of organizational leadership and addresses critical elements of the leadership function in contemporary organizations. The certificate consists of four courses in leadership: MQM 482 Principles of Leadership, MQM 483 Advanced Topics in Leadership, MQM 484 Building High Performance Organizations, and MQM 486 Strategic Thinking and Problem Solving.

*This certificate does not accept applications in every year. For information on availability, contact Rick Ringer by e-mail at rcringer@ilstu.edu.

Management and Quantitative Methods Courses

323 HUMAN RESOURCES MANAGEMENT 3 sem. hrs.

Principles and procedures relating to human resource management, including staffing, appraisal, training, compensation, and other programs for business and other organizations. Prerequisite: Grade of C or better in MQM 220.

324 INDUSTRIAL RELATIONS MANAGEMENT 3 sem. hrs.

Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice. Prerequisite: Grade of C or better in MQM 220.

349 BUSINESS IN A MULTI-CULTURAL ENVIRONMENT 3 sem. hrs.

Business operations in a multi-cultural environment. Relationship between the business process and social attitudes, values, ideologies, and customs with special emphasis on Asia, Latin America, and the Middle East.

354 COMPENSATION MANAGEMENT 3 sem. hrs.

Compensation subsystem as a vital component in establishing a workplace system that stimulates employee performance. Prerequisite: Grade of C or better in MQM 323.

356 FOUNDATIONS OF HUMAN RESOURCE DEVELOPMENT 3 sem. hrs.

Examines theoretical foundations of human resource development and includes employee orientation, technical training, career development, management development, and diversity training.

384 LEADERSHIP: DECISION MAKING AND PLANNING 3 sem. hrs.

A consideration of managerial decision making in organizations. Specific emphasis on strategic, program, and operational level planning decisions, techniques, and systems. Prerequisite: Grade of C or better in MQM 221 or concurrent registration.

402 MANAGEMENT FUNDAMENTALS 2 sem. hrs.

Principles of management and organizational theories with emphasis on organizational structures, management functions, behavior, and interpersonal communications. For students without previous management course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Not for credit in the Accounting or MBA programs.

406 QUANTITATIVE METHODS 3 sem. hrs.

This course compresses into a single semester materials that ordinarily would require two semesters of undergraduate course work in business statistics and management science areas. It includes concepts and techniques of quantitative (particularly statistical) methods useful for guiding business decisions and evaluating sample data. Prerequisites: MAT 111, 120, 121, 144 or 145; admission to a graduate business program. Not for credit in the Accounting or MBA graduate programs.

421 ANALYSIS OF ORGANIZATIONAL BEHAVIOR 3 sem. hrs.

A study of how people in organizations respond to managerial and organizational practices, using a systems orientation to analyze how environmental factors influence organizational practices and climate. Topics include reactions of people to structure and control, problems of motivation and performance, resolution of inter-departmental conflicts, adaptation to change. Prerequisite: MQM 402 or equivalent.

423 ADVANCED HUMAN RESOURCES MANAGEMENT 3 sem. hrs.

Advanced study of selected contemporary issues in human resources management. Emphasis on critical investigation of current personnel research and practices. Prerequisite: MQM 421.

426 SEMINAR IN MANAGEMENT 3 sem. hrs.

Significant issues related to the management of people as well as management functions or processes. Topics include: behavioral science and management, employee motivation, leadership, interorganizational conflict, organization development, organizational change, organizational culture, ethics and social responsibility, human resource management, and project management. May be taken more than once if content is different (see the following topics). Offered irregularly. Prerequisite: MQM 421.

426A15 SEMINAR IN EMPLOYEE RELATIONS
3 sem. hrs.

Examines organizational conflicts resulting from interpersonal communication, group interaction, workplace violence, and diversity. Present topics as well as ways to resolve the conflict. Prerequisite: MQM 421.

426A16 PROJECT MANAGEMENT FUNDAMENTALS
3 sem. hrs.

Designed to provide the basic concepts and techniques of project management, focusing scope management, project time management, and project cost management. Prerequisite: MQM 421.

426A17 ADVANCED PROJECT MANAGEMENT
3 sem. hrs.

Builds upon the topics covered in the prerequisite course by using an applied seminar format to focus contemporary project management issues. Prerequisite: MQM 426A16.

426A18 DYNAMICS OF NEGOTIATION
3 sem. hrs.

This course facilitates understanding of negotiation skills in a variety of problems faced by managers and leaders in business contexts. Prerequisite: MQM 421.

427 OPERATIONS AND QUALITY MANAGEMENT
3 sem. hrs.

Course focus is on strategies, concepts, and tools for management of quality and the core function of producing goods and services. Prerequisite: MQM 406 or equivalent.

482 ORGANIZATIONAL LEADERSHIP
3 sem. hrs.

An in-depth examination of leadership including the impact of leadership on organizations and the characteristics of effective leadership. Prerequisite: MQM 421 or consent of the instructor.

483 APPLIED ORGANIZATIONAL LEADERSHIP
3 sem. hrs.

An applied study of leadership including an examination of leadership, including leadership and change, leadership and culture, and team leadership. Prerequisite: MQM 482 or consent of the instructor.

484 BUILDING HIGH PERFORMANCE ORGANIZATIONS
3 sem. hrs.

A study of high performance organizations, including the importance of leadership, motivation, engagement, and human resources practices. Prerequisite: MQM 482 or consent of the instructor.

485 ADVANCED ORGANIZATIONAL STRATEGY
3 sem. hrs.

An integrating course analyzing the firm in its environment with emphasis on formulation of policies and strategies and application of concepts through case studies and/or simulation exercises integrating all functional areas. Prerequisites: FIL 440; MKT 430; MQM 421; and MQM 427 or 415, either of the latter of which may be taken concurrently with MQM 485.

486 STRATEGIC THINKING AND PROBLEM SOLVING
3 sem. hrs.

An examination of the role of organizational leaders as strategic thinkers, decision makers, and problem solvers. Prerequisite: MQM 482 or consent of the instructor.

497 RESEARCH METHODOLOGY
3 sem. hrs.

The procedure, techniques, and application of research methods in business. Problem analysis, measurement techniques, experimental design considerations, and report presentation. Analytical methods, including classical hypothesis testing, nonparametric tests, analysis of variance, linear and multiple regression, and multivariate statistics. Prerequisite: Grade of B or better in MQM 406 or proficiency examination in statistics.

498 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE EDUCATION IN MANAGEMENT OR INTERNATIONAL BUSINESS
1-3 sem. hrs.

Refer to the Index for General Courses. Practical experience by employment in a position involved with the management of business activities, including the analysis of business decision situations. Prerequisites: MBA majors with 12 credits or more of core courses; cumulative graduate GPA of 3.2 or higher; MQM 421 or equivalent; and consent of the department chairperson.

498A01 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE EDUCATION IN INTERNATIONAL BUSINESS
1-3 sem. hrs.

Refer to the Index for General Courses. Practical experience by employment in a position involved with the management of business activities, including the analysis of business decision situations. Prerequisites: MBA majors with 12 credits or more of core courses; cumulative graduate GPA of 3.2 or higher; MQM 421 or equivalent; and consent of the department chairperson.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to the Index for General Courses.

MARKETING (MKT)

352 State Farm Hall of Business, (309) 438-7261
Business.IllinoisState.edu

Chairperson: Kimberly Judson, Office: 352 State Farm Hall of Business.

Graduate Faculty: Bakir, Beggs, Black, Cox, Davis, Delpeschit, Donovan, Goad, Goebel, Goodwin, Hunter, Ishida-Lambert, Judson, Kaufman, Longfellow, Melton, Mountjoy, Showers, Taylor, Wallace.

Description and requirements for the Master of Business Administration degree are listed in the College of Business section.

Please note: The Department of Marketing staffs and offers graduate courses in Marketing (MKT) and in Business Education (BE).

Marketing Courses

329 PURCHASING POLICIES AND PROCEDURES 3 sem. hrs.

Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control. Significant case analysis is typical. Prerequisite: Grade of C or better in MKT 190 or 230.

333 INTEGRATED MARKETING COMMUNICATION 3 sem. hrs.

Overview of and experience in integrated marketing communication (IMC) planning process through a client project. In addition to exploring IMC or promotional strategy planning process, students will gain experience in developing an IMC plan based on a thorough market/situation analysis for real clients. Prerequisite: MKT 231, 232, 233.

334 SALES MANAGEMENT 3 sem. hrs.

Theory, principles, and practices of sales force administration for manufacturing, wholesaling, and service enterprises. Topics include recruiting, training, compensation, and performance appraisal. Computer simulation gaming is typical. Prerequisite: MKT 234.

335 RETAILING MANAGEMENT AND PROMOTION 3 sem. hrs.

Management and operation of retail firms. Emphasis on location analysis, pricing, inventory control, and promotion. Experiential assignments are typical. Prerequisite: Grade of C or better in MKT 190 or 230.

338 STRATEGIC MARKETING MANAGEMENT 3 sem. hrs.

Development, implementation, evaluation, and control of the marketing plan. Short- and long-run perspectives are considered equally important. Includes analysis of actual and hypothetical cases. Computer simulation gaming is typical. Prerequisites: MKT 231 and 232.

339 SEMINAR IN MARKETING 3 sem. hrs.

A specialized study of important narrow areas in the field of marketing for advanced students. May be repeated once if a different topic and different instructor. Prerequisites: MKT 231, 232, or consent of the department chairperson.

403 MARKETING CONCEPTS 2 sem. hrs.

Incorporates principles of marketing and marketing management, viewing the marketing function from the points of view of the consumer, business, and society. This course is for students without previous marketing course work. Prerequisite: Admission to a graduate business program or consent of the department chairperson. Cannot be presented for credit in the Accounting or MBA programs.

430 ADVANCED MARKETING MANAGEMENT 3 sem. hrs.

Marketing principles, behavioral concepts, and quantitative techniques utilized in analyzing marketing problems and decisions. Emphasis on strategic and quantitative aspects of decision-making processes in marketing. A strategic marketing simulation game and/or rigorous case analyses are typical. Prerequisites: MKT 403 and MQM 406 or equivalents.

431 ADVANCED CONSUMER BEHAVIOR 3 sem. hrs.

An analysis of psychological, sociological, social psychological, and cultural forces that influence household and industrial buying behavior. Emphasis placed on examination of research related to these influencing forces, practical applications of research findings, and on the analysis of comprehensive models of consumer behavior. Prerequisite: MKT 430.

432 MARKETING RESEARCH 3 sem. hrs.

An examination of the marketing research process. Includes client projects and content-related exercises, especially data analysis using various statistical packages. Prerequisite: MKT 430 or equivalent.

433 ADVANCED INTEGRATED MARKETING COMMUNICATION 3 sem. hrs.

Provides an overview and experience in using the integrated marketing communication (IMC) planning process. Includes market/situation analysis as part of IMC development. Prerequisite: MKT 430 or equivalent.

438 INTERNATIONAL MARKETING 3 sem. hrs.

Examination of strategic issues related to effective development and execution of global marketing programs. Includes case-studies and an applied term project. Prerequisite: MKT 430 or equivalent.

439 SEMINAR IN MARKETING 1-4 sem. hrs.

Topics will vary with needs and interests of students and faculty. Selling/sales management, product management, and services marketing continue to be popular topics. May be repeated if topic is different (see following topics). Some topics may have an optional materials charge. Prerequisite: MKT 430 or equivalent.

439A05 SEMINAR IN SELLING AND SALES MANAGEMENT 3 sem. hrs.

Prerequisite: MKT 430 or equivalent.

439A06 SEMINAR IN PRODUCT DEVELOPMENT MANAGEMENT 3 sem. hrs.

Prerequisite: MKT 430 or equivalent.

439A15 NEW PRODUCT DESIGN AND DEVELOPMENT**3 sem. hrs.**

Prerequisite: MKT 430 or equivalent.

498 PROFESSIONAL PRACTICE:INTERNSHIP/ COOPERATIVE EDUCATION IN MARKETING
1-6 sem. hrs.

Practical experience by employment in a position involving management of significant marketing activities in a firm. Prerequisites: MBA major with 12 credits of core courses completed; MKT 403 and 430; cumulative graduate GPA of 3.2 or higher; consent of the department chairperson.

499 MASTERS THESIS
1-6 sem. hrs.

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTERS THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

BUSINESS EDUCATION (BE)

Note: Graduate degrees in Business Education are not available, but course work is available as supplemental study or as electives for inservice teachers and graduate students on campus.

General Administrative Endorsement With Emphasis in Vocational Education

A career option leading to a general administrative endorsement with emphasis in vocational education is offered in cooperation with the Department of Educational Administration and Foundations through the Departments of Agriculture, Family and Consumer Sciences, Industrial Technology and Marketing (through the faculty affiliated with the Business Education programs housed there). Students interested in the vocational emphasis should (a) see department chairperson or appropriate advisor and (b) file an Intent to File for Certification form in the Office of Clinical Experiences and Certification Processes. All students who plan to receive certification for the State of Illinois via an approved Illinois State program must file official forms and follow specific procedures. Certification is not given automatically at the completion of specific course work or a degree program.

Business Education Courses**330 DECISION-MAKING FOR CONSUMERS**
3 sem. hrs.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security. Also offered as FCS 330.

361 ACCOUNTING METHODS
1 sem. hr.

Methods of teaching accounting. Prerequisites: BE 260 or concurrent registration. Admission to Professional Studies.

362 BASIC BUSINESS AND MARKETING INSTRUCTION
3 sem. hrs.

Methods of teaching basic business, consumer economics, and marketing. Prerequisites: BE 260 or concurrent registration; Admission to Professional Studies.

363 METHODS OF TEACHING KEYBOARDING, INFORMATION PROCESSING, AND COMPUTER APPLICATIONS
3 sem. hrs.

Instructional strategies in the teaching of keyboarding and computer applications at the junior high and high school levels. Prerequisites: BE 225, 260, or concurrent registration. Admission to Professional Studies or admission to a graduate program.

364 TEACHING KEYBOARDING, AND INFORMATION PROCESSING IN ELEMENTARY SCHOOLS
1 sem. hr.

Methods of teaching keyboarding, information processing for elementary students. Includes clinical experiences 5 hours. Prerequisites: BE 363, or concurrent registration. Admission to Professional Studies.

365 PROGRAMMING FOR MOBILE APPS
3 sem. hrs.

Develop the skills necessary to teach mobile programming. Prerequisites: BE 225, concurrent registration, or consent of the instructor.

380 ORGANIZATION AND ADMINISTRATION OF CAREER AND TECHNICAL COOPERATIVE EDUCATION PROGRAMS
3 sem. hrs.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan. Includes Clinical Experiences: 5 hours. Also offered as FCS 380.

382 COORDINATION TECHNIQUES OF CAREER AND TECHNICAL COOPERATIVE EDUCATION PROGRAMS
3 sem. hrs.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment. Clinical experiences required, 5 hours. Also offered as FCS 382 and TEC 306.

COLLEGE OF EDUCATION

Dean: Perry Schoon.

506 DeGarmo Hall, Campus Box 5300
Education.IllinoisState.edu

The College of Education includes the Departments of Special Education and Educational Administration and Foundations, the School of Teaching and Learning, the Office of Clinical Experiences and Certification Processes (CECP) in the Cecilia J. Lauby Teacher Education Center, and the University Laboratory Schools.

The mission of the College of Education is to provide state and national leadership in teacher and administrator education, educational research, and educational policy.

The preparation and continuing professional development of educators is the core of this mission. The guiding framework for teacher education at Illinois State University, "Realizing the Democratic Ideal," captures the values of all education programs. A comprehensive offering of degree, certification, and outreach programs operated year round at both undergraduate and graduate levels constitutes the primary mechanism through which the mission is fulfilled.

The College also fulfills its strategic mission of influencing education by providing support systems for faculty engaged in research, evaluation, product development and other creative activities. The research agenda of the College is focused on production, synthesis, and application of knowledge that contributes to solutions of contemporary education problems and issues.

The third way the College meets its responsibility to influence education is to interact directly with practitioners in the field in a variety of school, agency, and association partnerships. In addition, the College is an active participant in discussions related to educational policy development within national, state and local arenas.

The Illinois Board of Higher Education has approved Illinois State University to offer full master's and doctoral programs off-campus. For further information contact the department chairs of Educational Administration and Foundations, Teaching and Learning, and Special Education.

Clinical Experiences and Licensure Processes

56 DeGarmo Hall

Director: Deborah Garrahy.

Associate Director: Lynn Steffen.

Student Teaching

399 STUDENT TEACHING **1-16 sem. hrs.**

Graduate students who wish to do their student teaching must meet all of the relevant requirements as outlined in the University-Wide Teacher Education Requirements section of the *Undergraduate Catalog*. Contact the CECP office for further explanation of these requirements and procedures to apply for student teaching. A list of all STT 399 courses can be found in the Undergraduate Catalog in the Interdisciplinary Studies Programs and Courses section.

Students who are working toward a master's or doctoral degree while taking coursework leading to licensure or endorsement from a graduate program should complete and submit an "Intent to File for Licensure" online form at Education.IllinoisState.edu/teacher_education/licensures. Licensure is not given automatically at the completion of specified course work or degree work.

EDUCATIONAL ADMINISTRATION AND FOUNDATIONS (EAF)

331 DeGarmo Hall, (309) 438-5422
Education.IllinoisState.edu/EAF

Chairperson: Lenford Charles Sutton. Office: 331 DeGarmo Hall.

Graduate Program Directors: Marcia Escott Hickrod, Brad Hutchison.

Graduate Faculty: Adkins, Banicki, Dean, Eckrich, Evans-Winters, Hatt, Hoff, Kyei-Blankson, Lin, Lugg, Lyman-Weiman, McCluskey-Titus, Nur-Awaleh, Otto, Palmer, Renn, Rugutt, Sappington, Schoon, Sutton.

Programs Offered

Work leading to the M.S., M.S. in Ed., Ed.D. and Ph.D. degrees is offered in Educational Administration. The M.S. in College Student Personnel Administration is also available. Students may include in their academic programs courses required for Illinois Administrative Certification. The department also offers coursework in the areas of educational foundations, research and evaluation, higher education administration, and P-12 school administration.

Master's Degree Programs

College Student Personnel Administration (M.S.)

This program is appropriate for individuals with full-time student affairs experience or student leadership experience who wish to perform the role of administrator, advisor, programmer, or educator in student affairs or higher education administration.

Admission Requirements

To be admitted to the CSPA Master's program, a student must have either a 3.0 GPA (on a scale in which A equals 4.0) for the last 60 hours of undergraduate work or, if less than a 3.0 GPA, provide scores from the General Tests of the Graduate Record Examination (GRE). Students must either demonstrate leadership in campus life or related full-time work experience to be admitted to this degree program. All applicants must submit two letters of reference (one from a professor and one from someone familiar with the student's activities and involvement or related work), a current resume, and an essay addressing motivation and qualifications to pursue the degree. An interview may be required for admission. Full-time students are admitted during the fall semester only.

University requirements for admission to this degree are listed elsewhere in this catalog.

Program Requirements

The CSPA Master of Science degree requires either 42 credit hours of coursework with a capstone seminar, or 36 credit hours of coursework plus a comprehensive examination, or 36 credit hours plus a thesis.

Educational Administration (M.S./M.S. in Ed.)

Admission Requirements

To be admitted to the master's program a student must have at least a 3.0 GPA (on a scale in which the grade of A equals 4) for the last 60 hours of undergraduate coursework and submit scores from the General Test of the Graduate Record Examination.

Applicants for the M.S. in Ed. degree must also show evidence of at least two years of fulltime P-12 teaching (or counseling) experience and a valid license. All applicants must submit professional letters of reference, a resume, and an essay. Applicants must also participate in an in-person interview. Admission is competitive.

Program Requirements

University requirements for the master's degree are listed elsewhere in this catalog. The M.S. degree requires 33 credit hours with a thesis. Students must meet with an advisor to develop an approved plan of study.

The M.S. in Ed. degree requires 36 credit hours of course work, to include ten courses and an internship. Students must meet with an advisor to develop an approved plan of study. Check with the department regarding courses required for the professional educator endorsement.

Principal Sequence

The Principal Sequence in the Master of Science in Education degree requires 36 credit hours of coursework including professional practice:

— EAF 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 498 (6 hours).

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Educational Administration and Foundations Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the department.

Teacher Leader Sequence

The Teacher Leader Sequence in the Master of Science in Education degree requires 33 credit hours of coursework with an action research project and capstone seminar, to include:

— The core courses for this degree: EAF 418, 419, 420, 431, 435, 437; SED 454; TCH 473, 478.
— A two-semester Action Research project and Capstone Course: EAF 415 and 438. Students must have attained Advanced Graduate status to begin the capstone experience.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Educational Administration and Foundations Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the department.

Doctoral Programs

Admission Requirements

The Department offers work leading to the Ed.D. and Ph.D. degrees with a focus in either higher education administration, P12 administration, or educational research and foundations. To be eligible for consideration for admission, all applicants must submit the following for review: one official transcript from each college or university other than Illinois State University; two professional letters of recommendation; a statement of career goals indicating their compatibility with the Department's mission, and an academic writing sample. Applicants with a higher education focus must have two years of experience at a higher education institution or related agency. Applicants with a P12 focus must have either a Type 75 license or principal endorsement with school leadership experience. Applicants with an educational research and foundations focus must have a master's degree. No clinical experience in educational settings is required. Doctoral applicants must be available for an interview (on-campus or by Skype). Admission is competitive.

Program Requirements

The doctoral program requires a doctoral examination and a minimum of 75 hours: 60 hours of course work and 15 hours of dissertation research. P12 applicants with an Ed.S. degree from an accredited institution and proof of at least five years of building- or district-level administrative experience within the last eight years may transfer up to 30 hours of doctoral level coursework (not including dissertation hours). Other university requirements for these degrees are listed elsewhere in this catalog. All students must meet with an advisor to develop an approved Plan of Study.

Requirements for Ph.D. Candidacy

In general, the department requires that a Ph.D. candidate must have competency in two research methodologies. Competency in a methodology may be demonstrated by:

1. Certification by the Department of Educational Administration and Foundations regarding knowledge and application of statistics, qualitative research, or assessment as a research methodology.
2. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of other research methodologies (e.g. legal research).
3. Certification by the Department of Educational Administration and Foundations (and faculty external to the department when appropriate) regarding knowledge and application of a discipline for research purposes.

Post-Baccalaureate Certificate Program

Post-Baccalaureate Teacher Leader Certificate:

The Post-Baccalaureate Teacher Leader Certificate program requires 18 credit hours of coursework that lead to Illinois Teacher Leader Endorsement: EAF 418, 419, 420; SED 454; TCH 473 and 478.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Educational Administration and Foundations Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A listing of portfolio requirements can be obtained from the department.

Post-Master's Graduate Certificate Programs

Post-Master's Graduate Certificate for General Administrative Certification

This program is not currently accepting applications. For candidates currently enrolled, no general administrative endorsement shall be issued after August 31, 2014, pursuant to Illinois School Code Section 25.335.

Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Superintendent Endorsement. Required for admission is documentation of P-12 leadership experience, Type 75 certificate, and possession of a master's degree from a regionally accredited institution. For this 36 hours program, the following courses (3 credit hours each) are required: EAF 508, 521, 548, 576, 580, 583, 584, 585, 586, 587, and 598.

Post-Master's Graduate Certificate for Chief School Business Official

The course of study for this Post-Master's Graduate Certificate meets the requirements for the Chief School Business Official Endorsement. Required for admission is documentation of possession of a Type 75 certificate, a master's degree, and P-12 leadership experience. Applicants with a master's degree in Business or Accounting do not need the Type 75 certificate. For this 36 hour program, the following courses (3 credit hours each) are required: EAF 508, 521, 548, 575, 576, 579, 580, 584, 585, 586, 587, and 596.

Educational Administration and Foundations Courses

401 ADMINISTERING EDUCATIONAL TECHNOLOGY 3 sem. hrs.

Planning, implementing, and evaluating technology. Practical approach to staff development, organizational effectiveness, facilities, finances, and technical aspects. Prerequisite: EAF or Instructional Technology degree students only.

410 RESEARCH METHODOLOGY AND STATISTICS IN EDUCATION I 3 sem. hrs.

The development of basic skills required in the understanding, planning, and executing of a research study; introduction to analysis of quantitative and qualitative data.

411 EDUCATIONAL EVALUATION AND ASSESSMENT 3 sem. hrs.

Quantitative, qualitative, and mixed-methods design, measurement, and analysis principles and practices for evaluation and assessment, program development, and instructional improvement. Prerequisite: EAF 410 or consent of the instructor.

**415 QUALITATIVE RESEARCH
IN EDUCATIONAL SETTINGS**
3 sem. hrs.

The development of the necessary knowledge and skills for applying qualitative techniques of investigation to the research of educational problems.

**418 ISSUES IN SITE-LEVEL LEADERSHIP:
TEACHER LEADER**
3 sem. hrs.

This course explores the management and alignment of building-level human and fiscal resources to address student learning and school improvement. Prerequisites: Admission to the Teacher Leader Certificate program or the Teacher Leader Sequence.

**419 LEADING LEARNING FOR EQUITY AND
SOCIAL JUSTICE: TEACHER LEADER**
3 sem. hrs.

The course goal is to engender in teacher leaders the dispositions and strategies that lead to socially just schools. Prerequisite: Admission to the Teacher Leader Certificate program or Teacher Leader Sequence.

**420 SUPERVISION FOR LEARNING
ENVIRONMENTS: TEACHER LEADER**
3 sem. hrs.

Students learn supervisory techniques to improve the PK-12 teaching/learning process, including observational data collection and analysis, and conferencing skills. Prerequisite: Admission to the Teacher Leader Certificate program or the Teacher Leader Sequence.

423 PROFESSIONAL ETHICS IN EDUCATION
3 sem. hrs.

Systematic inquiry into ethical issues faced by contemporary educators and philosophical techniques and theories which can help practitioners resolve them.

**428 SELECTED TOPICS IN FOUNDATIONS
OF EDUCATIONAL POLICY**
3 sem. hrs.

Intensive inquiry into the educational significance of problems generated by philosophical, comparative, or historical issues. May be repeated if topic is different.

428A01 COLLEGE STUDENT PERSONNEL
3 sem. hrs.

Prerequisites: Student Affairs Work: Admission to CSPA graduate program or consent of the instructor.

430 ISSUES IN SITE-LEVEL LEADERSHIP
3 sem. hrs.

Course teaches how to align building-level human/fiscal resource allocation to develop effective instruction to meet specific student improvement needs. Not for credit if had EAF 465 *MANAGING HUMAN AND FISCAL RESOURCES IN EDUCATION*.

431 SCHOOL LEADERSHIP AND THE LAW
3 sem. hrs.

Legal aspects of Illinois public education with emphasis on constitutional law and rulings and rights/responsibilities of school partners and community. Not for credit if had EAF 478 *LEGAL BASES OF PUBLIC EDUCATION*.

432 PRINCIPAL AS CHANGE AGENT
3 sem. hrs.

Course provides exploration of leadership practice/theory, change processes/models, communication skills, and frameworks for building learning cultures that support sustainable change. Not for credit if had EAF 485 *PRINCIPALSHIP*.

**433 LEADING LEARNING FOR EQUITY
AND SOCIAL JUSTICE**
3 sem. hrs.

The focus of this course is on dispositions and strategies of school leaders working toward socially just schools, where every student can achieve.

**434 SUPERVISION FOR LEARNING
ENVIRONMENTS**
3 sem. hrs.

Students will learn supervisory techniques to improve the PK-12 teaching/learning process, including observational data collection and analysis, and conferencing skills.

435 LEADERSHIP FOR STAGES OF MIND
3 sem. hrs.

This course provides exploration of leadership applications of educational neuroscience to enhance learning capacities from early childhood through adulthood.

**436 LEADERSHIP FOR DIVERSE
LEARNING NEEDS**
3 sem. hrs.

This course introduces the knowledge and skills for a school leader to meet the needs of a diverse student population.

437 ASSESSMENT DATA SYSTEMS
3 sem. hrs.

Course provides exploration of school and district-level assessment systems that will facilitate student learning and provide information for professional development. Not for credit if had EAF 401 *ADMINISTERING EDUCATION TECHNOLOGY*.

**438 BUILDING COMMUNITY ENGAGEMENT
THROUGH COLLABORATION**
3 sem. hrs.

Purposes and processes of school-community relationships and how to build community engagement through collaboration and partnerships to support student learning. Not for credit if had EAF 494 *EDUCATIONAL PUBLIC RELATIONS*.

**439 LEADING SCHOOL IMPROVEMENT
PLANNING**
3 sem. hrs.

This course provides an introduction to school improvement planning PreK through high school, focusing on curriculum, instruction and professional development.

**447 ADMINISTERING EDUCATIONAL PROGRAMS
FOR STUDENTS WITH DISABILITIES**
3 sem. hrs.

Principles and problems involved in administration of educational programs for exceptional children. Also offered as SED 447.

**461 STUDENT DEVELOPMENT THEORY
IN HIGHER EDUCATION**
3 sem. hrs.

Introduction to the relevant developmental theories and how they are applied in student affairs settings on college campuses. Prerequisite: Admission to the CSPA master's program.

462 ORGANIZATION AND ADMINISTRATION OF STUDENT AFFAIRS FUNCTIONS IN HIGHER EDUCATION
3 sem. hrs.

Introduction to the services, programs, staffing and policies offered in student affairs areas on college campuses. Prerequisite: EAF 461.

463 COLLEGE STUDENTS AND THEIR CULTURES
3 sem. hrs.

Overview of different campus cultures from a developmental, historical, and philosophical perspective, and the types of students within them. Prerequisite: EAF 461 or consent of the instructor.

464 PRACTICUM IN COLLEGE STUDENT PERSONNEL ADMINISTRATION
3-8 sem. hrs.

Supervised work experience in a student services' office, department, or related area in a higher education setting. May be repeated. Prerequisite: EAF 462.

465 MANAGING HUMAN AND FISCAL RESOURCES IN EDUCATION
3 sem. hrs.

Prepares building administrators to plan and implement use of human and fiscal resources for delivery and improvement of educational programs. Emphasis is on skills principals need related to budget and personnel. Prerequisites: EAF 401, 410, 485, 494.

466 COLLEGE STUDENTS AND THE LAW
3 sem. hrs.

Legal concepts, issues, and court decisions affecting college students and implications for student personnel administrators in higher education.

467 ISSUES AND SKILLS FOR COUNSELING COLLEGE STUDENTS
3 sem. hrs.

Introduction to issues and structured practice of interpersonal skills required for counseling the college population. Prerequisites: EAF 461, 462 or consent of the instructor

468 SEMINAR ON THE HISTORY OF AMERICAN HIGHER EDUCATION
3 sem. hrs.

Examines the historical development of American higher education, noting trends in types of institutions, funding, administration, students, faculty, and administration.

469 COMPARATIVE HIGHER EDUCATION
3 sem. hrs.

Comparative examination of contemporary issues in international higher education systems, including governance, finance, academic affairs, access and student affairs.

473 ORGANIZATION AND ADMINISTRATION OF COMMUNITY COLLEGES
3 sem. hrs.

Community colleges in relation to other post-secondary education institutions. Examines impact of organizational structure, policies, and finance on student outcomes.

478 LEGAL BASES OF PUBLIC EDUCATION
3 sem. hrs.

Legal aspects of public education with emphasis on constitutional law, the Illinois School Code, and judicial rulings. Examination of rights and responsibilities of boards, administrators, teachers and students. Prerequisites: EAF 401, 410, 485, 494.

482 ADMINISTRATION SEMINAR
3 sem. hrs.

Emphasis upon changing educational relationships, students' major concerns, and current problems. Prerequisite for EAF 482A01, College Student Personnel Capstone: To be taken the final semester in program or consent of the instructor.

482A01 ADMINISTRATION SEMINAR NON-CERTIFICATION
3 sem. hrs.

Prerequisite: EAF 482.

484 ADMINISTRATION OF CONTINUING EDUCATION AND PUBLIC SERVICE
3 sem. hrs.

Examines impact of organizational structure, policy, and finance on capacities of higher education to serve adult students.

487 ORGANIZATION DEVELOPMENT
3 sem. hrs.

Conceptual understanding and skill development in planned change, conflict management, interpersonal communications, group processes, and team building as they relate to improving organizations.

494 EDUCATIONAL PUBLIC RELATIONS
3 sem. hrs.

Issues and techniques of Public Relations as a two-way process: interpreting the public to the system as well as interpreting the system to the public as a basis for action. Prerequisites: EAF 401 and 485.

498 PROFESSIONAL PRACTICE
1-3 sem. hrs.

Refer to Index for General Courses. Administrative experiences in educational settings that are planned and guided by university and educational organization personnel. May be repeated for credit.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS
1-5 sem. hrs.

Refer to Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM
1 sem. hr.

Refer to Index for General Courses.

508 APPLIED EDUCATIONAL RESEARCH
3 sem. hrs.

Presents technical and analytical tools needed to assess school district and unit performance and to conduct research on educational problems and issues. Prerequisite: EAF 410 or equivalent.

**509 RESEARCH DESIGN IN EDUCATION:
ISSUES AND STANDARD PRACTICES**
3 sem. hrs.

Examination of issues related to designing and planning research studies. Students learn to apply techniques to specific educational research problems. Prerequisite: EAF 410 or equivalent.

**510 RESEARCH METHODOLOGY AND
STATISTICS IN EDUCATION II**
3 sem. hrs.

Logic of statistical inference; introductory study of analysis of variance and multiple regression, with a computer oriented approach. Prerequisite: EAF 508, 509 or equivalent.

**511 RESEARCH METHODOLOGY AND
STATISTICS IN EDUCATION III**
3 sem. hrs.

Design of multi-variable studies, multivariate data analysis using statistical computer programs. Prerequisite: EAF 510 or equivalent.

**512 ADVANCED TOPICS: RESEARCH
METHODOLOGY**
1-6 sem. hrs.

Provides for advanced study of research design and data analysis. Consult instructor prior to registration. Prerequisite: EAF 511 (quantitative) or 515 (qualitative) or consent of the instructor.

**513 EDUCATIONAL EVALUATION AND
ASSESSMENT II**
3 sem. hrs.

Critical analysis of the theories and practice of student assessment and program evaluation in P-12 and higher education. Prerequisite: EAF 411 or consent of the instructor.

**515 METHODS OF QUALITATIVE
RESEARCH IN EDUCATION**
3 sem. hrs.

Develops knowledge and skills in research design, data collection and analysis techniques associated with qualitative research. These techniques are employed in a research project associated with educational problems. Prerequisite: EAF 415 or SOC 473, or consent of the instructor.

**521 MORAL AND POLITICAL THEORETICAL
FOUNDATIONS OF EDUCATION**
3 sem. hrs.

Examination of moral and political dimensions of educational issues and critical reflection on purposes of education in a democracy.

**523 CRITICAL HISTORICAL FOUNDATIONS
OF EDUCATION**
3 sem. hrs.

Intensive inquiry into the socio-cultural, philosophical, and historical dimensions of selected educational issues. May be repeated providing the subject matter is not repeated. Formerly *SEMINAR IN EDUCATIONAL POLICY*. Prerequisite: One graduate level course in educational foundations or consent of the instructor.

525 CULTURAL FOUNDATIONS OF EDUCATION
3 sem. hrs.

Analysis of cultural foundations in education.

**526 CRITICAL READINGS IN EDUCATIONAL
FOUNDATIONS**
3 sem. hrs.

Critical reading and critique of selected works that have affected educational thought. Specific topics may vary and students will complete research projects on selected areas of critical inquiry. May be repeated if topic is different; maximum 9 hours. Formerly *EDUCATIONAL THOUGHT*.

526A03 CULTURALLY RESPONSIVE PRACTICE
3 sem. hrs.

Critical reading and critique of selected works that have affected educational thought. This course examines the role of identity in educational contexts and what it means to be culturally responsive as educational professionals.

**548 ADVANCED SEMINAR ON LEGAL
BASES OF EDUCATION**
3 sem. hrs.

For advanced graduate students in Educational Administration. Varied emphasis depending on interests of students and contemporary issues in school law. May be repeated if topic is different. Prerequisite: EAF 478.

**561 ORGANIZATION AND GOVERNANCE
IN HIGHER EDUCATION**
3 sem. hrs.

Introduction and extensive reading of literature in organization and governance in higher education. Topics include organizational structure, policies, and practices for administration of contemporary higher education.

**563 CRUCIAL ISSUES IN AMERICAN
HIGHER EDUCATION**
3 sem. hrs.

Issues, problems, and current topical concerns in the administration of higher education. Specific topics may vary and students will complete research projects on selected current critical issues. May be repeated.

564 PLANNING IN HIGHER EDUCATION
3 sem. hrs.

Components, models, and approaches to planning in higher education. Includes needs assessment, master planning, self-study, outcomes, and the function of institutional research. Prerequisite: EAF 561 or consent of the instructor.

**570 PUBLIC FINANCE OF
HIGHER EDUCATION**
3 sem. hrs.

An investigation of topics and problems in the public finance of higher education. Topics will vary each semester but the following will be included: Revenue policy and expenditure policy for higher education, program and performance budgeting and other efficiency concerns, investment in education and national economic growth, aspects of the business management of higher education. Prerequisite: EAF 561 or consent of the instructor.

**575 SEMINAR IN SCHOOL BUSINESS
MANAGEMENT**
3 sem. hrs.

Emphasis on planning and cost analysis strategies for local school district financial management. Content will vary with the needs of the students and focus on emerging problems in school business and financial management that leads to school improvement. May be repeated.

576 ADMINISTRATION OF INSTRUCTIONAL PROGRAMS
3 sem. hrs.

Administrative strategies for implementation, maintenance, revision, and evaluation of instructional programs and curriculum.

578 LEGAL BASES OF HIGHER EDUCATION
3 sem. hrs.

Overview of the law of higher and postsecondary education. Topics will vary, but the following will be included: legal issues pertaining to students, faculty, college employees, administrators, trustees, and governance. Prerequisites: Advanced graduate standing. EAF 561 or consent of the instructor.

579 RESEARCH SEMINAR ON THE PUBLIC FINANCE OF EDUCATION
3 sem. hrs.

Seminar for graduate students who wish to understand and conduct research on the financing of education, critique output from major research centers.

580 EDUCATIONAL FACILITIES
3 sem. hrs.

Educational facilities should support the educational program. Emphasis on appraising, managing, and planning school buildings, sites, equipment, and support services.

582 ADMINISTRATIVE THEORY IN EDUCATION
3 sem. hrs.

Overview of sociological and behavioral theories that are applicable to administration of various educational organizations.

583 SEMINAR IN EDUCATIONAL LEADERSHIP
3 sem. hrs.

Designed to provide an understanding of the leadership structures and processes in educational organizations.

584 SUPERINTENDENT AND CENTRAL STAFF
3 sem. hrs.

An exploration of educational, political, cultural, historical, economic, and demographic perspectives that influence and shape the superintendency. Prerequisites: EAF 582 and other required certification courses; capstone course.

585 MANAGEMENT OF EDUCATIONAL FUNDS
3 sem. hrs.

Develops competence in cash and investment management, budgeting, forecasting, fund accounting, financial statements, auditing, data processing systems, and student activity funds.

586 ADMINISTRATION OF HUMAN RESOURCES
3 sem. hrs.

Develop skills for administration of human resources. Emphasis on planning, enrollment forecasting, staff development, selection, contract administration, and legal requirements.

587 COMMUNITY RELATIONS SEMINAR
3 sem. hrs.

Selected issues in community relations, such as diversity, politics, partnerships, communication, and marketing. Focus on conceptual understanding and skill development. Prerequisite: EAF 582.

590 INTRODUCTION TO DOCTORAL RESEARCH
1 sem. hr.

Overview of doctoral program expectations and development of dissertation research skills. Must pass with a grade of B or better. Prerequisite: Consent of the instructor.

591 RESEARCH SEMINAR: DOCTORAL EXAM PREPARATION
1 sem. hr.

Guidance in preparation, development, and completion of doctoral exams. Prerequisite: Consent of the advisor.

592 RESEARCH SEMINAR: DISSERTATION PROPOSAL PREPARATION
1 sem. hr.

Guidance in preparation, development, and completion of doctoral exams. Prerequisite: Consent of the instructor.

594 DOCTORAL-LEVEL SCHOLARSHIP
3 sem. hrs.

Introduction to doctoral-level scholarship, orientation to the educational administration and foundations program, exploration of faculty research, and advanced professional writing. Formerly *RESEARCH SEMINAR IN EDUCATION*. Prerequisite: Admission to the EAF doctoral program or consent of the instructor.

596 NEGOTIATED AGREEMENT ADMINISTRATION AND DEVELOPMENT
3 sem. hrs.

In-depth analysis of labor relations, contract administration, and collective bargaining issues.

598 DISTRICT LEVEL PROFESSIONAL PRACTICE
3 sem. hrs.

Standards-based experiences in school settings that are planned and guided cooperatively by university and school district personnel. Prerequisites: Students must have completed at least 9 hours of course work toward the superintendent endorsement before they can be enrolled in professional practice experiences. Students must pass the state certification exam prior to enrolling in the last 3 hours.

599 DOCTORAL RESEARCH
1-15 sem. hrs.

Refer to the Index for General Courses. Research relating to research requirements for Doctor of Philosophy and Doctor of Education degrees. Maximum of 16 semester hours credit in research may be counted toward residency.

599A01 DISSERTATION RESEARCH
1-5 sem. hrs.

Refer to the Index for General Courses.

599A90 DISSERTATION RESEARCH FINAL TERM
1 sem. hr.

Refer to the Index for General Courses.

SPECIAL EDUCATION (SED)

533 DeGarmo Hall, (309) 438-8980
Education.IllinoisState.edu/SED

Chairperson: Stacey R. Jones Bock. Office: 533 DeGarmo Hall.

Graduate Program Coordinators: Debbie Shelden, George Peterson-Karlan, Karen Douglas.

Graduate Faculty: Blum, Jones Bock, Borders, Chung, Courtad, Crowley, Cuenca-Carlino, Doubet, Douglas, Freeman-Green, Gardiner-Walsh, Hardin, Jozwik, Kaczorowski, Landa-Vialard, Lartz, Lyon, Mustian, Peterson-Karlan, Shelden, Uphold, Walker, Zablocki.

Doctoral Program

The department offers work leading to an Ed.D. degree in Special Education. The program is designed to prepare individuals in teacher education, program design/management, and research/evaluation. Admission to the program requires possession of the master's degree and professional experience relevant to the education of exceptional children and youth. The doctoral program is highly individualized, based on educational and professional experience and career plans. A student's program will include formal course work, independent study, professional practice, and a dissertation. A minimum of 75 hours are required: 60 hours of course work and 15 hours of dissertation. Students who have completed a sixth-year program or have identified only post-master's degree competencies may petition for a waiver of up to 12 semester hours of the required 60 hours of work.

Admission to the Doctoral Program

To be admitted to the Doctoral Program in Special Education, a student must submit master's level transcripts and GRE verbal and quantitative scores. GRE analytical writing scores will also be considered. Three letters of recommendation from professors, employers, or supervisors must be submitted directly to the Special Education Doctoral Program Coordinator. Specific forms and requirements for applications are available online at the Department's website. Students will be admitted to a doctoral cohort.

The Doctoral Curriculum

All doctoral candidates must complete a minimum of 75 semester hours to include:

- Twenty-three hours of core course work consisting of EAF 415, either 508 or 509, 510; SED 501, 502, 512, 513, 540.
- Thirty-seven hours of specialized course work consisting of SED 514, 515, 522, 579, 591, 594, 598A01, 598A02, and 15 hours of electives.
- Fifteen hours of dissertation work resulting in an approved dissertation.

Post-Master's Graduate Certificate for Director of Special Education

Requirements for endorsement as a Director of Special Education may be met through a post-master's degree program

(Doctorate in Special Education) or through a non-degree program. Students seeking Director of Special Education endorsement must be admitted to the department as a post-master's graduate certificate student or as a doctoral student. Coursework will enable students to meet ISBE standards leading to the Director of Special Education endorsement.

Admission to the Post-Master's Graduate Certificate for Director of Special Education

Admission requirements are the same for the Director of Special Education certificate for students in post-master's and doctoral programs: a master's degree in special education or a field of related service personnel (School Psychologist, School Social Worker, Speech and Language Pathologist) from an accredited university with a minimum grade point average of 3.0 (on scale in which A equals 4.0). All students must submit an admission portfolio including a letter of intent, a resume, and two or more years of successful teaching experience, or related service provision. In addition, all students must submit to the Director of Special Education Program Coordinator two letters of recommendation attesting to the applicant's leadership skills and appropriate disposition for advanced study in the administration of special education as well as documentation of appropriate professional licensure. Specific requirements for application are available from the Coordinator of the certificate program for Director of Special Education in the Department of Special Education.

Post-Master's Graduate Certificate for Director of Special Education Curriculum

Required graduate level courses include the following: SED 447 (3 hours), 502 (3 hours), 513 (3 hours), 517 (3 hours), 540 (3 hours), 579 (3 hours), 593A03 (1 hour), and 598A03 (4-6 hours).

Depending on coursework completed at the Master's level, the student may need to complete SED 422 to meet Illinois State Board of Education professional license endorsement requirements.

A minimum of 24 graduate credit hours are required for this post-master's graduate certificate.

Master's Degree in Special Education

The master's program in Special Education offers two degrees. A student may pursue a Master of Science or Master of Science in Education. Both prepare teachers to assume advanced roles as special educators.

Master of Science Degree

The Master of Science degree is intended to provide advanced study of special education for practicing special education teachers who have prior training and licensure in special education. The program prepares teachers to assume the advanced roles which special educators are called upon to fill. The core curriculum assures that all graduates with this degree can successfully assume these roles at an advanced level as expressed in the Council for Exceptional Children Advanced Content Standards which serve as a foundation for core courses.

Admission to the Master of Science

To be admitted to the Master's in Special Education program, Master of Science degree, a student must have obtained a grade point average of 3.0 (on a scale in which A equals 4.0) for the last 60 hours of undergraduate work or submit Graduate Record Examination scores for consideration. In addition, all students must submit an admission portfolio directly to the Department including evidence of all of the following: successful academic work in education, special education licensure, a minimum of one year of successful teaching experience with a special education caseload, and appropriate disposition for advanced study in special education. Specific requirements for application are available from the Master's program advisor and on the Department website.

The Master of Science Curriculum

All degree candidates must complete a minimum of 39 semester hours which includes:

- The core for this degree, which includes: EAF 410 or 415; SED 409, 410, 422 or 472, 440, 445 or 470, 448, and 454. Students successfully completing the core are considered to have Advanced Graduate status.
- An area of concentration or approved sequence of electives to be determined with the graduate advisor, including a minimum of 6 hours of graduate work.
- A pre-approved capstone research or application project including SED 482 and a minimum of 6 additional hours from SED 498 or SED 499. Students must have attained Advanced Graduate status to begin the capstone experience.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Special Education Performance-Based Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the Department.

Master of Science in Education Degree

The Master of Science in Education degree is intended for students without prior special education licensure who are currently teaching with a special education caseload or are seeking special education endorsement. The Master of Science in Education degree prepares teachers to assume the role of a special education teacher with the focus on a broad array of foundational competencies for initial special education teachers and an introduction to advanced competencies for special education teachers. The core curriculum assures that all graduates with this degree can successfully assume these roles at an initial competency level as expressed in the Council for Exceptional Children Core Content Standards, which serve as a foundation for core courses.

Admission to the Master of Science in Education

To be admitted to the Master's in Special Education program, Master of Science in Education degree, a student must have obtained a grade point average of 3.0 (on a scale in which A

equals 4.0) for the last 60 hours of undergraduate work or submit Graduate Record Examination scores for consideration. In addition, all students must submit an admission portfolio directly to the Department including evidence of all of the following: successful academic work in education, license to teach, a minimum of one year of successful teaching experience, and appropriate disposition for advanced study in special education. Specific requirements for application are available from the Master's program advisor and on the Department website.

The Master of Science in Education Curriculum

All degree candidates must complete a minimum of 39 semester hours which includes:

- The core for this degree, which includes: EAF 410 or 415; SED 406, 407, 410, 422, 440, 445, 448, 454 and 477. Students successfully completing the core are considered to have Advanced Graduate status.
- An area of concentration or approved sequence of electives to be determined with the graduate advisor, including a minimum of 6 hours of graduate work.
- A two-semester Clinical Capstone experience including SED 490 (1 credit hour) and SED 491 (2 credit hour). Students must have attained Advanced Graduate status to begin the capstone experience.

Candidates will prepare an individual student portfolio documenting that all requirements established in the Department of Special Education Performance-Based Assessment System have been successfully met. This documentation includes multiple measures of knowledge, performance, and disposition standards. A current listing of portfolio requirements can be obtained from the Department.

Graduate Certificates in Special Education**Admission to Graduate Certificate Programs**

To be admitted to one or more graduate certificate programs in Special Education, a student must hold a bachelor's degree from an accredited university and a current Illinois teaching license in special education or speech/language pathology. Prerequisite courses include survey of special education, educational assessment, and applied behavior analysis, *or* these will be noted as deficiency courses that must be completed prior to completion of the certificate program. Evidence of disposition for advanced study in the special education profession must be provided. Students entering the Deaf and Hard of Hearing Listening and Spoken Language Professional program must have initial licensure in deaf education or a degree in speech pathology or audiology with current licensure. They are also required to have knowledge of sign language, at least at an introductory level. Specific requirements for application are available from the Coordinator and on the Department website.

Requirements

All graduate certificates: Students must maintain a 3.0 cumulative grade point and have a minimum grade of C in each required course. Performance-based portfolios are required.

Learning Behavior Specialist 2 Graduate Certificates

These programs lead to graduate certificates of study offered by Illinois State University. Program completers who pass a state certification examination may also receive an advanced teaching endorsement from the Illinois State Board of Education.

Curriculum Adaptation Specialist: (Prerequisites: SED 101, 145, or 411 or equivalent survey course.) A minimum of 12 hours are required including SED 410, 422, 445, and 454. SED 410, 422, and 445 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Behavior Intervention Specialist: (Prerequisites: SED 101, 145, or 411 or equivalent survey course.) A minimum of 15 hours are required including SED 410, 448, 454, 449, and 452. SED 448, 449, and 452 require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Early Intervention Vision Specialist: A minimum of 15 hours in Special Education are required to complete this graduate specialization certificate program. Required courses are SED 414, 415, 416, 417; and 498A02 Professional Practice. A 3.00 cumulative graduate GPA is required for retention in this graduate certificate program.

Technology Specialist:* (Prerequisites: SED 101, 145, or 411 or equivalent survey course.) A minimum of 9 hours are required including SED 377, 379, and 479. Students who have not completed Technology Passport requirements will also be required to complete TCH 401 or an equivalent course. SED 479 requires application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Multiple Disabilities Specialist: (Prerequisites: SED 101, 145, or 411 or equivalent survey course. SED 477 or 377 or equivalent communication course and SED 379 or equivalent assistive technology course. A minimum of one year or current experience teaching students with severe or multiple disabilities.) A minimum of 15 hours are required including SED 470, 471, 472, 473, and 474. Some courses require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Transition Specialist: (Prerequisite: SED 101, 145, or 411 or equivalent survey course.) A minimum of 12 hours are required including SED 451, 453, 455, and 457. All courses require application of knowledge and skills with appropriate student populations. Students may be required to have concurrent enrollment in SED 498 Professional Practice if not currently teaching in a setting that allows for application of these skills.

Other Graduate Certificates

The following program leads to a graduate certificate offered by the University; no endorsement is currently available from the Illinois State Board of Education.

Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Specialization Certificate:

(Prerequisites: SED 101, 145, or 411 or equivalent survey course.) A minimum of 12 hours are required including SED 402, 403, 404, and 405. Some courses require application of knowledge and skills with appropriate student populations; therefore, students will be required to enroll in 3-6 semester hours of SED 498 unless this requirement is specifically waived by the department.

*Certificate programs with an asterisk are currently closed to new admissions.

Special Education Courses

340 THE DEVELOPMENT OF LANGUAGE IN STUDENTS WHO ARE DEAF AND HARD OF HEARING 3 sem. hrs.

The study of the language development of children who are deaf and hard of hearing compared to normal language development.

350 INTRODUCTION TO VISUAL IMPAIRMENTS 3 sem. hrs.

Impact of visual impairments on development; basic anatomy of the eye; types, causes, and educational implications of eye disorders; educational programming. Includes clinical experiences, approximately 10 hours. Prerequisite: SED 101 or consent of the department chair.

351 EDUCATIONAL PLANNING FOR STUDENTS WITH VISUAL IMPAIRMENTS 3 sem. hrs.

Application of educational diagnosis to educational programming and instruction of individuals with visual impairments. Prerequisites: SED 350, 352, 363, 364, and 365, or consent of the department chair. Admission to Professional Studies.

352 BRAILLE READING AND WRITING 3 sem. hrs.

Preparation in reading and writing using the Braille Literary Code. Includes an introduction to Braille Textbook Format. Lecture and lab. Materials charge optional. Prerequisite: Consent of the department chair.

353 EDUCATION OF STUDENTS WHO ARE DEAF AND HARD OF HEARING 3 sem. hrs.

Psychological, social, historical, and educational issues relating to education of individuals who are deaf and hard of hearing. Includes clinical experiences, approximately 10 hours. Prerequisite: SED 101.

354 TEACHING LANGUAGE TO DEAF AND HARD OF HEARING STUDENTS
3 sem. hrs.

Principles and techniques of developing and teaching language to deaf and hard of hearing students at all grade levels, P-12. Prerequisites: SED 130, 230, 330, 353 or consent of the department. Concurrent registration in SED 247. Admission to Professional Studies.

355 THE TEACHING OF SPEECH TO DEAF AND HARD OF HEARING STUDENTS
3 sem. hrs.

Principles and techniques of developing and teaching speech to hearing impaired students at all grade levels, P-12. Prerequisites: SED 354 and CSD 211 or consent of the department. Concurrent registration in SED 248. Admission to Professional Studies.

357 ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS
2 sem. hrs.

Practicum in basic daily living skills and rudimentary mobility techniques for individuals with visual disabilities. Prerequisite: Admission to Professional Studies.

358 READING AND ASSESSMENT FOR STUDENTS WITH VISUAL IMPAIRMENTS
3 sem. hrs.

Competencies to teach and assess reading for students who use print, Braille, and auditory media; functional vision assessment techniques emphasized. Instructional techniques and materials emphasized. Prerequisites: SED 350 and 352; TCH 208 and 209. Admission to Professional Studies.

359 TEACHING READING AND SCHOOL SUBJECTS TO DEAF AND HARD OF HEARING STUDENTS
3 sem. hrs.

Teaching reading and other core subjects to deaf and hard of hearing students at all grade levels. Prerequisites: SED 354. Concurrent registration in SED 249. Admission to Professional Studies.

363 ADVANCED BRAILLE AND THE NEMETH BRAILLE CODE
3 sem. hrs.

Preparation in Nemeth Braille and other braille codes, the abacus, and preparation of materials for students with visual impairments. Materials charge optional. Prerequisites: Admission to Professional Studies. SED 352 must be completed the semester preceding SED 363.

364 ASSISTIVE TECHNOLOGY FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS
3 sem. hrs.

Preparation in the instruction and assessment of assistive technology used by individuals with visual impairments. Not for credit if had SED 356. Materials charge optional. Prerequisites: Admission to Professional Studies. SED 350; concurrent registration in SED 352.

365 ADVANCED ASSISTIVE TECHNOLOGY FOR INDIVIDUALS WITH VISUAL IMPAIRMENTS
3 sem. hrs.

Advanced features of recently developed technologies used by persons who are visually impaired. Emphasis on advanced instructional applications. Prerequisites: Admission to Professional Studies and SED 364.

367 LOW VISION AND PSYCHOLOGICAL IMPLICATIONS OF VISUAL IMPAIRMENTS
2 sem. hrs.

Introduction to low vision, the implications and attitudes associated with visual impairments and blindness, and strategies for teachers. Prerequisite: Admission to Professional Studies.

369 TECHNOLOGY FOR YOUNG CHILDREN WITH DISABILITIES
3 sem. hrs.

Overview of instructional and assistive technology, including Universal Design principles, for children birth to age eight at risk of/with disabilities. Not for credit if had SED 379. Materials charge optional. Prerequisite: SED 101 or equivalent or consent of the department chair.

374 EDUCATIONAL ASSESSMENT OF PRESCHOOL CHILDREN WITH DISABILITIES
3 sem. hrs.

Techniques and issues involved in gathering, analyzing and synthesizing data for developing and monitoring individualized programs for preschool children with disabilities. Prerequisite: SED 101 or consent of the department chair.

375 ASSESSMENT AND PLANNING FOR DEAF AND HARD OF HEARING STUDENTS
3 sem. hrs.

Examines individual assessment tools and techniques appropriate for developing an individualized educational program for students who are deaf and hard of hearing. Materials charge optional. Prerequisite: SED 359 or concurrent registration.

386 EARLY INTERVENTION FOR INFANTS AND YOUNG CHILDREN WITH DISABILITIES
3 sem. hrs.

Curriculum and organization of service delivery for young children with disabilities. Emphasis on birth to eight years of age. Prerequisite: SED 101 or equivalent.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to the Index for General Courses. Prerequisite: Consent of the department chairperson.

402 AURAL REHABILITATION FOR YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Teacher's role in aural rehabilitation. Includes amplification and cochlear implant technologies as well as curriculum and intervention. Emphasis on birth-3 years. Prerequisite: Admission to Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Certificate program or consent of the department chairperson.

403 DEVELOPING SPOKEN LANGUAGE COMMUNICATION IN YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Advanced techniques and strategies for assessing and developing speech in the young child who is deaf. Emphasis on birth-3 years. Prerequisites: Admission to Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Certificate program or consent of the department chairperson; SED 402.

404 COLLABORATION AND CONSULTATION WITH FAMILIES AND PROFESSIONALS SERVING YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Design of family-centered intervention with young children who are deaf. Emphasis on birth-3 years. Prerequisite: Admission to Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Certificate program or consent of the department chairperson.

405 LISTENING AND SPOKEN LANGUAGE METHODS FOR YOUNG CHILDREN WHO ARE DEAF AND HARD OF HEARING
3 sem. hrs.

Developmentally appropriate assessment, curriculum, and teaching techniques for home and center-based interventions with children who are deaf. Emphasis on birth-3 years. Prerequisites: Admission to Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Certificate program or consent of the department chairperson; SED 402 and 403.

406 INDUCTION INTO SPECIAL EDUCATION I
3 sem. hrs.

Support and guidance for novice educators covering foundations of special education, learning environments, legal implications, and individualized education planning process. Prerequisites: SED 104, 145, 411, or equivalent.

407 INDUCTION INTO SPECIAL EDUCATION II
3 sem. hrs.

Support and guidance for novice educators covering foundations of special education, learning environments, legal implications, and individualized education planning process. Prerequisite: SED 406.

409 TEACHER LEADERSHIP IN SPECIAL EDUCATION
3 sem. hrs.

Educational leadership models and practices, teacher leadership roles, and action research as they relate to special education. Prerequisites: SED 101, 145, 411, or equivalent.

410 EDUCATIONAL ASSESSMENT AND PLANNING FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Assessment in the context of classrooms and educational systems with emphasis on determination of individual needs and development of plans to meet needs. Prerequisites: SED 406 or 409 or consent of the instructor.

411 SURVEY OF METHODS IN SPECIAL EDUCATION
3 sem. hrs.

Physiological, psychological, sociological and educational impact of disabilities on children, youth and adults. Methods to address educational needs. All areas of exceptionality studied.

414 ASSESSMENT OF YOUNG CHILDREN WHO ARE BLIND OR VISUALLY IMPAIRED
3 sem. hrs.

Assessment of children ages 0-3 years who have visual impairments, including functional vision, orientation and mobility, and learning media assessments. Prerequisites: Admission to Graduate Specialization Certificate - Early Intervention Vision.

415 COLLABORATION WITH FAMILIES AND PROFESSIONALS SERVING YOUNG CHILDREN WHO ARE BLIND OR VISUALLY IMPAIRED
3 sem. hrs.

Development of collaborative relationships between families and professionals serving young children who are blind or visually impaired. Prerequisite: Admission to Graduate Specialization Certificate-Early Intervention Vision or consent of the department chair.

416 INTERVENTION WITH YOUNG CHILDREN WHO ARE BLIND OR VISUALLY IMPAIRED
3 sem. hrs.

Developmentally appropriate assessment, curriculum, and teaching techniques for home and classroom interventions with children with visual impairments. Emphasis on birth-3 years. Prerequisite: SED 498A02.

417 IMPACT OF ADDITIONAL DISABILITIES/DEAFBLINDNESS ON THE DEVELOPMENT OF CHILDREN WHO ARE BLIND OR VISUALLY IMPAIRED
3 sem. hrs.

Impact of additional disabilities/deafblindness on development of children with visual impairments, including impact on assessment, family, collaboration, and intervention. Prerequisites: SED 498A02, SED 416 (concurrent registration).

422 TEACHING DIVERSE LEARNERS
3 sem. hrs.

In-depth instruction on evidence- and research-based practices in the content areas for students with mild to moderate disabilities. Prerequisites: SED 407, 409, or admission to School Psychology Specialist program and SED 101, 145, 411, or equivalent.

440 CONTEMPORARY ISSUES AND TRENDS IN SPECIAL EDUCATION
3 sem. hrs.

Advanced study of how knowledge in special education is created, organized, and linked to other disciplines through a critical review of current literature and research.

445 CURRICULUM DEVELOPMENT AND MODIFICATION FOR DIVERSE LEARNERS
3 sem. hrs.

Study of curriculum development, curricular modification and assessment of learning outcomes for students with disabilities and other special needs. Prerequisites: SED 407 or 409 or consent of the instructor.

446 SEMINAR IN SPECIAL EDUCATION AND REHABILITATION
2 sem. hrs.

Seminar in various areas of special education and rehabilitation.

447 ADMINISTERING EDUCATIONAL PROGRAMS FOR STUDENTS WITH DISABILITIES
3 sem. hrs.

Principles and problems involved in administration of educational programs for exceptional children. Also offered as EAF 447.

448 APPLIED BEHAVIOR ANALYSIS: CHANGING BEHAVIOR AND LEARNING ENVIRONMENTS
3 sem. hrs.

Developing positive behavioral supports through advanced behavior principles of functional and structural assessment and implementation of research-based practices. Prerequisites: SED 407 or 409, and 454, or consent of the instructor.

449 TEACHING STUDENTS WITH EMOTIONAL AND BEHAVIORAL DISABILITIES
3 sem. hrs.

Provides preparation and practice in behavioral consultation and collaborative development of effective academic and behavior change programs in school and community settings. Prerequisites: SED 448 and 454.

451 FACILITATING STUDENT-DIRECTED TRANSITION PLANNING
3 sem. hrs.

Focuses on strategies of self-determination, self-management, and student-directed activities and application to transition planning and implementation for youth with disabilities. Prerequisites: SED 101, 145, or 411 or equivalent.

452 TEACHING AND SOLVING BEHAVIORAL ISSUES IN AUTISM SPECTRUM AND RELATED BEHAVIORAL DISORDERS
3 sem. hrs.

Foundation concepts of autism spectrum and related behavioral disorders including history, identification, assessment, and analysis of interventions. Prerequisite: SED 448.

453 INTERAGENCY COMMUNITY AND POSTSECONDARY SYSTEMS
3 sem. hrs.

Strategies for effective transition planning and collaboration between community services and schools to achieve postsecondary education outcomes for individuals with disabilities. Prerequisite: SED 451.

454 CONSULTATION AND COLLABORATION IN SPECIAL AND GENERAL EDUCATION
3 sem. hrs.

Provides preparation for effective consultation and collaboration between professionals, paraprofessionals, parents, and students.

455 FACILITATING EMPLOYMENT OUTCOMES FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Theory and practice related to career development, employment, and vocational models for adolescents and young adults with disabilities. Prerequisite: SED 451.

457 FACILITATING SOCIAL, LEISURE, AND INDEPENDENT LIVING OUTCOMES FOR INDIVIDUALS WITH DISABILITIES
3 sem. hrs.

Transition practices that promote successful outcomes for youth with disabilities in leisure, social, independent living, and community integration aspects of life. Prerequisite: SED 451.

470 RESEARCH PRACTITIONER: MULTIPLE DISABILITIES
3 sem. hrs.

Practitioners as researchers with learners with multiple disabilities. Includes authentic assessment, curriculum development, social behavior interventions, and instructional adaptations. Prerequisites: SED 101, 145, or 411 or equivalent.

471 ADDRESSING NEEDS OF LEARNERS WITH PHYSICAL DISABILITIES AND HEALTH IMPAIRMENTS
3 sem. hrs.

Issues, practices, and methodology in school and community-based programs for individuals with physical disabilities and health impairments. Prerequisites: SED 101, 145, 411 or equivalent.

472 SYSTEMATIC INSTRUCTION FOR LEARNERS WITH MULTIPLE DISABILITIES
3 sem. hrs.

Advanced theory and application of systematic instructional strategies, including prompting, reinforcement, error correction, maintenance, and generalization. Prerequisites: SED 409, 473, or consent of the instructor.

473 INTRODUCTION TO EDUCATING INDIVIDUALS WITH MULTIPLE DISABILITIES
3 sem. hrs.

Characteristics, values, principles, trends, and current issues related to educating individuals with moderate, severe, and multiple disabilities. Prerequisites: SED 101, 145, 411, or equivalent.

474 ACCESS TO GENERAL EDUCATION CURRICULA AND SETTINGS
3 sem. hrs.

Curriculum, assessment, and instruction to promote access to the general education curriculum for students with moderate, severe, and multiple disabilities. Prerequisites: SED 470 and 472.

477 TECHNOLOGY TO SUPPORT LEARNING, INSTRUCTION, AND COMMUNICATION IN SPECIAL EDUCATION
3 sem. hrs.

Examines applications of technology to support student learning and instruction in communication, academic, and life skills of students with disabilities. Prerequisites: SED 101, 145, 411, or equivalent.

482 SEMINAR IN SPECIAL EDUCATION RESEARCH AND LEADERSHIP
3 sem. hrs.

Analysis of professional literature and research in leadership areas. Development of professional portfolio with entries that demonstrate effective leadership and research practitioner skills. Prerequisite: Advanced graduate status.

490 CLINICAL CAPSTONE I**1 sem. hr.**

Individualized feedback and development of action plan to improve teaching and learning. Prerequisite: Consent of the instructor.

491 CLINICAL CAPSTONE II**2 sem. hrs.**

Synthesis and application of individualized action plan. Includes supervised clinical experience. Prerequisites: SED 490; consent of the instructor.

498 PROFESSIONAL PRACTICE**1-12 sem. hrs.**

Supervised work experience in local, state, national, and international businesses, agencies, institutions, and organizations. The experience is planned, administered, and supervised at the departmental level and coordinated through Professional Practice. For more information, refer to the Index for General Courses.

498A01 PROFESSIONAL PRACTICE: DEAF/HARD OF HEARING**1-12 sem. hrs.**

May be repeated. Refer to Index for General Courses.

498A02 PROFESSIONAL PRACTICE: EARLY INTERVENTION VISION SPECIALIST**1-12 sem. hrs.**

Individually designed course requiring 6 seminars, field observations, individually supervised home-based and clinic experiences working with infants and toddlers with visual impairment/blindness/deafblindness. May be repeated. Prerequisites: SED 414, 415.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to Index for General Courses.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Refer to Index for General Courses. Prerequisite: Consent of the department chairperson.

501 DOCTORAL-LEVEL SCHOLARSHIP**2 sem. hrs.**

Introduction to doctoral-level scholarship, orientation to the special education doctoral program, exploration of faculty research, and advanced professional writing. May be repeated with consent of the instructor. Prerequisite: Admission to Special Education Doctoral Program or consent of the instructor.

502 LEGAL AND POLICY ISSUES AFFECTING SPECIAL EDUCATION PROGRAM ADMINISTRATION**3 sem. hrs.**

Overview of state and national policy and legal issues affecting special education programs administration. Prerequisite: Admission to doctoral or post-master's certificate program or consent of the instructor.

512 SINGLE SUBJECT RESEARCH IN SPECIAL EDUCATION**3 sem. hrs.**

Provides advanced degree students with opportunities to acquire competencies in designing, conducting, analyzing, and reporting single subject research. May be repeated with consent of the instructor. Prerequisite: EAF 510.

513 SEMINAR IN EVALUATION OF SPECIAL EDUCATION PROGRAMS**3 sem. hrs.**

Examination of theories, models, issues, and practices in conducting evaluations of special education programs. Evaluation project required. Prerequisite: SED 410 or equivalent.

514 PERSONNEL PREPARATION IN SPECIAL EDUCATION**3 sem. hrs.**

An introduction to processes and applied practice in curriculum development, instruction, supervision, advisement, evaluation, and professional development for preservice and inservice education in special education settings. Prerequisite: Advanced graduate standing.

515 SEMINAR IN SPECIAL EDUCATION RESEARCH**3 sem. hrs.**

In-depth study of research issues in special education for advanced graduate students, focusing on evaluating and synthesizing research.

517 SPECIAL EDUCATION DIRECTORSHIP**3 sem. hrs.**

In-depth examination of roles and responsibilities of directors of special education within context of educational structures. Prerequisites: SED 447 and 502.

520 SEMINAR IN SPECIAL TOPICS IN SPECIAL EDUCATION**1-3 sem. hrs.**

In-depth study of specific topics in special education for advanced graduate students. May be repeated if content is different.

522 GRANT WRITING IN SPECIAL EDUCATION AND HABILITATION**3 sem. hrs.**

Students will learn about the grant review process, how to identify funding sources for projects related to individuals with disabilities, and develop competitive grant proposals.

540 SEMINAR IN CONTEMPORARY TOPICS IN SPECIAL EDUCATION**3 sem. hrs.**

Contemporary topics related to issues of identification, assessment, intervention, and other problem areas. Prerequisites: SED 440 and/or consent of the instructor.

579 ADVANCED TECHNOLOGICAL APPLICATIONS IN SPECIAL EDUCATION**3 sem. hrs.**

Advanced exploration of issues and trends related to professional preparation for assistive technology service delivery in public school settings.

591 DOCTORAL COMPREHENSIVE EXAMINATION
1 sem. hr.

Preparation, development, and completion of written and oral components of the doctoral comprehensive examination in special education. Prerequisite: Consent of the dissertation advisor.

594 DISSERTATION PROPOSAL DEVELOPMENT
3 sem. hrs.

Designed for dissertation proposal development for doctoral students. Emphasis on the design of a proposal for committee consideration.

598 PROFESSIONAL PRACTICE
1-12 sem. hrs.

Refer to Index for General Courses. Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Available as 598A01 598A02 and 598A03 (see below). Prerequisite: Admission to Doctoral Program in Special Education.

598A01 PROFESSIONAL PRACTICE IN TEACHER PREPARATION
1-12 sem. hrs.

Refer to Index for General Courses. Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Prerequisite: Admission to Doctoral Program in Special Education.

598A02 PROFESSIONAL PRACTICE IN APPLIED RESEARCH
1-12 sem. hrs.

Refer to Index for General Courses. Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Prerequisite: Admission to Doctoral Program in Special Education.

598A03 PROFESSIONAL PRACTICE IN PROGRAM ADMINISTRATION
1-12 sem. hrs.

Refer to Index for General Courses. Provides doctoral students with an opportunity to integrate academic coursework with role expectations of professional personnel. Students to enroll in 2 credit hours of 598A03 per project to be completed in a semester. Prerequisite: Admission to Doctoral Program in Special Education.

599 DOCTORAL RESEARCH
1-15 sem. hrs.

Refer to Index for General Courses. Research relating to research requirements for Doctor of Education degrees. Approval of the chairperson of the department of the program in which the student is enrolled is required.

599A01 DISSERTATION RESEARCH
1-5 sem. hrs.

Refer to Index for General Courses.

TEACHING AND LEARNING (TCH)

232 DeGarmo Hall, (309) 438-5425
Education.IllinoisState.edu/TCH

Director: Anthony W. Lorschach. Office: 232 DeGarmo Hall.
Graduate Program Coordinator: Ryan Brown.

Graduate Faculty: Al-Bataineh, Arias, Bates, Brown, Crumpler, Haling, Handsfield, Hatch, Horn, Hunt, Hurd, Husband, Jadallah, Kang, Kline, Latham, Lee, Lin, Lorschach, Lucey, MacPhee, Mertens, A. Meyer, B. Meyer, Mikulec, Miller, Morey, Osorio, Park, Percell, Quesenberry, Sanden, Williams.

Doctor of Education in Teaching and Learning

The School of Teaching and Learning offers work leading to the Ed.D. in Teaching and Learning. This program is designed to prepare researchers and practitioners for teacher education leadership roles in colleges or universities as well as the public and private sector. Students may pursue courses of study related to positions such as faculty members in community colleges, or four-year colleges and universities; teacher educators; curriculum coordinators; staff development directors; or government educational specialists.

Admissions Requirements

To be eligible for consideration for admission, applicants must hold a master's degree or equivalent and submit to University Admissions the following for review: scores from the Graduate Record Examination (GRE); one official transcript from each college or university other than Illinois State University; a professional goals statement; a writing sample; and a professional resume. These documents are to be attached to the admissions application on the Admissions website. Submit directly to the School three letters of recommendation. A score from a Test of English as a Foreign Language (TOEFL) exam or a score from an International English Language Testing System (IELTS) exam is required of applicants for whom English is a second language. A full description of admission procedures may be found on the School of Teaching and Learning website in the Teaching and Learning Doctoral Handbook.

Program Requirements

The doctoral degree requires a doctoral examination and a minimum of 66 semester hours: 51 hours of coursework and 15 hours of dissertation research. Course requirements for the 51 hours of coursework include 15 hours in the core, 6 hours of foundations, 15 hours in an area of concentration, 3 hours of Professional Practice, and 12 hours of research methods. A full description of program requirements may be found on the School of Teaching and Learning website in the Doctoral Handbook.

Scholarly Development Requirement (in lieu of Residency Requirement): A doctoral student is expected to work with one or more faculty scholar-mentors to demonstrate scholarly development as a joint or single author. This demonstration is to be completed after 18 semester hours of coursework and prior to undertaking the comprehensive doctoral examination.

The demonstration of scholarly development may take the form of, but is not limited to, one of the following: prepare and submit a manuscript for publication; prepare and deliver a conference paper or presentation or prepare and submit a grant proposal for funding. Such scholarly work should be directed to at least a statewide audience.

Master of Science in Teaching and Learning

Admission Requirements

Applicants to the M.S. degree program in Teaching and Learning may be considered for admission by meeting all of the following requirements: a 3.0 grade point average in the last 60 semester hours of undergraduate work; a valid teaching certificate; and one year of teaching experience. To be eligible for consideration for admission, applicants must submit a professional goals statement as part of the admissions application on the Admissions website. A score from a Test of English as a Foreign Language (TOEFL) exam or a score from an International English Language Testing System (IELTS) exam is required of applicants for whom English is a second language. Applicants who do not possess the required experience may request admission in consultation with the School of Teaching and Learning master's degree committee. The master's program does not lead to certification or endorsement.

Program Requirements

The M.S. in Teaching and Learning is based on the five propositions of the National Board for Professional Teaching Standards: (1) Teachers are committed to students and their learning; (2) Teachers know the subjects they teach and how to teach those subjects to students; (3) Teachers are responsible for managing and monitoring student learning; (4) Teachers think systematically about their practice and learning from experience; (5) Teachers are members of learning communities.

The M.S. in Teaching and Learning is a 30-hour program that includes either a culminating research experience or a thesis. The following courses are required for both options: TCH 407, 409, 411, 478; EAF 410; 9 hours of an elective concentration designed with an advisor. Students in the thesis option must take 6 hours of TCH 499; students in the culminating experience option must take TCH 481 and 482.

Master of Science in Instructional Technology and Design

This program is currently not accepting applications.

Master of Science in Education in Reading

Admission Requirements

The School of Teaching and Learning offers the M.S.Ed. in Reading. Applicants to the Master's Degree Program in Reading Education may be considered for admission by meeting the following requirements: a 3.0 GPA in the last 60 semester hours of undergraduate work, a current Illinois teaching certificate, and at least two years teaching experience.

Program Requirements

The M.S.Ed. in Reading is a 36-hour program that includes 6-hour Professional Research experience. The following courses are required: TCH 452, 462, 463, 464, 465, 466, 467, 471, 474, 468 or EAF 415, TCH 469; and 3 hours of electives at the graduate level.

Endorsing Teaching Certificates

Reading Teacher

The Illinois State Board of Education has identified six areas of study required of all teachers whose major teaching assignment is reading. All teachers assigned departmentalized responsibility in reading or language arts must meet this 24 semester hour requirement. The M.S.Ed. in Reading Program offers all coursework leading to the endorsement of a reading teacher.

Reading Specialist

Coursework leading to the Reading Specialist is offered in the M.S.Ed. in Reading Program. The program leading to the Reading Specialist Certificate requires the completion of 36 semester hours in reading and related educational areas. Students working on the Reading Specialist must first have a current teaching certificate. Other requirements, including any tests required for certification, can be found at the Teaching and Learning website.

Post-Baccalaureate Graduate Certificate in School Librarianship

The Post-Baccalaureate Graduate Certificate in School Librarianship provides 24 hours of coursework that prepares teachers to work in school libraries. The program is available to certified teachers and to students who have completed the bachelor's degree and are working on their initial certification. It is designed to help students receive endorsement as Library Information Specialist and to pass the Illinois content area examination. The course of study requires satisfactory completion of the following courses: TCH 414 (within the first two semesters of enrollment), 416, 440, 442, 444, 445, either 449 or 454, and three more elective credit hours in library science-related courses. Some of these courses may apply as electives to a degree program. Information on admission is available from the School of Teaching and Learning.

Teaching and Learning Courses

319 STUDY OF BILINGUAL/ BICULTURAL EDUCATION 3 sem. hrs.

Theory, research, and practice in bilingual/bicultural education. Prerequisite: Bilingual major or minor only and a minimum of 45 hours completed.

320 ASSESSMENT OF BILINGUAL LEARNERS AND BILINGUAL PROGRAM DESIGN 3 sem. hrs.

Focuses on the assessment of bilingual learners and the design of language programs for bilingual students. Formerly *BILINGUAL/BICULTURAL PROGRAM DESIGN AND IMPLEMENTATION*. Prerequisites: Teacher Education program and TCH 248 or 319.

321 METHODS AND MATERIALS FOR BILINGUAL AND ENGLISH LANGUAGE LEARNERS 3 sem. hrs.

Survey of methods and development of materials for teaching bilingual/bicultural and English language learners. Formerly *BILINGUAL/BICULTURAL METHODS AND MATERIALS*. Prerequisite: Teacher Education program.

334 ENGLISH LEARNERS IN THE MIDDLE LEVEL CLASSROOM 3 sem. hrs.

This course provides methods and materials of teaching English Learners at the middle grade level. Includes clinical experience: 10 hours. Prerequisites: Middle Level Teacher Education majors only; TCH 130.

401 INTRODUCTION TO EDUCATIONAL TECHNOLOGIES 3 sem. hrs.

Applications of technology to theories of learning and methods of instruction. Evaluating and utilizing technologies to facilitate classroom instruction.

402 REFLECTIVE TEACHING PRACTICE 3 sem. hrs.

The study of the relationship between teacher reflection, planning, decision-making, and teaching practice.

407 LEARNING IN EDUCATIONAL SETTINGS 3 sem. hrs.

The study of classroom learning and assessment.

409 STUDENT DIVERSITY AND EDUCATIONAL PRACTICES 3 sem. hrs.

Examination of the student diversities found in classrooms and the impact of diverse learners on curricular and instructional practices.

410 EMERGING EDUCATIONAL TECHNOLOGIES 3 sem. hrs.

Investigation, analysis, evaluation, and application of emerging and future technologies in K-20 educational settings. Prerequisite: TCH 401 or consent of the instructor.

411 CURRICULUM 3 sem. hrs.

The study of curriculum models, planning, and evaluation.

414 INTRODUCTION TO SCHOOL LIBRARIANSHIP 3 sem. hrs.

Explores the roles of the school librarian in management, collaboration, instruction, and collection development. Prerequisite: Licensed teachers or consent of the instructor.

416 TECHNOLOGY AND THE SCHOOL LIBRARY 3 sem. hrs.

Technology skills, planning, implementation and instruction in the school library, including bibliographic systems, district technology plans, and best practices for collaboration and instruction. Prerequisite: Licensed teachers or consent of the instructor.

**421 FUNCTIONS OF THE
MIDDLE SCHOOL
3 sem. hrs.**

Study of the classical functions of early adolescent education and the relationship of these functions to contemporary institutional/instructional settings.

**423 DEVELOPMENTAL ISSUES IN EARLY
ADOLESCENT EDUCATION
3 sem. hrs.**

Examination of developmental patterns and issues in the education of early adolescents in middle level schools.

**430 INSTRUCTIONAL TECHNOLOGY IN
EDUCATIONAL SETTINGS
3 sem. hrs.**

Application of the principles of systematic instructional design to the development of technology-enabled learning systems. Development of technology-based learning assets aligned to both technology and content standards to support and extend the educational outcomes of such systems. Formerly *EDUCATIONAL TECHNOLOGY IN THE CONTENT AREAS*. Prerequisite: TCH 401.

**432 TECHNOLOGY ACROSS THE DISCIPLINES
3 sem. hrs.**

Focuses on issues, concerns, and usage of technologies in educational settings for communication, collection, creation, collaboration, and contribution. Formerly *DESIGNING TECHNOLOGY-INFUSED INSTRUCTION FOR K-12 CLASSROOMS*. Prerequisite: TCH 401 or consent of the instructor.

**438 E-LEARNING IN THE
PK-20 CLASSROOM
3 sem. hrs.**

Examines the historical, conceptual, theoretical, and practical issues of distance teaching and learning. Provides an opportunity to design, deliver, and evaluate curricula for web-based learning. Prerequisite: TCH 401 or consent of the instructor.

**440 MANAGEMENT OF SCHOOL
LIBRARY MEDIA PROGRAMS
3 sem. hrs.**

Administration and leadership of school libraries including planning for integration into the curriculum, supervision, assessment, budgeting, collaboration with administration and teachers. Prerequisite: Licensed teacher or consent of the instructor.

**442 ORGANIZATION AND ACCESS TO
INFORMATION IN THE
SCHOOL LIBRARY
3 sem. hrs.**

Organizing and making information accessible through classification, technology, knowledge of legal and professional guidelines, facilities planning, and policy information. Prerequisite: Licensed teacher or consent of the instructor.

**443 ADVANCED TOPICS IN CURRICULUM
AND INSTRUCTION
3 sem. hrs.**

Advanced graduate study of curricular and instructional topics. May be repeated if topic is different for a maximum of 9 hours.

**444 REFERENCE AND INFORMATION SERVICES
3 sem. hrs.**

Provision of assistance in finding, evaluating, and using information, with emphasis on the knowledge and use of print and online reference sources. Prerequisite: Certified teacher or consent of the instructor.

**445 INFORMATION LITERACY
INSTRUCTION
FOR SCHOOL LIBRARIES
3 sem. hrs.**

Integration of school libraries into the curriculum with librarians as teachers, advocates, and collaborators in implementing information literacy instruction. Prerequisite: Certified elementary, middle, or high school teacher, or consent of the instructor.

**446 HISTORICAL AND PHILOSOPHICAL
CONTEXTS FOR CURRENT ISSUES IN
EARLY CHILDHOOD EDUCATION
3 sem. hrs.**

Study and analysis of historical and philosophical contexts for current issues in early childhood. Prerequisite: Admission to graduate school at Illinois State University.

**449 SELECTION AND USE OF
MATERIALS IN THE ELEMENTARY
SCHOOL LIBRARY
3 sem. hrs.**

Collection development of print and nonprint materials, grades K-8. Emphasis on age-appropriate materials supporting school curriculum and student learning. Prerequisite: Licensed teacher or consent of the instructor.

**450 CURRICULUM IN SCIENCE EDUCATION
3 sem. hrs.**

An historical review of science education curricula and analysis of contemporary standards-based curricula.

**451 RECENT RESEARCH
IN SCIENCE EDUCATION
3 sem. hrs.**

Review and critical analysis of research in science education. Application of research for reflection and improvement of practices in science education.

**452 WRITING IN THE K-12 CLASSROOM
3 sem. hrs.**

Theory and practice combine to engage teachers as writers. Candidates will examine writing and apply this process to classroom practices. Formerly TCH 493A03.

**453 INSTRUCTIONAL STRATEGIES FOR
SCHOOL SCIENCE
3 sem. hrs.**

Analysis and application of current theory and research to the design and delivery of science instructional strategies.

**454 SELECTION AND USE OF
MATERIALS IN THE SECONDARY
SCHOOL LIBRARY
3 sem. hrs.**

Collection development of print and nonprint materials, grades 6-12. Emphasis on age-appropriate materials supporting school curriculum and student learning. Prerequisite: Licensed teacher or consent of the instructor.

**459 PRINCIPLES OF ECOLOGY FOR
K-8 TEACHERS**
3 sem. hrs.

Overview of basic principles of ecology necessary to teach the subject to K-8 students. Prerequisite: Admission to graduate studies at Illinois State University.

461 LITERACY LEARNING IN A DIGITAL WORLD
3 sem. hrs.

Study of recent research in literacy learning, emphasizing technology and digital literacies for the improvement of literacy instruction. Formerly *RECENT RESEARCH IN LITERACY LEARNING*.

**462 CONNECTING LITERACY THEORY,
RESEARCH AND PRACTICE**
3 sem. hrs.

Theoretical bases for reading instruction and the relationship between theory and practice as it relates to the teaching of reading.

**463 CLASSROOM BASED ASSESSMENT
AND EVALUATION FOR DIAGNOSIS
AND INSTRUCTION**
3 sem. hrs.

Evaluation of literacy learning using authentic assessments, standardized tests, observations and portfolios. Field experiences required. Formerly *ASSESSMENT OF LITERACY LEARNING*. Prerequisite: TCH 462 is recommended.

**464 DEVELOPMENTALLY APPROPRIATE
STRATEGIES, MATERIALS AND
RESOURCES IN LITERACY**
3 sem. hrs.

The curriculum organization, instructional materials, and instructional strategies for language arts programs.

465 CONTENT AREA LITERACY
3 sem. hrs.

Strategies and materials designed to provide content area literacy instruction. Field experiences required.

**466 EVALUATION AND LEADERSHIP
IN LITERACY**
3 sem. hrs.

Designed for reading specialists to serve as change agents of literacy instruction in the school district. Prerequisites: TCH 462 and 12 hours graduate credit in Reading.

**467 READING PROCESS AND INSTRUCTIONAL
STRATEGIES**
3 sem. hrs.

Advanced study of miscue analysis for assessing strategies of ineffective readers; includes development of instruction to support less proficient readers. Field experiences are required. Formerly *ADVANCED LITERACY ASSESSMENT AND INSTRUCTIONAL STRATEGIES*. Prerequisites: TCH 462 and 463.

**468 PROFESSIONAL RESEARCH IN
LITERACY LEARNING I**
3 sem. hrs.

Design and implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisites: Completion of 27 hours in the Reading Program and consent of the Reading Program Coordinator.

**469 PROFESSIONAL RESEARCH IN
LITERACY LEARNING II**
3 sem. hrs.

Implementation of curricular and instructional change in literacy learning in an educational setting. Prerequisite: TCH 468.

470 SEMINAR IN LITERACY
1-3 sem. hrs.

Analysis of current literacy learning practices, trends, and issues. May be repeated if content is different.

**470A01 SEMINAR IN LITERACY: READER
RESPONSE IN THE CLASSROOM**
3 sem. hrs.

Analysis of current literacy learning practices, trends, and issues.

**471 SOCIAL AND CULTURAL CONTEXTS FOR
LANGUAGE AND LITERACY**
3 sem. hrs.

Examines theoretical, pedagogical and research issues in community family literacy with emphasis on cultural contexts and multiliteracies. Formerly *SEMINAR OF FAMILY LITERACY*.

**473 SUPPORTING PRACTICING TEACHERS:
EFFECTIVE MENTORING, COACHING,
AND PROFESSIONAL DEVELOPMENT
STRATEGIES**
3 sem. hrs.

Provides practicing teachers with effective coaching, mentoring, and professional development strategies to be used with a range of mentees. Formerly *MENTORING STUDENT TEACHERS*.

**474 READING LITERATURE WITH
CHILDREN IN THE CLASSROOM**
3 sem. hrs.

Analysis of students' responses to text as well as the exploration of diverse literature and instructional implications across all grades.

478 EVALUATING STUDENT PERFORMANCE
3 sem. hrs.

Examination of the theory and practice of student evaluation. Communicating student achievement and the use of assessments as decision-making tools.

481 PROFESSIONAL RESEARCH
3 sem. hrs.

Study of teacher-initiated research and design of a curricular or instructional research project in an educational setting. Prerequisites: TCH 407, 409, 411; and EAF 410.

482 PROFESSIONAL RESEARCH II
3 sem. hrs.

Conduct and present a curricular or instructional research project in an educational setting. Prerequisite: TCH 481.

**486 RESEARCH AND DEVELOPMENT
SYNTHESIS I**
3 sem. hrs.

Opportunity to develop a high-quality educational multimedia team project reflecting the processes of design, development, management, implementation, and evaluation. Begin the development of an individual instructional research project or a professional multimedia project. Prerequisites: TCH 432 and 434. This course is to be taken after all Core Curriculum and Area of Specialization courses are complete.

**487 RESEARCH AND DEVELOPMENT
SYNTHESIS II**
3 sem. hrs.

Conduct and present a technology research project or develop and present a product for an educational environment. Prerequisite: TCH 486.

491 INTERNSHIP IN COLLEGE TEACHING
3 sem. hrs.

Observation and teaching in the student's major area, with other experiences appropriate to academic involvement at the college level. Offered in cooperation and with the approval of the student's major department. Prerequisite: Graduate standing.

**498A50 PROFESSIONAL PRACTICE IN CONTENT
AREAS**
6-12 sem. hrs.

Refer to the Index for General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to the Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS**
1-5 sem. hrs.

Refer to the Index for General Courses.

501 INTRODUCTION TO DOCTORAL SCHOLARSHIP
3 sem. hrs.

Introduction to academic scholarship and doctoral studies, exploration of faculty research, and orientation to expectations of doctoral studies. Prerequisite: Admission to Teaching and Learning doctoral program or consent of the instructor.

562 FOUNDATIONS OF TEACHER EDUCATION
3 sem. hrs.

This course focuses on critical examinations of professional development, current foundational research, current practices, reform efforts, and evaluation of teachers. Prerequisite: Admission to Teaching and Learning doctoral program or consent of the instructor.

563 CRITICAL ISSUES IN TEACHER EDUCATION
3 sem. hrs.

Analysis of curricular debates within teacher education, emphasizing the relationship of current mandates to the larger purposes of teacher preparation. Prerequisite: TCH 562 or consent of the instructor.

564 ASSESSMENT IN TEACHER EDUCATION
3 sem. hrs.

Inquiry into recent research in assessment and relationships among new views of knowledge, teacher learning, and assessment of teachers. Prerequisite: TCH 562 or consent of the instructor.

575 INSTRUCTIONAL RESEARCH
3 sem. hrs.

Alternative modes of research and their application in resolving problems of instructional practice. Meta-analysis of major research paradigms.

**576 CONTEMPORARY CURRICULUM
THEORY AND DESIGN**
3 sem. hrs.

Examination of forces influencing curriculum improvement. Focuses on analysis of curriculum and application of principles for resolution of curriculum problems.

**579 CRITICAL PERSPECTIVES ON TECHNOLOGY-
BASED LEARNING**
3 sem. hrs.

Examination of the perspectives, theoretical foundations, and techniques of educational technology, and integration of technology into the curriculum. Formerly *EDUCATIONAL TECHNOLOGY*.

**580 CRITICAL STUDIES IN DIVERSITY
AND EDUCATION**
3 sem. hrs.

Analysis and interpretation of critical theories, research, and approaches to understanding issues of student and community diversity affecting schools. Prerequisite: Admission to Teaching and Learning doctoral program or consent of the instructor.

595 RESEARCH SEMINAR IN EDUCATION
3 sem. hrs.

Study of specialized research methods, tools, and techniques. Emphasis on dissertation research design. May be repeated if content is different. Prerequisites: TCH 575 and consent of the instructor.

598 PROFESSIONAL PRACTICE/INTERNSHIP
1-12 sem. hrs.

Refer to the Index for General Courses. Professional Practice provides for the integration of academic content materials with the role expectations of professional personnel.

599 DOCTORAL RESEARCH
1-15 sem. hrs.

Refer to the Index for General Courses. Research relating to requirements for the Doctor of Education degree. Prerequisite: Consent of the program coordinator.

599A01 DISSERTATION RESEARCH
1-5 sem. hrs.

Refer to the Index for General Courses.

599A90 DISSERTATION RESEARCH FINAL TERM
1 sem. hr.

Refer to the Index for General Courses.

COLLEGE OF FINE ARTS

Dean: Jean Miller.

116 Center for Visual Arts
FineArts.IllinoisState.edu

The College of Fine Arts offers graduate degrees in Art, Music, Theatre (School of Theatre and Dance), and Arts Technology. The College educates artists, teachers, scholars, and technologists in terminal degrees in Art and in Theatre and in preparation for further study at the doctoral level or for advancement in their professions.

The College offers the following degrees at the graduate level:

- Master of Science (M.S.) in Art, Theatre, or Arts Technology
- Master of Arts (M.A.) in Art or Theatre
- Master of Fine Arts (M.F.A.) in Art or Theatre
- Master of Music (M.M.)
- Master of Music Education (M.M.E.)

The degree programs provide a flexible curricula for a variety of student talents and research interests.

ARTS TECHNOLOGY (ATK)

216B Center for the Visual Arts

Phone: (309) 438-8322

Website: FineArts.IllinoisState.edu/arts_tech

Program Director: Aaron Paolucci.

Program for Master of Science in Arts Technology

The Master of Science in Arts Technology is a 39-hour interdisciplinary program in the College of Fine Arts that emphasizes theory, design, and practice in digital arts. The program provides critical training and experiences in arts technology to better prepare professional artists for the rapidly emerging need for training in digital art, computer graphics and theatre design, digital music and sound, multimedia, web design, and arts management.

Admission Requirements

Students who have maintained an average grade of 3.0 or more for the last 60 hours of undergraduate education and have a bachelor's degree are eligible for admission. Candidates will be expected to demonstrate artistic proficiency in at least one of the areas of art, music, or theatre with a major or minor in a fine arts area, professional equivalence in a fine arts area, or a willingness to complete undergraduate deficiencies in fine arts. Students are required to submit a portfolio in their fine arts specialization including examples of arts technology work, a letter of application, a resume, and a writing sample. Students are required to submit three recommendations if they are also applying for a graduate assistantship. The recommendations and portfolio are submitted directly to the Program Director.

Academic Requirements

The 39 hours required for the degree are programmed as follows:

- Students must complete 9 hours from the arts technology core which includes ATK 450, and 6 hours of ATK 480. Prerequisites to the core are ATK 301 and 302. ATK 301 may be taken concurrently with ATK 450.
- Students must complete 9 hours from one of the emphases below. ATK 301, 380, 460, and 480 may be repeated with different topics or experiences.

NOTE: All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

Art and Theatre emphasis. In consultation with the program advisor, students will select 9 hours of study related to the visual arts from ATK 300, 301, 302, 380, 460, 480; or other courses from Art, Music, or Theatre and Dance that make extensive application of computer technology as approved by the program advisor.

Music emphasis. In consultation with the program advisor, students will select study related to computer music applications to include 9 hours from ATK 300, 301, 302, 345, 380, 460, 480; MUS 353; or other courses from Art, Music, or

Theatre and Dance that make extensive application of computer technology as approved by the program advisor.

- Students must select 9 hours of electives from related coursework outside of the fine arts or additional fine arts coursework in consultation with the program advisor.
- Students must complete 3 hours of an internship or professional practice experience in arts technology (ATK 498) and 5 hours of a directed project (ATK 490).
- Students must complete 4 hours of ATK 401 portfolio development. Each credit hour must be scheduled so that they are taken while enrolled in the 8th, 18th, 27th, and 39th hour of degree study.

Arts Technology Courses

300 COMPUTER ARTS APPLICATIONS

1 sem. hr.

Variable topic course that focuses on the application of computer software to solving studio, performance, and production problems in the arts. May be repeated if content is different. Formerly ART/MUS/THD 301. Prerequisite: Consent of the instructor.

301 SOFTWARE DESIGN IN THE ARTS I

3 sem. hr.

Designing and programming microcomputer-based software which solve particular applications problems in the fine arts. Formerly ART/MUS/THD 387.

302 COMPUTER PROGRAMMING FOR CREATIVES

3 sem. hrs.

Text-based, object-oriented, computer programming concepts for areas including interactive design, user interfaces, data visualization, and gaming. Formerly ART/MUS/THE 350 *SOFTWARE DESIGN IN THE ARTS II*. Prerequisite: Arts Technology major or consent of the instructor.

320 PROGRAMMING DYNAMIC MEDIA

3 sem. hrs.

Programming concepts using a graphical, dataflow environment for media-based performance, interactive installation, and generative art/sound. Prerequisite: Arts Technology major or consent of the instructor.

340 SOUND DESIGN 2: ADVANCED DIGITAL AUDIO

3 sem. hrs.

Advanced digital audio and aesthetic principles of sound. Formerly ART/MUS/THE 343. Prerequisite: Arts Technology major, ATK 240, or consent of the instructor.

345 SEQUENCING AND DIGITAL AUDIO

3 sem. hrs.

Study of music synthesis through MIDI sequencers, digital sound editing and recording, and the integration of digital audio and MIDI. Formerly ART/MUS/THD 354. Prerequisite: Consent of the instructor.

380 SELECTED TOPICS IN ARTS TECHNOLOGY

3 sem. hrs.

Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts. Formerly ART/MUS/THD 388. May be repeated if content is different.

401 PORTFOLIO DEVELOPMENT IN ARTS TECHNOLOGY

1 sem. hr.

Portfolio development with emphasis on individual artistic practice and aesthetic. May be repeated for up to 4 hours. Formerly ART/MUS/THD 441. Prerequisite: MS students in Arts Technology, or consent of the program director.

450 DESIGN AND AESTHETIC ISSUES IN ARTS TECHNOLOGY

3 sem. hrs.

Provides foundation for further graduate study in arts technology by introducing students to design and aesthetic issues related to multimedia and the digital arts. May be repeated if content is different. Prerequisite: Arts Technology major or consent of the instructor.

460 COMPUTER PERFORMANCE ARTS STUDIO

3 sem. hrs.

Creative and interdisciplinary experiences in solo and ensemble performance integrating digital technology with music, dance, performance art, or theatre production. May be repeated if content is different. Prerequisite: Consent of the instructor.

480 ADVANCED TOPICS IN ARTS TECHNOLOGY

3 sem. hrs.

Intensive study of an announced topic exploring mainstream and experimental computer issues related to the creation of art, graphics, animation, or video. May be repeated if content is different. Prerequisite: Arts Technology majors or consent of the instructor.

490 DIRECTED PROJECTS IN ARTS TECHNOLOGY

1-6 sem. hrs.

Arts technology practicum for graduate students. Designed to integrate fine arts and technology skills in an intensive project environment. May be repeated for credit. A maximum of 6 hours may be counted toward a master's degree. Prerequisite: Consent of the arts technology program advisor.

498 PROFESSIONAL PRACTICE IN ARTS TECHNOLOGY

1-6 sem. hrs.

Refer to the Index for General Courses.

ART

119 Center for the Visual Arts, (309) 438-5621
FineArts.IllinoisState.edu/art

School Director: Michael J. Wille. Office: 119 Center for the Visual Arts.

Graduate Faculty: Barroqueiro, Beckner, Briggs, Bushell, Cline, Crowley, Fischer, Franklin, Friedman, Johnson, Justis, Lee, Lieberman, Lotz, Mai, Miller, O'Donnell, Oresky, Price, Rankin, Reid, Schulman, Shekara, Smelser, Stafford, Stewart, Wille.

Degrees Offered

The School of Art offers work leading to the following degrees: M.A., M.S., and M.F.A. General University requirements for degrees are described elsewhere in this catalog.

Master's Degree Programs (M.A./M.S.)

The Master of Arts or Master of Science degree in Art requires a minimum of 32 hours including a master's thesis and a comprehensive examination. A candidate for the degree must spend at least one full term in residence in order to qualify for the degree. A full term may be interpreted as one semester with a class load of 9-15 hours, or a summer session with a class load of 6-9 hours.

To enter one of the available master's options, the applicant must meet the minimum requirements of the Graduate School and pass a portfolio or application review in the School. (Portfolios and applications are to be sent to the Graduate Coordinator, c/o the School of Art.)

Students applying to the Art Education sequence are required to submit a portfolio containing (a) a statement of intent in applying, (b) official copies of undergraduate and graduate transcripts, (c) at least three examples of writing, (d) documents of independent accomplishments or professional activities, (e) examples of artwork and/or examples of work by the applicant's students, and (f) at least two letters of recommendation (to be sent directly to the Graduate Coordinator) by people familiar with the applicant's academic or professional performance.

Students applying to the Visual Culture sequence are required to submit an application containing (a) a statement of intent in applying, (b) official copies of undergraduate and graduate transcripts, (c) at least three papers illustrating research and writing skills, and (d) at least three letters of recommendation (to be sent directly to the Graduate Coordinator) by people familiar with the applicant's character and academic qualifications and potential.

Program Requirements

All students pursuing an M.A. or M.S. in Art must complete a core requirement of three courses: ART 475 Graduate Seminar in Visual Culture (3 hours), ART 478 Introduction to Critical Theory (3 hours), and ART 497 Introduction to Research Methodology (3 hours). Graduate students also select one of the following sequences, which have additional specified requirements.

Sequence in Art Education

The Master of Science degree in Art with a sequence in Art Education requires a minimum of 32 hours including either a master's thesis or a comprehensive examination for the fulfillment of the degree. The art education program emphasizes both theory and practice in art education. Degree candidates will be expected to demonstrate knowledge in curriculum and current practices in the field. A candidate for the degree must spend at least one full term in residence in order to qualify for the degree. A full term may be interpreted as one semester with a class load of 9-15 hours, or a summer session with a class load of 6-9 hours. To enter the program, the applicant must meet the minimum requirements of the Graduate School and pass a portfolio and application review in the School of Art. Portfolios and applications are to be sent to the Graduate Coordinator, in the School of Art.

Students applying to a sequence in Art Education are required to submit a portfolio containing (a) a statement of intent in applying, (b) official copies of undergraduate and graduate transcripts, (c) at least three examples of writing, (d) documents of independent accomplishments or professional activities, (e) examples of artwork and/or examples of work by the applicant's students, and (f) at least two letters of recommendation (to be sent directly to the Graduate Coordinator) by people familiar with the applicant's academic or professional performance.

All students pursuing a M.S. in Art must complete 32 semester hours of graduate credit and either a master's thesis or a comprehensive examination. All students must complete 18 hours of core courses: ART 401 Foundations of Art Education, 402 Issues in Art Education, 403 Curriculum in Art Education, 475 Graduate Seminar in Visual Culture, 478 Introduction to Critical Theory, 497 Introduction to Research Methodology

For students electing to complete the thesis, the remaining 14 hours should include: at least 6 credit hours in elective courses that reflect the student's interests and/or Special Projects in Art Education, and up to 6 credit hours in ART 499 Thesis.

For students electing to complete the comprehensive examination, the remaining 14 credit hours should be earned in elective courses that reflect the student's interests and/or Special Projects in Art Education.

NOTE: All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

The program is structured to accommodate the following professional tracks:

Master's Degree in Art with a Sequence in Art Education

Licensed art educators may pursue their master's degree on a full-time or part-time basis.

Master's Degree in Art with a Sequence in Art Education plus Initial Licensure

Students with a bachelor's degree in studio art can pursue their master's degree while working toward initial licensure in Illinois State University's Initial Licensure program. Please refer to the art teacher licensure requirements in the *Undergraduate Catalog*.

This track takes 5-6 semesters, which includes a semester of student teaching and a semester dedicated to thesis writing. Coursework for initial licensure and master's degree are taken concurrently.

Sequence in Visual Culture

The sequence in Visual Culture requires a minimum of 32 semester hours of graduate credit, a master's thesis, and a comprehensive examination. Only the M.A. is offered in the Visual Culture Sequence. Students who have not satisfied the language requirement for an M.A. before entering the program must do so by the commencement of the third semester (or, for part-time students, with the acquisition of the equivalent number of semester hours) while pursuing the program. It is expected that students in the Visual Culture Sequence will choose courses in consultation with the graduate coordinator in the Visual Culture Sequence. Additional coursework may be required of students with limited experience in art history. The following requirements are in addition to the core courses for the M.A. in Art. Of these, **all master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

- At least 9 hours coursework in art history and/or visual culture
- At least 9 hours in related field(s) outside the School of Art (history, literature, anthropology, etc.)
- 4-6 hours of Thesis work (ART 499)

Master of Fine Arts (M.F.A.)

The Master of Fine Arts in Art is a 60-hour program that emphasizes both theory and practice in the production, history, and teaching of the visual arts. Candidates will be expected to demonstrate artistic proficiency in at least one of the following disciplines: painting, sculpture and expanded media, printmaking, video, ceramics, metalwork and jewelry design, photography, drawing, or glass. Candidates will also be expected to demonstrate proficiency in written and oral communication.

Students may also engage in an internship or apprenticeship. This may take the form of a guided teaching experience or work in a professional area related to the student's area of interest. The exact nature of this experience will be worked out through counseling between the major advisor and the student and will be tailored to best suit the needs of each student. This project will be subject to approval of the student's graduate committee and the School Director.

It should be understood that the accumulation of 60 semester credit hours is not the primary criterion in evaluating a student's final achievement. The primary criterion in the evaluation of the MFA degree will be a Thesis Exhibition which demonstrates intellectual maturity and artistic proficiency in the student's major studio area. In addition to the Thesis Exhibition, the MFA degree requires the completion of a Thesis Supportive Statement, which is a critical essay that focuses on the student's studio work, its development, and its cultural and historical references. The M.F.A. Candidate will be required to pass an oral defense.

A typical program for the Master of Fine Arts degree will include at least 60 semester hours of graduate work beyond the bachelor's

degree. These 60 hours are programmed as follows:

- A. At least 36 semester hours must be taken in the School of Art, of these at least 24 must be at the 400 level.
- B. At least 24 semester hours must be in the student's major studio area, of these at least 18 must be at the 400 level.
- C. At least 12 semester hours must be taken in art history, or nine hours may be taken in art history with three hours in related areas such as aesthetics, philosophy, or anthropology, or ART 494 MFA Seminar.
- D. At least three hours of ART 494 MFA Seminar. Taking the MFA Seminar to satisfy requirements of "C" above does not substitute for this requirement.
- E. Six hours of ART 496 M.F.A. Exhibition and Supportive Statement. This will involve a comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. A candidacy review must take place before a student can enroll in ART 496 or schedule the MFA exhibition and must include approval of proposal for the supportive statement.

The School reserves the right to keep images of original work produced by graduate students for educational and archival purposes.

Concentration in Art Technology

Students who wish to augment their regular programs with computer-related knowledge and skills may pursue a special program leading to a concentration in art technology. The concentration is available to students in any of the School of Art's graduate programs: M.A., M.S. and M.F.A. To complete the concentration, the student should complete 9 hours from the following offerings (ATK 301, 380, 498), in addition to an exit project. The exit project may be performed in conjunction with a regular exit requirement in one of the School of Art's graduate programs.

Art Courses

303 SEMINAR IN ART BEYOND THE WESTERN TRADITION 3 sem. hrs.

Advanced course focusing on a topic beyond the western perspective, including Africa, Asia, Oceania, Latin America, or Native North America. May be repeated for credit if content is different for a maximum of 6 hours. Prerequisite: Any 200-level Art History course or consent of the instructor.

304 SEMINAR IN ANCIENT AND MEDIEVAL ART AND ARCHITECTURE 3 sem. hrs.

Advanced course focusing on a specific historical or thematic topic from the prehistoric to the late medieval periods. May be repeated for credit if content is different for a maximum of 6 hours. Prerequisite: Any 200-level Art History course or consent of the instructor.

305 SEMINAR IN RENAISSANCE AND BAROQUE ART AND ARCHITECTURE 3 sem. hrs.

Advanced course focusing on a specific historical or thematic topic in European art from the early fourteenth through seventeenth century. May be repeated if content is different for a maximum of 6 hours. Prerequisite: Any 200-level Art History course or consent of the instructor.

306 SEMINAR IN MODERN AND CONTEMPORARY ART AND ARCHITECTURE
3 sem. hrs.

Advanced course focusing on a historical or thematic topic from the eighteenth century to the present. May be repeated for credit if content is different for a maximum of 6 hours. Prerequisite: Any 200-level Art History course or consent of instructor.

307 ART FOR DIVERSE POPULATIONS
3 sem. hrs.

Various approaches to the development and conduct of appropriate art experiences in school and community programs for diverse populations. Includes Clinical Experience: 10 hours. Prerequisites: ART 103, 104, 109; Art Teacher Education Sequence, consent of the School.

309 PROFESSIONAL ART EDUCATION SEQUENCE
3 sem. hrs.

Sequential semesters focus on art learning theory, teaching methodology, and pre-student teaching clinical experiences in Art Education K-12. Includes Clinical Experience: 20 hours. Must be repeated by Art Education major for total of 6 hours (2 consecutive semester sequences starting in the fall). Prerequisites: ART 103, 104, 109; grade of C or better in TCH 216 or concurrent registration; grade of C or better in ART 201 and 211 or consent of the School; complete all requirements for Admission to Professional Studies including passing all sections of the State of Illinois Test of Academic Proficiency (TAP); Art Education major only or consent of the School.

311 SEMINAR IN VISUAL CULTURE, HISTORY, AND THEORY
3 sem. hrs.

Advanced course covering a variety of theoretical perspectives on a specific issue in the history of art. May be repeated if content is different for a maximum of 6 hours. Prerequisite: Any 200-level Art History course or consent of the instructor. ART 279 or 290 recommended.

313 LIFE DRAWING II
3 sem. hrs.

Advanced study of the human figure as a subject. Emphasis on figuration and media exploration. Reading and participatory critiques. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 213, and 214.

315 TOPICS IN GRAPHIC DESIGN
3 sem. hrs.

Studio/seminar course covering special topics related to graphic design. May be repeated if content is different. Prerequisites: ART 103, 104, 109, 227.

324 METALWORK AND JEWELRY DESIGN III
3 sem. hrs.

Advanced metalworking with an emphasis on volume and color, including raising, *repoussé*, forging and various enameling technique. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 224, and 225.

325 ADVANCED METALWORK AND JEWELRY DESIGN
3 sem. hrs.

Elaboration upon metalworking skills previously acquired, allowing development of a strong personal direction. Materials charge optional. May be repeated. Prerequisite: ART 103, 104, 109, 224, 225, and 324.

326 GRAPHIC DESIGN III
3 sem. hrs.

Transitional course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation to study independently. Materials charge optional. Prerequisites: ART 103, 104, 109, 226, 227 and acceptance into Graphic Design Sequence.

328 CERAMICS III
3 sem. hrs.

Experiences in wheel and handbuilding processes with an emphasis on individual exploration of ideas through ceramic media. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 228, and 229.

331 ADVANCED DRAWING
3 sem. hrs.

Transitional course using the skills, techniques, and concepts learned earlier, applying them to problems of contemporary expression. Preparation to study independently. May be repeated. Prerequisites: ART 103, 104, 109, and 214.

332 SCULPTURE III
3 sem. hrs.

Individualized problems exploring techniques, concepts encountered earlier, now applied to problems of contemporary expression. Preparation to study independently. May be repeated. Materials charge optional. Prerequisites: ART 103, 104, 109, 232, and 233.

333 TOPICS IN ADVANCED PHOTOGRAPHY
3 sem. hrs.

Advanced photography course focusing on different topics each semester. Seminar format with topics relating to assigned studio work. May be repeated if content is different. Materials charge optional. Prerequisites: ART 103, 104, 109, 155, 156, 235, and ART 236 or consent of the instructor.

335 PHOTOGRAPHY III
3 sem. hrs.

Advanced problems in photography as an art form. Emphasis upon individual exploration of the medium. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 235, and 236.

336 GRAPHIC DESIGN IV
3 sem. hrs.

Advanced studio work exploring design techniques applied to advertising, packaging and display media. Materials charge optional. Prerequisites: ART 103, 104, 109, 326.

344 WOOD II
3 sem. hrs.

Studio exploration of wood as a medium of personal expression. Materials charge optional. Prerequisites: ART 103, 104, 109, 234.

345 INTAGLIO II
3 sem. hrs.

Further study of intaglio processes with greater emphasis on intaglio as an expressive medium. Introduction to color possibilities. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, and 245.

346 LITHOGRAPHY II**3 sem. hrs.**

Further study of lithographic processes with greater emphasis on lithography as an expressive medium. Introduction to color possibilities. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, and 246.

347 ADVANCED PRINTMAKING**3 sem. hrs.**

Advanced study of printmaking. Emphasis on contemporary printmaking issues related to content, directions in printmaking, exploration of all print media. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 245 and 345 or 246 and 346.

349 VISITING ARTIST SEMINAR**2 sem. hrs.**

A seminar-type class taught by visiting artists and members of the School of Art faculty, focusing upon contemporary issues of fine arts and the creative process. May be repeated. Prerequisite: Art major or consent of the instructor.

351 SPECIAL PROJECTS IN ART**2-6 sem. hrs.**

Special projects in art or art education chosen by the student for advanced investigation with the written approval of the instructor. May not duplicate existing courses. May be repeated if topic different (see following topics). May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A01 ART**2-6 sem. hrs.**

Special projects in Art, chosen by the student for advanced investigation with the written approval of the instructor. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A03 GLASS**2-6 sem. hrs.**

Special projects in Glass. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A13 SCULPTURE**2-6 sem. hrs.**

Special projects in Sculpture. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A16 PHOTOGRAPHY**2-6 sem. hrs.**

Special projects in Photography. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A17 GRAPHIC DESIGN**2-6 sem. hrs.**

Special projects in Graphic Design. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A21 PRINTMAKING**2-6 sem. hrs.**

Special projects in Printmaking. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A24 PAINTING**2-6 sem. hrs.**

Special projects in Painting. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A25 CERAMICS**2-6 sem. hrs.**

Special projects in Ceramics. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A26 JEWELRY**2-6 sem. hrs.**

Special projects in Jewelry. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A27 ART EDUCATION**2-6 sem. hrs.**

Special projects in Art Education. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A29 DRAWING**2-6 sem. hrs.**

Special projects in Drawing. May not duplicate existing courses. May Include Clinical Experiences. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A30 ART HISTORY**2-6 sem. hrs.**

Special projects in Art History. May not duplicate existing courses. May Include Clinical Experiences. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A39 INDIVIDUAL STUDY - ART GALLERY**3 sem. hrs.**

Special projects in Individual Study - Art Gallery. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A45 ADVANCED THREE DIMENSIONAL DESIGN**2-6 sem. hrs.**

Special projects in Advanced three dimensional design. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A50 AQUEOUS MEDIA II**3 sem. hrs.**

This course covers advanced materials and techniques of aqueous media painting, and refreshing basic skills with traditional watercolor painting that provides a critical foundation for working with other aqueous media. Formerly *SPECIAL PROJECTS: WATERCOLOR*. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A78 LITHOGRAPHY PRINTSHOP**2-6 sem. hrs.**

This course covers advanced materials and techniques of lithography. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A84 VIDEO**2-6 sem. hrs.**

This course covers advanced materials and techniques of video. May not duplicate existing courses. May Include Clinical Experience. Materials charge optional. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A87 STONE CARVING**3 sem. hrs.**

This course introduces basic practices of stone carving, traditional and contemporary. Formal technical skills and new methods will be explored. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

351A88 SPECIAL PROJECTS: COMPOSITION THEORY**3 sem. hrs.**

Studio-based investigation of the perceptual and conventional principles of composition in visual art and the connections between composition and content. Prerequisites: ART 103, 104, 109; Art major and consent of the instructor.

352 RENDERING FOR INTERIOR DESIGNERS**3 sem. hrs.**

Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations. Also offered as FCS 352. Prerequisites: ART 242, 246, or consent of the instructor.

355 GLASS II**3 sem. hrs.**

Advanced class further exploring glass as an artist's material and addressing the application of color and "warm" glass processes. Materials charge optional. May be repeated. Prerequisites: ART 103, 104, 109, 255 and consent of the instructor and School.

357 EXPANDED MEDIA II**3 sem. hrs.**

Students complete advanced projects in studio art using digital fabrication tools to explore interactivity in art objects and immersive environments. May be repeated; maximum of 9 hours. Materials charge optional. Formerly *INTEGRATED MEDIA II*. Prerequisites: ART 103, 104, 109, 284.

361 PAINTING IV**3 sem. hrs.**

Transitional course. Students encouraged to explore personal directions in close consultation with instructor. Preparation for study on an independent basis. May be repeated. Prerequisites: ART 103, 104, 109, 261, 262, and 263 or 360.

362 AQUEOUS MEDIA**3 sem. hrs.**

Watercolor as an expressive medium. Techniques, study of masters of watercolor, emphasis on creating pictorial space by illusion, color and the use of transparency. Materials charge optional. Prerequisites: ART 103, 104, 109, 261.

363 COLOR THEORY**3 sem. hrs.**

Theoretical and historical premises for making work organized by color, emphasizing interaction of surface color and light. Prerequisites: ART 103, 104, 109.

364 ADVANCED GROUP STUDIES IN GLASS**3 sem. hrs.**

A studio/seminar format class, dealing with image/object realization, and the development of greater verbal, written, and visual articulation skills. May be repeated. Materials charge optional. Prerequisites: ART 103, 104, 109, 255 and 355.

401 FOUNDATIONS OF ART EDUCATION**3 sem. hrs.**

A study of the historical and philosophical foundations of art education.

402 ISSUES IN ART EDUCATION**3 sem. hrs.**

Problems in art education from the point of view of research and critical inquiry. May be repeated once.

403 CURRICULUM IN ART EDUCATION**3 sem. hrs.**

Examination of various art curriculum schemes K-14: philosophies, content, methods, research, and evaluation. Prerequisite: Teaching experience or consent of the instructor.

444 PROBLEMS IN STUDIO WORK**2-6 sem. hrs.**

Individual creative work in painting, sculpture, printmaking, ceramics, weaving, jewelry, design, photography, drawing, or glassblowing. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A02 STUDIO WORK: PAINTING**2-6 sem. hrs.**

Individual creative work in painting. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A03 STUDIO WORK: PRINTMAKING**2-6 sem. hrs.**

Individual creative work in printmaking. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A04 STUDIO WORK: SCULPTURE**2-6 sem. hrs.**

Individual creative work in sculpture. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A06 STUDIO WORK: CERAMICS**2-6 sem. hrs.**

Individual creative work in ceramics. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A07 STUDIO WORK: GLASS**2-6 sem. hrs.**

Individual creative work in glass. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A08 STUDIO WORK: PHOTOGRAPHY**2-6 sem. hrs.**

Individual creative work in photography. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A09 STUDIO WORK: METALS**2-6 sem. hrs.**

Individual creative work in metals. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

444A13 PROBLEMS IN STUDIO WORK: VIDEO**2-6 sem. hrs.**

Individual creative work in video. May be repeated. Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional. Prerequisite: Consent of the instructor.

451 SPECIAL PROJECTS IN ART**2-6 sem. hrs.**

An individual project in a particular discipline—art education, an area of studio art, or art history—chosen and planned by the student with approval of qualified instructor. May be repeated if content is different (See topics that follow). Variable credit. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A05 ADVANCED GRADUATE STUDIES**3 sem. hrs.**

An individual project in art chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A10 SPECIAL PROJECTS IN METAL DESIGN**2-6 sem. hrs.**

An individual project in metal design chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A12 SPECIAL PROJECTS IN SCULPTURE**2-6 sem. hrs.**

An individual project in sculpture chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A15 SPECIAL PROJECTS IN PHOTOGRAPHY**2-6 sem. hrs.**

An individual project in photography chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A20 SPECIAL PROJECTS IN PRINTMAKING**2-6 sem. hrs.**

An individual project in printmaking chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A23 SPECIAL PROJECTS IN PAINTING**2-6 sem. hrs.**

An individual project in painting chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A24 SPECIAL PROJECTS IN CERAMICS**2-6 sem. hrs.**

An individual project in ceramics chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A25 SPECIAL PROJECTS IN JEWELRY**2-6 sem. hrs.**

An individual project in jewelry chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A26 SPECIAL PROJECTS IN ART EDUCATION**2-6 sem. hrs.**

An individual project in art education chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A27 SPECIAL PROJECTS IN GLASS**2-6 sem. hrs.**

An individual project in glass chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A28 SPECIAL PROJECTS IN DRAWING**2-6 sem. hrs.**

An individual project in drawing chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A29 SPECIAL PROJECTS IN ART HISTORY**2-6 sem. hrs.**

An individual project in art history chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A52 SPECIAL PROJECTS - MFA INTERNSHIP**3 sem. hrs.**

An individual project in art chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A87 SPECIAL PROJECTS IN ART: VIDEO**2-6 sem. hrs.**

An individual project in video chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

451A88 GRADUATE INTERDISCIPLINARY CRITIQUE CLASS**2-6 sem. hrs.**

An individual project in interdisciplinary critique chosen and planned by the student with approval of qualified instructor. Amount of performance per credit to be determined by contract with instructor. Materials charge optional.

475 GRADUATE SEMINAR IN VISUAL CULTURE**3 sem. hrs.**

Intensive study of visual culture. Emphasis on original research and varied methodological approaches. Core course for M.A./M.S. in Art. Prerequisites: Graduate status and consent of the instructor.

478 INTRODUCTION TO CRITICAL THEORY**3 sem. hrs.**

Introduction to critical theory in art. Emphasis on reading primary texts, analysis of critical writing, and independent research projects. Core course for M.A./M.S. in Art. Prerequisites: Graduate status and consent of the instructor.

485 TOPICS IN VISUAL CULTURE**3 sem. hrs.**

In-depth study of particular themes, periods, or issues in visual culture, determined by instructor. May be repeated if content is different for a maximum of 6 hours. Prerequisites: Graduate standing and consent of the instructor.

491 INTERNSHIP IN COLLEGE TEACHING IN ART**3 sem. hrs.**

Credit for the course is given in the School of Teaching and Learning (see TCH 491).

494 MFA SEMINAR**3 sem. hrs.**

A forum for exploring, jointly, art-related ideas and issues relevant to the studio arts. Emphasis on analytical and writing skills. May be repeated once for credit. Prerequisite: M.F.A. students in the visual arts, or consent of school director.

495 GRADUATE SEMINAR IN ART HISTORY**3 sem. hrs.**

Intensive study of an announced topic in art history with emphasis on methodology, original research and various art historical approaches. May be repeated if content is different. Prerequisites: Successful completion of at least one 300-level art history course and consent of the instructor.

496 M.F.A. EXHIBITION AND SUPPORTIVE STATEMENT**1-6 sem. hrs.**

Comprehensive exhibition of studio work, an exhibition-related written project, and a comprehensive oral examination. M.F.A. students only.

497 INTRODUCTION TO RESEARCH METHODOLOGY**3 sem. hrs.**

Introduction and survey of bibliography, methods of scholarly research, and critical evaluation of research and writings in the field. Core course for M.A. in Art, Visual Art Sequence.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

599A01 DOCTORAL DISSERTATION**1-5 sem. hrs.**

Refer to the Index for General Courses.

MUSIC (MUS)

230 Centennial East, (309) 438-7631
FineArts.IllinoisState.edu/music

School Director: Stephen Parsons. Office: 230 Centennial East.

Graduate Program Director: Angelo Favis.

Graduate Faculty: Aduonum, Alcorn, Babbitt, Block, Carlson, Collier, Crimmins, Dicker, Duce, Favis, Fredstrom, Gentry, Gresham, Horst, Koch, Koehler, Labonville, Lewis, Magnuson, Major, Manfredo, Marko, Marshack, McCord, Nolen, Parsons, Ransom, Risinger, Ropp, Rummel, Schimmel, Seggelke, Smith, Snyder, Tonnu, Valentin, Vickers, Vought.

Degrees Offered

Two graduate degrees are offered by the School of Music: the Master of Music Education and the Master of Music. The Master of Music degree includes five sequences: Collaborative Piano, Composition, Conducting, Music Therapy, and Performance.

General Admission Requirements

For all degrees, admission to master's degree programs requires a bachelor's degree in music or the equivalent and a minimum undergraduate GPA of 2.8 for the last 60 hours of undergraduate enrollment. Candidates must submit three current letters of recommendation directly to the School of Music. In addition, all candidates must present a live or recorded performance audition. Auditions recorded on CD or DVD are acceptable for admission. Conducting Sequence candidates are strongly encouraged to audition in person and to spend a day on campus visiting ensembles, classes, and campus offices. Telephone/personal interviews with faculty in the applicant's degree program are required. The GRE is not required.

Additional Admission Requirements by Degree and Sequence

Master of Music Education (M.M.Ed.)

This degree program requires an undergraduate degree in music education or equivalent, a copy of teacher's license *or* written evidence of teaching ability and a projected date for completion of licensure, a recorded or live entrance audition (if the student wishes to take applied lessons), and an on-campus or telephone interview with music education faculty.

Entrance into the M.M.Ed. degree requires that the student has completed or will complete equivalency requirements for teacher licensure. Students with an undergraduate degree in music may complete the M.M.Ed. while simultaneously completing the requirements for licensure.

Master of Music (M.M.)

Music Therapy Sequence

An undergraduate degree in music is required, as well as a 250-word comprehensive biographical statement and recorded or live entrance audition.

Entrance into the Music Therapy sequence requires that the student has completed or will complete equivalency requirements for music therapy certification. Equivalency includes a degree in music and the following: MUS 194, 294, 298A01 (4 hours), 340, 341, 360, 398. Depending upon the student's undergraduate studies, some may need to take one or more of the following: MUS 117, 118, 122A30, 126, 298A01, 398; and PSY 110, 213, 346, 350.

Composition Sequence

Required for admission to the sequence are two examples of recent compositions in PDF and MP3 formats, a sample of analytical writing, a recorded or live entrance audition, and an on-campus or telephone interview with music composition faculty.

Curriculum Requirements

Graduate Placement Examinations: During the first week of enrollment, all new graduate music students must take placement examinations in music theory and music history/literature. Students who do not pass or do not take the Graduate Placement Exam in Music History during the first semester of enrollment must enroll in MUS 253 and/or 254. Students who do not pass or do not take the Graduate Placement Exam in Music Theory during the first semester of enrollment must enroll in courses to be determined by the Music Theory faculty.

Ensemble Requirement: All Music graduate students who are full-time and in-residence Music majors are required to enroll and perform in a faculty-conducted ensemble for a minimum of two semesters. The choice of ensemble must be approved by the ensemble director and the applied studio faculty. Additional ensembles may be taken with the approval of the ensemble director, the applied faculty, and the Music Graduate Coordinator. The ensemble requirement may be waived for summers-only students or part-time students with the approval of the advisor and the Graduate Coordinator. All graduate assistants must be enrolled in a major ensemble related to their primary applied area each semester that they hold an assistantship.

Chamber Music: All students pursuing the M.M. Performance Sequence are encouraged to enroll in a Chamber Music Ensemble (MUS 439 or 483) for a minimum of one semester.

Master of Music Education is a 32- or 34-hour program, depending on choice of exit requirement. Required are the following: MUS 452, 459, 470, 471, 472, 473; two semesters of ensemble selected from MUS 365, 439A70, 439A90, 481A05, 481A06, 481A07, 482, 484, 486, and 488; 12 hours of electives in a cognate field, which may be approved by the M.M.Ed. advisor and the Music Graduate Coordinator. Electives may include, but are not limited to, applied music, music education, conducting, jazz, special education, music technology, theory/composition, music history/literature, and music therapy.

All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.

Exit requirements for the M.M.Ed. include a written comprehensive examination and one of the following: a 4-hour thesis (MUS 499), a 2-hour professional practice music education

project (MUS 498A01), or 4 additional hours to complete a non-thesis/project degree.

This degree has a Part-Time Plan of Study available. The ensemble requirement may be waived for part-time students with the approval of the advisor and the Music Graduate Coordinator.

Master of Music (M.M.)

The Master of Music is a 32-36 hour program, depending upon the sequence chosen.

Collaborative Piano Sequence

This is a 35-hour sequence. Required are 12 hours of applied music courses (MUS 440); 2 hours of chamber music (MUS 439A30); MUS 322, 407, 452, 457; 7 hours of electives in a cognate music field, which may be selected from but are not limited to, the following: non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble selected from MUS 365, 439A70, 439A90, 481A05, 481A06, 482, 484, 486, 487, and 488. Ensembles may be repeated.

Exit requirements for the Collaborative Piano Sequence include a written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

Conducting Sequence

This is a 35-hour sequence. Required are 12 hours applied conducting (MUS 430); 2 hours of conducting practicum (MUS 495); MUS 407, 452, 457; and 9 hours of electives in a cognate music field, which may be selected from, but are not limited to, the following: non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble selected from MUS 365, 439A70, 439A85, 439A90, 481A05, 481A06, 482 and 484 (MUS 488 may satisfy the requirement with the permission of the Choral Department). Applied conducting, ensembles, and non-degree recitals may be repeated.

Exit requirements for the Conducting Sequence include a written comprehensive examination and one graduate recital (MUS 496). The comprehensive exam must be taken during the semester in which the student will graduate.

Performance Sequence

This is a 35-hour sequence. Required are 12 hours of applied music courses on the major instrument (MUS 430-438); 2 hours of music pedagogy and literature courses (MUS 330); MUS 407, 452, 457; 9 hours of electives in a cognate music field, which may be selected from, but are not limited to, the following: Non-degree recitals, music technology, music history, music theory, music education, music therapy, music business, applied music, jazz studies, ensembles, and non-music courses. Also required are two semesters of ensemble, selected from MUS 365, 439A70, 439A85, 439A90, 481A05, 481A06, 482, 484, and 486 (MUS

488 may satisfy the requirement with the permission of the Choral Department). Ensembles may be repeated.

Piano Performance only: In addition to the courses listed above, piano performance majors are required to take MUS 322 and an additional 2 hours of MUS 330. Electives are reduced to 5 hours. MUS 487 may satisfy the ensemble requirement with the approval of the Keyboard Area Coordinator.

Exit requirements for the Performance Sequence include a written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

Music Therapy Sequence

This is a 35-36 hour sequence. Required are MUS 442, 443, 444, 452, 459, 498A10; music elective (3 hours); two semesters of ensemble selected from MUS 365, 439A70, 439A85, 439A90, 481A05, 481A06, 481A07, 482, 484, 486, and 488; 12 hours of 300-/400-level courses in concentrations such as psychology, education, gerontology, and arts technology, or others designed by student with music therapy faculty approval. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Exit requirements for the Music Therapy Sequence include a written comprehensive examination and either 4 hours of MUS 499 Thesis, or 3 hours of MUS 498A12, Professional Practice: Music Therapy Clinical Project.

Composition Sequence

This is a 34-hour sequence. Required are MUS 303, 304, 402, 452, and 457; three semesters of 405; two courses selected from ATK 301, 345; MUS 355, 356, 391, 392, 394, 395, and 396; two semesters of ensemble selected from MUS 365, 439A70, 439A80, 439A85, 439A90, 481A05, 481A06, 481A07, 482, 484, 486, and 488.

Exit requirements for the Composition Sequence include a written comprehensive examination and 4 hours of an Exit Composition (Master's Thesis MUS 499).

International Students: Please refer to the international student admissions requirements elsewhere in this catalog.

Academic Advisor: All new graduate students must meet with the Music Graduate Coordinator/Graduate Advisor during the first two weeks of their first semester and submit a Plan of Study, which is a requirement for degree completion.

Music Courses

303 COUNTERPOINT 2 sem. hrs.

Introduction to counterpoint in Renaissance (sixteenth century) and Baroque (eighteenth century) styles. Prerequisites: MUS 201 and 207, or consent of the instructor.

304 ORCHESTRATION**2 sem. hrs.**

Introduction to writing for ensembles of strings, winds, percussion, or voices. Prerequisites: MUS 201 and 207 or consent of the instructor.

308 ORFF LEVEL I**3 sem. hrs.**

This course prepares teachers and therapists in the basic Orff approach. Prerequisite: Music Education or Music Therapy seniors or graduate students; elementary education, dance education, with consent of the instructor.

322 FUNCTIONAL SKILLS FOR KEYBOARD**MAJORS****2 sem. hrs.**

Functional skills for pianists, with an emphasis on transposition, open score reading, harmonization and improvisation. Not for credit if had MUS 122A50. Prerequisites: MUS 220, 221, or 222, or graduate standing; MUS 135, 235, or 435.

330 PEDAGOGY AND LITERATURE**1-2 sem. hrs.**

Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium. Brass, woodwind, percussion, voice, strings, piano, organ, guitar, jazz. May be repeated. More than one area may be taken concurrently.

340 INFLUENCE OF MUSIC UPON BEHAVIOR**3 sem. hrs.**

A study of the cultural, physiological, and psychological aspects of music with applications to the music therapy field. Prerequisite: Senior standing or consent of the instructor.

341 MUSIC IN THERAPY**3 sem. hrs.**

A study of the theory, current practices, and research in the field of music therapy. Prerequisite: MUS 340 or consent of the instructor.

355 MUSICAL GENRES**3 sem. hrs.**

Survey and analysis of representative examples of major genres of Western Music. May be repeated if content is different; maximum of 9 hours. (See the following course descriptions.) Prerequisites: MUS 253 and 254, or equivalent.

355A01 MUSIC GENRES: SYMPHONIC MUSIC**3 sem. hrs.**

Survey and analysis of representative examples of major genres of Western Music. Prerequisites: MUS 253 and 254, or equivalent.

355A02 MUSICS GENRES: OPERA**3 sem. hrs.**

Survey and analysis of representative examples of major genres of Western Music. Prerequisites: MUS 253 and 254, or equivalent.

355A03 MUSIC GENRES: CHAMBER MUSIC**3 sem. hrs.**

Survey and analysis of representative examples of major genres of Western Music. Prerequisites: MUS 253 and 254, or equivalent.

355A04 MUSIC GENRES: CHORAL MUSIC**3 sem. hrs.**

Survey and analysis of representative examples of major genres of Western Music. Prerequisites: MUS 253 and 254, or equivalent.

356 MUSIC AND SOCIETIES**3 sem. hrs.**

Studies of the relationship and contributions of music and musicians to the societies in which they live. May be repeated if content is different. Prerequisites: MUS 253 and 254, or equivalent.

360 INTRODUCTION TO PSYCHOMUSICOLOGY**3 sem. hrs.**

An introduction to the psychology of music behavior and cognition. Topics include music perception, memory, and learning and their relation to the sensory, formal, and expressive properties of music.

365 OPERA PRACTICUM**1 sem. hr.**

Experience in opera/musical theatre staging and performance. Work ranging from set construction to leading roles. May be repeated. Prerequisite: By audition/consent of the instructor.

371 SPECIAL MUSIC EDUCATION**3 sem. hrs.**

Teaching strategies for students with disabilities. An emphasis is placed on co-teaching between music and special educators with clinical experience hours. Formerly *MUSIC FOR THE EXCEPTIONAL CHILD*. Prerequisites: Completion of 30 hours or more. Special Education or Music Education students.

391 MUSICAL STYLES OF THE**RENAISSANCE PERIOD****3 sem. hrs.**

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

392 MUSICAL STYLES OF THE**BAROQUE PERIOD****3 sem. hrs.**

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 253 or graduate standing.

394 MUSICAL STYLES OF THE**CLASSICAL PERIOD****3 sem. hrs.**

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

395 MUSICAL STYLES OF THE**ROMANTIC PERIOD****3 sem. hrs.**

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

396 MUSICAL STYLES OF THE**TWENTIETH CENTURY****3 sem. hrs.**

An analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period. Prerequisite: MUS 254 or graduate standing.

402 CURRENT ANALYTICAL TECHNIQUES**3 sem. hrs.**

Study and application of analysis systems including those of Schenker, Hindemith, information theory, set theory, and computer analysis. Prerequisite: Acceptable proficiency on graduate theory placement examination.

405 COMPOSITION**3 sem. hrs.**

Advanced individual study and direction in music composition at the graduate level. May be repeated if content is different. Prerequisite: Composition graduate students or consent of the instructor.

407 ANALYSIS FOR PERFORMERS**3 sem. hrs.**

Survey of contemporary approaches to music analysis with emphasis on performance applications. Prerequisite: Pass the music theory placement examination.

425 GROUP PIANO PEDAGOGY**3 sem. hrs.**

Methods and materials for group piano instruction with emphasis on texts, teaching strategies, and current technologies. Prerequisite: Consent of the instructor.

426 ADVANCED FOREIGN LANGUAGE DICTION FOR SINGERS: ITALIAN AND GERMAN**2 sem. hrs.**

Using the International Phonetic Alphabet (IPA), this course explores distinct subtleties and nuanced elements of native lyric diction pronunciation. Prerequisites: Graduate performance major, graduate choral conducting major, concurrent registration in MUS 437; or consent of the department.

427 ADVANCED FOREIGN LANGUAGE DICTION FOR SINGERS: FRENCH**2 sem. hrs.**

Using the International Phonetic Alphabet (IPA), this course explores distinct subtleties and nuanced elements of native lyric diction pronunciation. Prerequisites: Graduate performance major, graduate choral conducting major, concurrent registration in MUS 437; or consent of the department.

430 APPLIED CONDUCTING**2-4 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

431A10 APPLIED MUSIC: TRUMPET-CORNET**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

431A20 APPLIED MUSIC: FRENCH HORN**2-3 sem. hrs.**

Advanced individual study and direction in music performance Prerequisite: Consent of the appropriate coordinator.

431A30 APPLIED MUSIC: EUPHONIUM**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

431A50 APPLIED MUSIC: TROMBONE**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

431A70 APPLIED MUSIC: TUBA**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

432 APPLIED MUSIC: HARPSICHORD**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

433 APPLIED MUSIC: ORGAN**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

434 APPLIED PERCUSSION**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

435 APPLIED MUSIC: PIANO**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

436A10 APPLIED MUSIC: VIOLIN**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

436A30 APPLIED MUSIC: VIOLA**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

436A50 APPLIED MUSIC: CELLO**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

436A70 APPLIED MUSIC: STRING BASS**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

436A80 APPLIED MUSIC: GUITAR**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

437 APPLIED MUSIC: VOICE**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

438A10 APPLIED MUSIC: FLUTE**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

438A20 APPLIED MUSIC: CLARINET**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

438A30 APPLIED MUSIC: SAXOPHONE**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

438A50 APPLIED MUSIC: OBOE**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

438A60 APPLIED MUSIC: BASSOON**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. May be repeated for credit. Prerequisite: Consent of the appropriate coordinator.

439A20 ENSEMBLES: PERCUSSION**1 sem. hr.**

Study and performance of chamber music in any suitable combination of percussion instruments. May be repeated. Prerequisites: Audition and consent of the instructor.

439A21 AFRICAN DRUMMING AND DANCE ENSEMBLE**1 sem. hr.**

Study and performance - African drumming and dance ensemble. May be repeated. Prerequisites: Audition and consent of the instructor.

439A25 ENSEMBLES: RECORDER**1 sem. hr.**

Study and performance - recorder ensembles. May be repeated. Prerequisites: Audition and consent of the instructor.

439A30 ENSEMBLES: PIANO**1-2 sem. hrs.**

Study and performance - piano ensembles. May be repeated. Prerequisites: Audition and consent of the instructor.

439A40 ENSEMBLES: STRINGS**1 sem. hr.**

Study and performance - string ensembles. May be repeated. Prerequisites: Audition and consent of the instructor.

439A70 ENSEMBLES: JAZZ**1 sem. hr.**

Study and performance - jazz ensembles. May be repeated. Prerequisites: Audition and consent of the instructor.

439A85 ENSEMBLES: GUITAR**1 sem. hr.**

Study and performance - guitar ensembles. May be repeated. Prerequisites: Audition and consent of the instructor.

439A90 MADRIGAL SINGERS**1 sem. hr.**

Study and performance - madrigal singers. May be repeated. Prerequisites: Audition and consent of the instructor.

442 CURRENT TRENDS AND ISSUES IN MUSIC THERAPY**3 sem. hr.**

Analyzing music therapy literature and on-line sources to identify current trends and issues in music therapy.

443 APPLYING COUNSELING APPROACHES IN MUSIC THERAPY**3 sem. hr.**

Applying psychoanalytic, humanistic, behavioral, cognitive, and other counseling approaches in music therapy. Prerequisites: MUS 194 and 294 or consent of the instructor.

444 MUSIC THERAPY TEACHING, ADMINISTRATION, AND SUPERVISION**2 sem. hr.**

Teaching, administration, and clinical supervision issues in music therapy. Prerequisites: MUS 194, 294, and 298A01 or 498A02; or consent of the instructor.

452 MUSIC SINCE 1950**3 sem. hrs.**

Study of musical developments, trends, and styles since 1950 and their interactions.

457 MUSIC RESEARCH: SOURCES AND METHODS**3 sem. hrs.**

Critical examination of musical source materials, survey of research practices in music and practice in writing about music.

459 APPLICATION OF SYSTEMATIC RESEARCH METHODS TO MUSIC**3 sem. hrs.**

Systematic research methods in music applied to individualized descriptive and experimental music research topics and critical evaluation of music research.

470 FOUNDATIONS OF AMERICAN MUSIC EDUCATION**2 sem. hrs.**

Sociological and philosophical evolution in music education. Development of familiarity with the literature and investigative skills in the discipline.

471 MEASURING AND EVALUATING MUSIC BEHAVIOR**2 sem. hrs.**

Study of measurement theory, standardized tests, test construction and interpretation. Measurement of music aptitude, achievement, performance, aesthetic response, preference, appreciation.

**472 SIGNIFICANT DEVELOPMENTS
IN MUSIC EDUCATION CURRICULA**
3 sem. hrs.

Study of catalysts for curricular change throughout all aspects of music education. Reform, content and objectives, evaluation, human rights, technology.

473 PSYCHOLOGY OF MUSIC LEARNING
3 sem. hrs.

Detailed study of topics concerning differential music behavior and perception. Includes the mechanics of hearing, music memory, learning, and responses.

474 THEORY PEDAGOGY FOR EDUCATORS
3 sem. hrs.

Provides educators an opportunity to apply music theory analysis techniques to classroom music. Prerequisite: Master of Music Education.

481-488 PERFORMING ORGANIZATIONS
1 sem. hr.

Participation at the graduate level in the major organizations: Wind Symphony, Concert, University, or Marching Band, Orchestra, Choirs. May be repeated for credit. (See the following courses.)

**481 SYMPHONIC, CONCERT, UNIVERSITY OR
MARCHING BAND**
1 sem. hr.

Participation at the graduate level in the major organizations: Wind Symphony, Concert, University, or Marching Band. May be repeated for credit.

481A01 MARCHING BAND
1 sem. hr.

The Big Red Marching Machine performs at major events at home and around the world. No audition required. May be repeated for credit.

481A03 UNIVERSITY BAND
1 sem. hr.

Open to ISU students, faculty, staff, and community members. Rehearsals of wind band literature, are once a week, culminating in at least one public performance each semester. No audition required for participation; internal placement auditions to take place at the beginning of each semester. May be repeated. May not be counted toward a Music degree.

481A05 WIND SYMPHONY
1 sem. hr.

A select group of the finest instrumentalists at Illinois State University form ISU's premier indoor wind band, performing representative works from the wind band literature. May be repeated for credit. Prerequisite: An audition is required.

481A06 SYMPHONIC WINDS
1 sem. hr.

Outstanding wind and percussion players perform representative works from the wind band literature. Formerly *SYMPHONIC BAND*. May be repeated. Prerequisite: An audition is required.

481A07 SYMPHONIC BAND
1 sem. hr.

Outstanding wind and percussion players perform representative works from the wind band literature. May be repeated. Prerequisite: An audition is required.

**481A08 BIG RED MARCHING MACHINE
DRUMLINE**
1 sem. hr.

Percussion section of the Big Red Marching Machine. Performs at home football games, parades, and other events. May be repeated.

481A09 BASKETBALL DRUMLINE
1 sem. hr.

Participation at the graduate level in the Basketball Drumline.

482 SYMPHONY ORCHESTRA: STRINGS
1 sem. hr.

Participation at the graduate level in string orchestra. May be repeated. Prerequisite: An audition is required.

**482A02 SYMPHONY ORCHESTRA: WINDS AND
PERCUSSION**
1 sem. hr.

Participation at the graduate level in symphony orchestra - winds and percussion. May be repeated. Prerequisite: An audition is required.

483 CHAMBER WIND ENSEMBLE
1 sem. hr.

Participation at the graduate level in chamber wind ensemble. May be repeated.

484 CONCERT CHOIR
1 sem. hr.

Participation at the graduate level in concert choir. May be repeated. Prerequisite: An audition is required.

486 WOMEN'S CHOIR
1 sem. hr.

Participation at the graduate level in women's choir. May be repeated. Prerequisite: An audition is required.

487 ENSEMBLE ACCOMPANYING
1 sem. hr.

Serve as ensemble pianist or rehearsal accompanist for a School of Music large ensemble or related class. Prerequisite: Consent of the Keyboard Area Coordinator.

488 CIVIC CHOIR
1 sem. hr.

Participation at the graduate level in civic choir.

**491 INTERNSHIP IN COLLEGE TEACHING
IN MUSIC**
3 sem. hrs.

Credit for the course is given in the School of Teaching and Learning (see TCH 491).

495 PRACTICUM IN CONDUCTING
2 sem. hrs.

An in-service conducting experience with community and university ensembles for graduate students involved in applied conducting. May be repeated for credit; a maximum of 9 hours to be counted toward a degree. Prerequisite: MUS 430.

496 GRADUATE RECITAL
1 sem. hr.

A public performance in the student's principal applied area of instruction. Course may be repeated once. Prerequisite: Consent of the graduate advisor.

498 PROFESSIONAL PRACTICE IN MUSIC**1-3 sem. hrs.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. May be repeated if content is different. Available as 498A01, 498A02, 498A04, 498A10 or 498A12 (See below).

498A01 PROFESSIONAL PRACTICE IN MUSIC EDUCATION**1-3 sem. hrs.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music.

498A02 PROFESSIONAL PRACTICE: MUSIC THERAPY INTERNSHIP**1 sem. hr.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. May be repeated for a maximum of 4 hours.

498A04 PROFESSIONAL PRACTICE: MUSIC PERFORMANCE**1-3 sem. hrs.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music.

498A10 PROFESSIONAL PRACTICE: MUSIC THERAPY SUPERVISION**1 sem. hr.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music.

498A12 PROFESSIONAL PRACTICE: MUSIC THERAPY CLINICAL PROJECT**3 sem. hrs.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. Prerequisites: MUS 398 and project committee consent

498A90 PROFESSIONAL PRACTICE: MUSIC FINAL YEAR**1-6 sem. hrs.**

Refer to the Index for General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music.

499 MASTER'S THESIS**1-6 sem. hrs.**

Refer to the Index for General Courses.

499A01 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS**1-5 sem. hrs.**

Refer to the Index for General Courses.

499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM**1-5 sem. hrs.**

Refer to the Index for General Courses.

THEATRE AND DANCE (THD)

212 Centennial West, (309) 438-8783
 FineArts.IllinoisState.edu/theatre

School Director: Janet Wilson. Office: 212 Centennial West.

Graduate Program Director: Ann Haugo.

Graduate Faculty: Adams, Brown, Dennhardt, de Veer, Haugo, Lowell, Orr, Paolucci, Pereira, Quinlan, Semonis, Stark, Thompson-Merriman, Vetere, Wilde, Wilson, Zeng.

Degrees Offered

Three graduate degrees are offered by the School of Theatre and Dance: Master of Arts, Master of Science, and Master of Fine Arts. The M.A. and M.S. degrees provide predoctoral training in addition to graduate course work that is based on the presumption that the student should experience a broad range of courses covering most aspects of theatre. The Master of Fine Arts is considered the appropriate terminal degree program for persons in the performance/production areas of theatre.

Master of Science

The Master of Science degree is awarded to a student who has completed a minimum of 36 hours in theatre or approved related courses, and has completed a thesis or passed a School of Theatre and Dance comprehensive examination. The Master's degree candidate must take a series of courses which includes the following: THE 497, included in 9 hours of history/theory-criticism with at least 3 in history and 3 in theory/criticism; 3 hours in acting; 3 hours in directing; 3 hours in design/technical theatre (costume, scenic or lighting design); 14 hours of approved electives; and 4 hours of THE 477. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Master of Arts

The Master of Arts degree is awarded to a student who has completed the requirements outlined above. In addition, the student must have either earned credit for a minimum of two years of a foreign language at the college level, **or** must demonstrate a reading knowledge of a foreign language. This latter requirement is met by passing an examination administered by the appropriate foreign language faculty or a reading language proficiency test. **All master's degree programs require a minimum of 50% of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Admission Requirements

Students who have maintained an average grade of 3.0 or more for the last 60 hours of undergraduate education and have a bachelor's degree are eligible for admission. Students who have fewer than 36 undergraduate hours in theatre, or who have significant deficiencies in their theatre background, may be admitted. In these instances the students will receive a letter from the School Director suggesting undergraduate courses which must be taken as deficiencies in addition to the 36 hours for the master's degree. Students are required to submit directly to the

School of Theatre and Dance three recommendations and one example of scholarly writing for consideration.

Ordinarily, students who apply during the last semester of their senior year of undergraduate school will be admitted provisionally by the Graduate School with the statement, "Pending receipt of Bachelor's degree."

Master of Fine Arts

The Master of Fine Arts degree is a 60-hour minimum program that will take most students three years to complete. It emphasizes both theory and practice. Candidates for the degree are required to concentrate in one of the following areas: Acting, Costume Design, Directing, Scene Design, Lighting Design. Candidates must demonstrate the ability to understand the conceptual basis of their art and to articulate that understanding to others. The M.F.A. is a professionally oriented degree that assumes that the student will be competent as a practitioner and teacher. Therefore, each candidate will be required to complete a supervised experience in college teaching. All Theatre graduate students at Illinois State University are required to take an introduction to graduate studies course or THE 497. Professional Practice (1-12 hours) is available in professional/educational theatres for candidates meeting eligibility requirements. **All master's degree programs require a minimum of 50 percent of the non-thesis credit hours applied to the degree to be 400-level courses or above.**

Admission to The M.F.A. Program

All regular criteria for admission to a terminal degree program in the Graduate School of the University and for graduate study in Theatre will apply. The GRE is not required.

Prospective graduate students will be considered for admission to the Master of Fine Arts program after completing an audition/interview. Each area faculty will determine the admission of candidates in their area. Every semester, students will be evaluated for retention in the program.

Academic Advisors

A temporary Portfolio Committee will be assigned upon admission. If a candidate is retained after the initial annual evaluation, the School Director, in consultation with the student and faculty whom the Director deems appropriate, will select the candidate's permanent Portfolio Committee. The Portfolio Committee Chair must come from the student's studio area.

Transfer Credit

A student who does not have an earned master's degree usually may present no more than six semester hours of credit from another college or university for use in meeting the requirements of the M.F.A. degree. However, a student may present all earned hours from an M.A./M.S. program in Theatre at Illinois State University for use in meeting these requirements.

The total hours required for a student with an earned master's degree will be based on an evaluation of the student's portfolio and academic record. However, the final determination will not be made until the student has completed a minimum of six semester hours in his/her major area of emphasis. The student's M.F.A. committee will supervise all evaluations. Refer to

M.F.A. Transfer Credit in the Fields of Study and Degrees Granted section.

A minimum of 32 hours must be taken at Illinois State University.

Residency Requirement

A student without an earned master's degree must complete a residency requirement of at least four semesters with at least two of them being full-time, consecutive semesters. A student with an earned master's degree must complete a residency requirement of at least two full-time, consecutive semesters. Summer session may be counted toward the two consecutive semester requirement.

The M.F.A. Portfolio

Each semester of enrollment the M.F.A. candidate will enroll in THD 501, M.F.A. Portfolio, for one hour credit. The portfolio is the backbone of the Master of Fine Arts program. It is designed to ensure the regular and systematic evaluation of the student's progress. The portfolio is a collection of materials, including examples of the student's work where appropriate, reviews, evaluations and other artifacts, which may record or characterize the student's experience in the program. The portfolio also contains the student's responses to evaluations as well as statements from the Portfolio Committee which provide direction for the student's future work in the program.

The student must have a portfolio evaluation for each full semester he or she is in the program. The written results of that evaluation are included in the portfolio. The portfolio provides a cumulative record of the student's progress which is carried over from semester to semester.

Finally, the portfolio, with its record of the student's activities in the program, provides the major objective basis for awarding the degree. Although the student may engage in major creative projects during his or her program, the portfolio stands in lieu of the traditional thesis or creative thesis project which is the culminating experience in many programs.

Qualifying/Comprehensive Examination: A qualifying examination is required prior to the exit portfolio presentation. It may be comprehensive to the extent that it examines the candidate's knowledge of the discipline of theatre; it may include graduate work the student is presenting for the degree; and it may include demonstration of proficiency. The examination will be conducted by the student's M.F.A. Portfolio Committee. The student may request that other faculty members with whom he/she has taken course work participate in the qualifying examination.

Final Portfolio Review and Exit Interview: To be eligible for the exit portfolio presentation, the student must (1) present a grade average of B or better with not more than six (6) hours of a grade of C; (2) have completed (or will complete in the current semester) two semesters of full-time resident study; (3) have a degree audit on file with the Graduate School; (4) have passed a qualifying examination; and (5) pass a final portfolio review and exit to be conducted by his/her M.F.A. Committee. The format of this review and exit will be determined by the M.F.A. Committee, who will, when the work is deemed satisfactory, recommend the student to the appropriate studio area

for graduation. At least one week before the Graduate School graduation notification deadline, the School Graduate Faculty will meet to hear the studio area's recommendations. Once the Graduate Faculty has approved the student's graduation, the student will be recommended to the Graduate School for the granting of the degree.

Students should consult with their M.F.A. Portfolio Committees and the School Graduate Advisor for details and the calendar of the final portfolio review and exit. While no student is guaranteed graduation, those whose work is deemed unsatisfactory may be presented opportunities for remediation by their Portfolio Committees.

M.F.A. Degree Requirements

Students will be admitted into one of the following concentrations:

- Acting (67 hours of study).
- Design (60 hours of study). Students in Design should select one of the following focus areas: Costume Design, Lighting Design, or Scenic Design.
- Directing (66 hours of study).

All students enrolled in the M.F.A. in Theatre are required to take the following courses:

- THE 501, M.F.A. Portfolio during each semester of study.
- THE 497, Introduction to Research Methodology in the Theatre.
- 9 additional hours of theatre history, dramatic literature, or criticism/theory.
- 3 hours of college teaching, or equivalent experience.

Course selection and plans of study will be guided by the student's M.F.A. Committee, with the majority of coursework completed in the student's studio area. A maximum of one year may be taken in an off-campus internship program.

Dance Course

373 TWENTIETH CENTURY DANCE HISTORY 3 sem. hrs.

Historical survey of the development of modern dance from late nineteenth to the twenty-first century emphasizing the political and social contexts.

Theatre Courses

300 TOPICS IN THE LITERATURE OF THE THEATRE 3 sem. hrs.

Examination of dramatic literature, possibly including dramatic criticism and performance theory. Course content will vary. May be repeated with different content; maximum of 6 hours. Prerequisite: A minimum of 45 hours completed.

309 DIRECTED PROJECTS 1-3 sem. hrs.

Individually supervised study for the advanced student. May be repeated. Prerequisites: A minimum of 45 hours completed and consent of the instructor.

313 ACTING II
3 sem. hrs.

Analysis, rehearsal and performance of representative scripts. Not for credit if had THE 113. Prerequisites: THD 110 or equivalent, a minimum of 45 hours completed and consent of the Acting faculty.

**314 ACTING STYLE: DISCOVERY
 AND PERFORMANCE**
3 sem. hrs.

Performance styles of a particular playwright, period, or medium. May be repeated with a different topic (See topics below). Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

314A01 REALISM
3 sem. hrs.

Performance styles of a particular playwright, period, or medium. Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

314A02 SHAKESPEARE
3 sem. hrs.

Performance styles of Shakespeare. Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

314A03 ACTING ON CAMERA
3 sem. hrs.

Performance styles of acting on camera. Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

314A08 MUSICAL THEATRE
3 sem. hrs.

Performance styles of musical theatre. Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

314A09 VIEWPOINTS AND COMPOSITION
3 sem. hrs.

Performance styles of a particular playwright, period, or medium. Prerequisites: A minimum of 45 hours completed and consent of the Acting faculty.

322 AUDITIONING
3 sem. hrs.

Preparation, performance and evaluation of numerous audition projects; discussion of the actor's search for employment in the professional theatre. Prerequisites: Acting major only, 6 hours of THE 314, a minimum of 75 hours completed, and consent of the Acting faculty.

330 THEATRICAL COSTUME DESIGN
3 sem. hrs.

Research and practical application to theatrical costume designing. Prerequisites: THE 103, 104, and 130.

**331 HISTORY AND STYLES OF
 STAGE COSTUMING I**
3 sem. hrs.

The costume's reflection of cultural and social milieu and the costume's application to the stage: from antiquity to the eighteenth century. Offered even-numbered years. Prerequisites: THE 103, 104, and 130.

332 COSTUME CONSTRUCTION
3 sem. hrs.

Various rotating topics focusing on flat pattern, draping, and tailoring techniques for the theatrical costume craftsman. May be repeated for a maximum of 9 hours toward the degree program. Prerequisites: THE 103, 104, 130, 232 and consent of the instructor.

333 COSTUME CRAFTS
3 sem. hrs.

Various rotating topics focusing on millinery, prosthetics, wigs, fabric manipulation and other uses of special materials for the theatrical costume craftsman. May be repeated for a maximum of 9 hours toward the degree program. Materials charge optional. Prerequisites: THE 103, 104, 130, 232 and consent of the instructor.

**334 HISTORY AND STYLES OF
 STAGE COSTUMING II**
3 sem. hrs.

The costume's reflection of cultural and social milieu and the costume's application to the stage: French Revolution to Vietnam War. Offered odd-numbered years. Prerequisites: THE 103, 104, and 130.

335 ADVANCED COSTUME DESIGN
3 sem. hrs.

Intensive work in the area of Costume Design and rendering for the stage; emphasis upon idea development and communication skills. May be repeated with different content; a maximum of 6 hours. Prerequisites: THE 103, 104, 130, 330 or consent of the instructor.

340 DIRECTING WORKSHOP
3 sem. hrs.

Principles and methodologies of stage direction applied to particular problems in a workshop format. May be repeated for a maximum of 6 hours toward the degree program. Prerequisites: THE 103, 104, and 240.

341 ORAL INTERPRETATION OF LITERATURE II
3 sem. hrs.

Group forms of Interpretation—Readers Theatre and Chamber Theatre, with experiences to provide the student with practical applications of theory and principle. Prerequisites: THE 101, 103, 104, or consent of the instructor.

**342 INTRODUCTION TO
 STAGE MANAGEMENT**
3 sem. hrs.

Introduction and application of basic principles of stage management, with emphasis on the paperwork and procedures required in theatrical productions. Prerequisites: THE 103, 104, 130, and 160 or consent of the instructor.

344 PRINCIPLES OF THEATRE MANAGEMENT
3 sem. hrs.

Introduction and demonstration of the practices and procedures of theatre management in today's theatre. Prerequisites: THE 103 and 104.

345 ADVANCED THEATRE MANAGEMENT
3 sem. hrs.

Intensive work in business management techniques for arts organizations, including management practices, union contracts, pay-rolls, budgeting and income controls. Prerequisites: THE 103, 104, and 344 or consent of the instructor.

204 Theatre and Dance

348 PLAYWRITING

3 sem. hrs.

Playwriting techniques of selected masters with practical application of techniques in writing original plays. Also offered as ENG 348.

349 ADVANCED STAGE MANAGEMENT

3 sem. hrs.

Application of advanced stage management skills with emphasis on procedures used in professional Equity theatrical productions, dance, opera, and touring. Prerequisites: THE 103, 104, and 342 or consent of the instructor.

351 THEATRE SOUND DESIGN II

3 sem. hrs.

The exploration of sound for live performance through digital systems, composition, and artistic collaboration. Prerequisite: THE 251.

352 MEDIA DESIGN AND PROJECTIONS FOR THE THEATRE

3 sem. hrs.

The exploration of the media/projection design process, and the tools used to create and execute a theatrical projection design. Prerequisite: THE 160.

361 ADVANCED STAGE LIGHTING

3 sem. hrs.

Advanced exploration of lighting design, culminating in a realized project. Prerequisites: THE 103, 104, 258, 262 and consent of the instructor.

362 SCENIC DESIGN

3 sem. hrs.

Nature, function, and aesthetics of scene design, with practice in composition. Formerly *STAGE DESIGN*. Prerequisites: THE 103, 104, 160, and 258 or consent of the instructor.

363 ADVANCED DESIGN

3 sem. hrs.

Intensive work in scenic design and rendering for the stage. May be repeated to total 6 hours toward master's degree. M.F.A. student may enroll for credit in each term of residency. Prerequisite: THE 362 or consent of the instructor.

364 ADVANCED PROJECTS IN DESIGN

2-4 sem. hrs.

Design and production problems as they relate to productions being mounted by the School of Theatre. Emphasis placed upon creative and collaborative aspects of producing theatre. May be repeated; maximum of 6 hour. Prerequisites: THE 103, 104, 130 and 160.

365 SCENE PAINTING

3 sem. hrs.

Development of the skills necessary for the organization, preparation, and execution of painted scenery for the stage. Materials charge optional. Prerequisites: THE 103, 104, and 160.

366 RENDERING TECHNIQUES FOR THE STAGE

3 sem. hrs.

A studio course investigating 2D and 3D graphic techniques for realizing theatrical designs. Rotating topics are described below. May be repeated with different topic for a maximum of 9 hours (see the following topics). Prerequisites: THE 103, 104, 130, 160, 258, and consent of the instructor.

366A01 DRAWING FUNDAMENTALS

3 sem. hrs.

Objectives of the course are to develop fundamental drawing skills, interpret what the eye sees and successfully present it on paper, and to learn from the work of master artists through the analysis of their techniques. Prerequisites: THE 103, 104, 130, 160, 258, and consent of the instructor.

366A02 MEDIA EXPLORATION

3 sem. hrs.

The advanced undergraduate and graduate student will explore and experiment with various media appropriate for producing professional quality renderings for the stage. Through a series of paper projects, students are expected to extend and improve upon their drawing, painting, and perspective skills and produce several pieces that are portfolio ready. Prerequisites: THE 103, 104, 130, 160, 258, and consent of the instructor.

366A03 DIGITAL RENDERING

3 sem. hrs.

The objective of the course is to have an understanding of drawing and painting tools and techniques using Photoshop. Students will demonstrate these techniques through exercises in sketching and painting culminating in a final project, utilizing skills learned during the semester. Prerequisites: THE 103, 104, 130, 160, 258, and consent of the instructor.

367 SCENOGRAPHIC TECHNIQUES

3 sem. hrs.

CAD drafting techniques necessary in developing scenic units into plans, elevations, and working drawings. Prerequisites: THE 103, 104, 258 and consent of the instructor.

368 SCREENWRITING

3 sem. hrs.

Introducing screenwriting for feature films, including workshops of student pitches, treatments, scenes and synopses. Prerequisite: THE 170 or consent of the instructor.

370 HISTORY OF THE CINEMA

3 sem. hrs.

Historical and aesthetic development of the cinema's origins to the present. Lab; screening of significant films.

371 FILM THEORY AND CRITICISM

3 sem. hrs.

Theories relating to art of filmmaking. Prerequisite: THE 170 or consent of the instructor.

375 THEATRE AND PERFORMANCE OF THE AMERICAS

3 sem. hrs.

A seminar on theatre and performance traditions of the Americas. Specific topic will change each time offered. May be repeated for maximum of 6 hours. Prerequisites: THE 103 and 104.

376 THEATRE HISTORY I

3 sem. hrs.

History of theatre from its origins through the European Renaissance. Prerequisites: THE 103 and 104.

377 THEATRE HISTORY II

3 sem. hrs.

History of drama and theatrical production from the late seventeenth century to the present. Prerequisites: THE 103, 104, and 376.

378 SHAKESPEARE ON STAGE
3 sem. hrs.

An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his work. May be repeated if content is different. Also offered as ENG 378.

379 DRAMATURGY
3 sem. hrs.

An introduction to production dramaturgy, including advanced text analysis, research methods, rehearsal participation, and written materials for audiences. Prerequisites: THE 103 and 104.

380 ADVANCED DIRECTING
3 sem. hrs.

Advanced work in directing theory and practice. Course is designed to provide practical experience in collaboration and process. Capstone experience is direction of a one-act play. May be repeated for maximum of 6 hours. Prerequisites: THE 240 and 340, or consent of the instructor.

381 CREATIVE DRAMA PRACTICUM
1-3 sem. hrs.

Practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester. Includes Clinical Experience: 10 hours. May be repeated for a maximum of 6 hours. Prerequisites: THE 280 and consent of the instructor.

**385 PRINCIPLES OF THEATRE
 TEACHER EDUCATION**
4 sem. hrs.

Capstone course in Theatre Teacher Education Sequence; philosophies of theatre education, teaching strategies, co-curricular programs, textbook analyses, professional organizations, related field experiences which include directing in a local high school. Includes clinical experience: hours 25-125. Prerequisites: THE 285; grade of C or better in TCH 216 or concurrent registration. Admission to Professional Studies.

400 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses.

402 THEATRE PRACTICUM
1-3 sem. hrs.

Production experience in the areas of acting, costume, and scenery preparation, production crew, box office, and stage management. May be repeated. Prerequisite: Consent of the instructor.

405 TEXT III
1 sem. hr.

Course dedicated to exploring the clues, cues, and acting prompts in Shakespeare's First Folio of 1623. Prerequisites: THE 401 and 403, or consent of the instructor.

407 TEXT IV
1 sem. hr.

Application of principles of Text I, Text II, and Text III classes with specific regard to the plays of Shakespeare. Prerequisites: THE 401, 403, and 405, or consent of the instructor.

**408 DIRECTED PROJECTS IN
 ACTING AND DIRECTING**
1-4 sem. hrs.

Individually supervised projects in acting and directing offered by contract in arrangement with graduate faculty. May be repeated. Prerequisite: Consent of the instructor.

**412 ACTING STUDIO I: NINETEENTH AND
 TWENTIETH CENTURY
 AMERICAN CLASSICAL MASTERS**
3 sem. hrs.

Development of essential acting techniques toward professional proficiency utilizing significant texts by nineteenth and twentieth century American classical masters. Prerequisite: Consent of the instructor.

**413 VOICE STUDIO I: FOUNDATIONS:
 FREEING THE INSTRUMENT**
2 sem. hrs.

An introduction to vocal technique focusing on freeing the actor from tension and habits that interfere with optimal vocal use. Emphasis on building the strength, flexibility, and stamina of a well-trained professional stage voice. Prerequisite: Consent of the instructor.

414 MOVEMENT STUDIO I: USE OF THE SELF
3 sem. hrs.

Techniques that deepen the student's psychophysical awareness and use of the self for the theatre. Prerequisite: Consent of the instructor.

**415 ACTING STUDIO II: NINETEENTH AND
 TWENTIETH CENTURY
 EUROPEAN CLASSICAL MASTERS**
3 sem. hrs.

Textural analysis, rehearsal, and performances in the works of Chekhov, Ibsen, and other master playwrights. Focus is on language-based texts. Prerequisite: THE 412, 413, 414, or consent of the instructor.

**416 VOICE STUDIO II:
 VOICE AND SPEECH: DIALECTS**
2 sem. hrs.

Articulation is added to the free release of the voice; topics of study will include: the International Phonetic Alphabet, placement and production of vowels and consonants dialect study, and the emotional connection to text, self and acting partner(s). Prerequisite: THE 413 or consent of the instructor.

**417 MOVEMENT STUDIO II: PHYSICAL
 IMAGERY AND CLASSICAL TEXT**
2 sem. hrs.

Exploration of classical text through physical imagery. Prerequisite: THE 414 or consent of the instructor.

418 ACTING STUDIO III: HEIGHTENED TEXT
3 sem. hrs.

Addressing the acting demands of heightened language plays (Restoration, Moliere, Shaw, Shakespeare). Formerly *ACTING STUDIO III: WILLIAM SHAKESPEARE PART ONE: EARLY PLAYS*. Prerequisites: THE 412 and 415; or consent of the instructor.

419 VOICE STUDIO III: HEIGHTENED TEXT
2 sem. hrs.

Continued development of the actor's understanding of rhetorical styles, increased use of supported breath, and articulatory vigor. Formerly *VOICE STUDIO III: SHAKESPEARE*. Prerequisites: THE 413 and 416; or consent of the instructor.

**420 MOVEMENT STUDIO III: ACTING
 VIOLENCE ONE**
2 sem. hrs.

Acting fights in Shakespeare with a physical, vocal, and emotional commitment to the violence. Prerequisites: THE 414 and 417; or consent of the instructor.

421 CONCEPT AND STYLE
3 sem. hrs.

A seminar in the creative collaboration of the theatrical design team (directors, designers and dramaturgs) from the preliminary research to the final, unified production conceptualization. Prerequisites: THE 497 and consent of the instructor.

426 ACTING STUDIO IV: THE PLAYS OF WILLIAM SHAKESPEARE
3 sem. hrs.

Study and practice of essential acting techniques required by the classical structure and stylistic demands of Shakespeare. Formerly *ACTING STUDIO IV: WILLIAM SHAKESPEARE, PART TWO: EARLY PLAYS*. Prerequisites: THE 412, 415, and 418; or consent of the instructor.

427 VOICE STUDIO IV: SHAKESPEARE
2 sem. hrs.

Continued training in voice with a focus on developing power, range, and expressivity using the work of William Shakespeare. Formerly *VOICE STUDIO IV: HEIGHTENED TEXT*. Prerequisites: THE 413, 416, 419; or consent of the instructor.

428 MOVEMENT STUDIO IV: ACTING VIOLENCE TWO
2 sem. hrs.

Continued study of acting fights in Shakespeare with a physical, vocal, and emotional commitment to the violence. Prerequisites: THE 414, 417, and 420, or consent of the instructor.

430 SEMINAR IN THEATRE COSTUME STUDIES
3 sem. hrs.

A seminar in theatre costume studies with the subject changing each time the course is offered. May be repeated for up to 9 hours. Prerequisite: Consent of the instructor.

432 ACTING STUDIO V: NON-LINEAR TEXT
3 sem. hrs.

Addressing the acting demands of experimental theatre non-Aristotelian narrative structure, and non-linear text (e.g. Brecht, Beckett, Churchill, Fornes). Formerly *ACTING STUDIO V: CHEKHOV, IBSEN, AND OTHER MASTERS*. Prerequisites: THE 412, 415, 418, and 426; or consent of the instructor.

433 VOICE STUDIO V: DEPARTURES FROM REALISM
2 sem. hrs.

Exploration of non-linear text and sounds; may include new works and devised pieces; designed to develop emotional range and the use of the unconscious as a resource for non-ordinary images that provide a stimulus for vocal expression. Prerequisites: THE 413, 416, 419, and 427; or consent of the instructor.

434 MOVEMENT STUDIO V: MASK CHARACTERIZATION
2 sem. hrs.

Use of character masks to help the actor increase presence, power, and physical clarity. Prerequisites: THE 414, 417, 420, and 428; or consent of the instructor.

435 ACTING STUDIO VI: ADVANCED STYLES, AUDITION & SHOWCASE
3 sem. hrs.

Addressing the acting demands of advanced styles (Restoration, Greeks, Moliere, Brecht, etc). Additional work on monologues and cold readings for professional theatre and film auditions. Showcase for professional agents and casting directors. Prerequisites: THE 412, 415, 418, 426, and 432; or consent of the instructor.

436 VOICE STUDIO VI: SPECIAL PROJECTS
2 sem. hrs.

Focus on subjects of interest to each student; may include work with dialects, voice-overs, the voice in violence and voice direction. Prerequisites: THE 413, 416, 419, 427, and 433; or consent of the instructor.

437 MOVEMENT STUDIO VI: SPECIAL TOPICS
2 sem. hrs.

Special topics in acting. Topics may include Mask, Alexander Technique, Stage Combat, Comedy of Manners, etc. Prerequisites: THE 414, 417, 420, 428, 434; or consent of instructor.

440 DIRECTING STUDIO
3 sem. hrs.

Investigation into the skills and principles of stage directing over a broad range of genres and styles determined by instructor. May be repeated. Prerequisite: Consent of the instructor.

441 TEACHING ACTING FOR CIVIC ENGAGEMENT
3 sem. hrs.

M.F.A. acting students will study a variety of methods for teaching acting in arts based and non-arts based forums as a means of civic engagement. Prerequisite: Second year status in the M.F.A. sequence in Acting.

461 SEMINAR IN LIGHTING DESIGN STUDIES
3 sem. hrs.

Seminar in lighting design studies with course content changing each semester. May be repeated if content is different. Prerequisite: Consent of the instructor.

462 GRADUATE LIGHTING LABORATORY
3 sem. hrs.

Practical application of theatrical lighting tools and techniques. See topics below. May be repeated if topic is different. Prerequisite: Consent of the instructor.

462A01 GRADUATE LIGHTING LABORATORY: DESIGN
3 sem. hrs.

Practical application of theatrical lighting tools and techniques. Prerequisite: Consent of the instructor.

462A02 GRADUATE LIGHTING LABORATORY: COMMUNICATION TOOLS
3 sem. hrs.

Practical application of theatrical lighting tools and techniques. Prerequisite: Consent of the instructor.

464 ADVANCED PROJECTS IN DESIGN
2-4 sem. hrs.

A study of design and production problems as they relate to productions executed by the School of Theatre and Dance. May be repeated. Prerequisite: Consent of the instructor.

465 ADVANCED PROJECTS IN DIRECTING
2 sem. hrs.

A study of the problems of directing as they relate to departmental productions and the lab work of the Directing Studio. May be repeated. Prerequisite: Consent of the instructor.

**468 THEATRES AND AUDITORIUMS:
 PLANNING AND DESIGN**
3 sem. hrs.

Technical problems in stage and auditorium design and planning: emphasis on stage rigging, lighting, and sound equipment. Laboratory. Prerequisites: THE 362 and consent of the instructor.

475 HISTORY OF THE MODERN THEATRE
3 sem. hrs.

Developments in stagecraft, theatre architecture, directing, acting, and theatrical theory from the late nineteenth century to the present. Prerequisite: Consent of the instructor.

476 SEMINAR IN THEATRE HISTORY
3 sem. hrs.

A seminar in theatre history with the topic changing each time the course is offered. May be repeated for a maximum of 6 hours. Prerequisite: Consent of the instructor.

**477 PROFESSIONAL SEMINAR IN
 THEATRE STUDIES**
1 sem. hr.

Builds professional skills and provides overview of information/issues within the current field of academic theatre studies. May be repeated if content is different for a maximum of 4 hours.

479 DRAMA THEORY AND CRITICISM
3 sem. hrs.

Theatre practice from the point of view of a contemporary aesthetic. Subject of investigation will change from semester to semester.

483 PUBLIC POLICY AND THE ARTS
3 sem. hrs.

Intended for students in MBA/Arts concentration. Overview of historic and contemporary relationships among governmental and cultural organizations in the U.S. Prerequisite: Enrollment in MBA/Arts concentration or consent of the instructor.

491 CORE COMPANY ONE
3 sem. hrs.

Development of the foundational skills of graduate study in theatre: analysis, research, communication and collaboration.

**497 INTRODUCTION TO RESEARCH
 METHODOLOGY IN THEATRE**
3 sem. hrs.

Selection of a research problem, collection of data, types of research, the research report, and use of the library and computer resources in connection with the research problem as applied to theatre history, acting, directing, playwriting, design, criticism, and teaching.

498 PROFESSIONAL PRACTICE
1-12 sem. hrs.

Refer to Index for General Courses.

499 MASTER'S THESIS
1-6 sem. hrs.

Refer to Index for General Courses.

**499A01 INDEPENDENT RESEARCH FOR THE
 MASTER'S THESIS**
1-5 sem. hrs.

Refer to Index for General Courses.

500 INDEPENDENT STUDY
1-4 sem. hrs.

Refer to Index for General Courses.

501 M.F.A. PORTFOLIO
1 sem. hr.

Topics are listed below. Each may be repeated. A student accepted into the M.F.A. program must enroll for credit under the supervision of the Portfolio Committee Chairperson.

501A01 M.F.A. PORTFOLIO: ACTING
1 sem. hr.

501A02 M.F.A. PORTFOLIO: DIRECTING
1 sem. hr.

501A03 M.F.A. PORTFOLIO: SCENE DESIGN
1 sem. hr.

501A04 M.F.A. PORTFOLIO: COSTUME DESIGN
1 sem. hr.

501A05 M.F.A. PORTFOLIO: LIGHTING DESIGN
1 sem. hr.

MENNONITE COLLEGE OF NURSING

312 Edwards Hall, (309) 438-7400
Nursing.IllinoisState.edu

Dean: Judy Neubrandner, 312 Edwards Hall

Graduate Program Coordinator: Caroline Mallory.

Graduate Faculty: Astroth, Dyck, Jenkins, Kerber, Kim, Jacobs, Krejci, Mallory, Miller, Novotny, Pohl, Reitz, Stapleton, Wilson, Woith.

Mission

Mennonite College of Nursing at Illinois State University creates a dynamic community of learning to develop exceptionally well prepared nurses who will lead to improve health outcomes locally and globally. We promote excellence in teaching, research, service, and practice with a focus on the vulnerable and underserved. We are committed to being purposeful, open, just, caring, disciplined, and celebrative.

Master of Science in Nursing

The College offers a Master of Science in Nursing degree designed to prepare nurses to function in selected advanced practice and generalist nursing roles, including family nurse practitioners, nursing systems administrators, and clinical nurse leaders.

Accreditation

The Master of Science in Nursing program is fully accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, D.C. 20036; (202) 887-6791.

Admission Requirements

Applicants to the Master of Science in Nursing program must have: (a) a Bachelor of Science in Nursing degree from a CCNE-accredited or an NLN-accredited program; (b) a minimum grade-point average of 3.0 for the last 60 semester hours of undergraduate course work; (c) evidence of satisfactory completion of statistics, nursing research, and physical assessment courses with a grade of C or better at the baccalaureate level; (d) satisfactory completion of a graduate level statistics course. The Graduate Application for Admission must be completed online and one official transcript from each institution for all prior collegiate work submitted to the Illinois State University Office of Admissions. In addition, the following documentation must be submitted as part of the application to Mennonite College of Nursing as directed in the on-line Graduate application (Campus Box 5810, Normal IL 61790-5810): (a) evidence of licensure as a registered nurse in Illinois; (b) three reference forms from persons qualified to assess the applicant's potential to succeed as a graduate student, with one reference form from a nursing faculty member in the student's baccalaureate program or a master's prepared nurse; (c) a resume; and (d) a 2-3 page essay outlining professional and educational goals. Two years of recent full-time relevant clinical or administrative nursing experience is preferred, but not required.

In addition to the application requirements noted above, international applicants must meet the International Applicant requirements as directed by the Illinois State University Office of Admissions as well as submit to Mennonite College of Nursing a Credentials Evaluation Service Academic Report from CGFNS (Commission on Graduates of Foreign Nursing Schools) or WES (World Education Services).

Applicants meeting the minimum admission criteria may be invited for an interview.

An application pooling process is used to admit students in the fall term. To be considered within the initial pool of applications, complete applications must be received by the deadline specified by Mennonite College of Nursing. Please visit the Mennonite College of Nursing website for important dates. Applications are processed on a continuous basis until enrollment targets are met.

Degree Requirements

The Master of Science in Nursing is a 35-44 semester hour program (depending on sequence chosen) distributed among core, support, and nursing specialty courses. All students must successfully complete a synthesis project within identified Capstone courses in each sequence. NUR 477 is the capstone course identified for the Family Nurse Practitioner sequence, NUR 483 is the Capstone course identified for the Nursing Systems Administration sequence, and NUR 492 is the capstone course identified for the Clinical Nurse Leader sequence. Those students interested in research and doctoral study may choose to complete a thesis that would result in additional degree hours. All master's degree students complete either the Family Nurse Practitioner sequence (32 semester hours), the Nursing Systems Administration sequence (27 semester hours) or the Clinical Nurse Leader sequence (22 semester hours). The Family Nurse Practitioner sequence and the Clinical Nurse Leader sequence both complete 12 hours of core coursework (NUR 401, 403, 405, and 407). The Nursing Systems Administration sequence completes 9 hours of core coursework (NUR 401, 405, and 407).

The master's program is developed based on nationally recognized standards for graduate education in nursing. All courses applied toward the degree must be completed at the 400 level or above. In order to maintain clinical proficiency, students who have completed the final practicum course for their enrolled sequence but who do not meet the requirements for graduation must enroll in ongoing practicum independent study (NUR 400) until graduation. A contract outlining the specific requirements for the Independent Study will be developed between the Graduate Program Coordinator and the student.

Mennonite College of Nursing requires that any student receiving a grade of C or below in graduate coursework must repeat the course. A maximum of 3 semester hours may be repeated.

Family Nurse Practitioner (FNP) Sequence

(Blended curriculum; 32 semester hours plus 12 hours core)

In addition to the 12 hour core, there are 9 hours of support courses and 23 hours of specialty courses for the Family Nurse Practitioner sequence. The support courses are NUR 431, 433, and 437. The specialty courses are NUR 471, 473, 475, and 477. Five of the family nurse practitioner courses (NUR 431, 471, 473, 475, and 477) must be taken in sequential order and in consecutive academic terms. Graduates of the program will be eligible to take the certification exam for Family Nurse Practitioners offered through the American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners (AANP).

Nursing Systems Administration (NSA) Sequence

(36 semester hours, all online)

The required courses are: NUR 401, 405, 407, 425, 451, 453, 483, 509, 511, 562 and 565.

Clinical Nurse Leader (CNL) Sequence

(Blended curriculum; 22 semester hours plus 12 hours core)

In addition to the 12 hour core, there are 9 hours of support courses and 13 hours of specialty courses for the Clinical Nurse Leader Sequence. The support courses are NUR 431, 437, and 479. The specialty courses are NUR 432, 491, and 492.

Non-Degree Graduate-Level Certificates

Nurse Educator Graduate Certificate

Candidates for the Nurse Educator Graduate Certificate must complete a total of 9 credit hours. Requirements include successful completion of NUR 412, 413, and 415.

Admission Requirements for Nurse Educator Graduate Certificate

All applicants to the Nurse Educator Certificate must show evidence of current enrollment in an accredited master's degree nursing program **or** evidence of graduation from an accredited master's degree nursing program.

Applicants must meet general admission requirements as designated for the Mennonite College of Nursing Master of Science in Nursing program. In addition, the following documentation is required: (a) evidence of licensure as a registered nurse in Illinois; (b) completed Nurse Educator Graduate Certificate application form; and (c) reference form from a person qualified to assess the applicant's potential to succeed as a nurse educator.

All materials for admission are to be forwarded directly to Mennonite College of Nursing (Campus Box 5810, Normal IL 61790-5810).

Post-Master's Family Nurse Practitioner Certificate

Coursework for the Family Nurse Practitioner (FNP) post-master's certificate is determined for each student following an assessment of the applicant's graduate nursing education tran-

script. Candidates for the post-master's FNP certificate are required to complete a minimum of 26 credits in Mennonite College of Nursing at Illinois State University, including NUR 431 and 23 hours of specialty courses in the FNP sequence.

Doctor of Nursing Practice (D.N.P.)

An application pooling process is used to admit students in the summer. To be considered within the initial pool of applications, complete applications must be received by the deadline specified by Mennonite College of Nursing. Please visit the Mennonite College of Nursing website for important dates. Applications are processed on a continuous basis until enrollment targets are met.

Admission Requirements

Applicants to the doctor of nursing practice (DNP) program must have (a) a Master of Science in Nursing from a CCNE or NLN-accredited program; (b) a minimum grade point average of 3.0 for the last 30 hours of graduate or 60 hours of undergraduate coursework; and (c) one official transcript from each institution of collegiate academic work.

In addition to the above, applicants to the DNP program should be certified and licensed as an advanced practice nurse (certified nurse practitioner, certified clinical nurse specialist, certified nurse midwife, or certified registered nurse anesthetist) or have completed a master's degree program in nursing administration.

The Graduate application for admission must be completed online and official transcripts submitted to the Illinois State University Office of Admissions as indicated on the Graduate application. In addition, the following documents must be submitted as part of the application to Mennonite College of Nursing as directed in the online Graduate application: (a) evidence of licensure as a registered nurse in the state in which clinical and scholarly project work will occur (not required until after the student has been accepted); (b) evidence of licensure as an advanced practice nurse in the state in which clinical and scholarly project work will occur (not required for those applicants holding a master's degree in nursing administration); (c) three reference forms from persons qualified to assess the applicant's potential to succeed in the doctoral program, one of which must be from a doctorally-prepared individual (such as a previous graduate faculty member, collaborative physician, or nursing colleague); (d) a resume; and (e) an essay outlining the student's clinical and scholarly project interests and career goals. Admission to the doctor of nursing practice program of study is dependent upon whether a student can be matched with a faculty member and/or clinical collaborator with corresponding interests. Qualified students will be contacted for an interview to determine if such a match is possible.

Degree Requirements

(All online)

The doctor of nursing practice (DNP) program consists of 34 semester hours beyond the master's degree in nursing distributed among core courses (18 semester hours), applied data analysis and management (3 semester hours), clinical residency (6 semester hours), and the scholarly project (7 semester hours). The clinical residency is an in-depth clinical experience emphasizing DNP role development and expansion of clinical expertise. All students

must successfully complete a scholarly project and the required dissemination endeavors. Students must complete a minimum of 1,000 clinical hours post-baccalaureate degree.

The program is designed so that a student with a master's of science in nursing degree will be able to complete the D.N.P. degree in seven (7) semesters of study. Prerequisites to the post-master's DNP curriculum include a graduate level epidemiology course, a master's level statistics course, and 640 post-BSN clinical hours. Students who do not meet the prerequisite post-BSN clinical hours will be required to register for NUR 560 Advanced Nursing Practice Experience. All applicants will be evaluated individually based on prior educational work as well as current experience and their programs of study will be designed to include additional coursework, if necessary, to position them to achieve the educational objectives of the curriculum.

The DNP program is based on national expectations and competencies for graduates of DNP programs as stated by the American Association of Colleges of Nursing. All courses applied to the degree must be completed at the graduate level. Mennonite College of Nursing requires that any student receiving a grade of C or below in graduate coursework must repeat the course. A maximum of 3 semester hours may be repeated.

Doctor of Philosophy in Nursing

(Blended curriculum)

An application pooling process is used to admit students in the summer. To be considered within the initial pool of applications, complete applications must be received by the deadline specified by Mennonite College of Nursing. Please visit the Mennonite College of Nursing website for important dates. Applications are processed on a continuous basis until enrollment targets are met.

Admission Requirements

Applicants to the doctor of philosophy program of study must have (a) a Master of Science in Nursing from a CCNE or NLN accredited program, (b) a minimum grade-point average of 3.0 for the last 60 semester hours of undergraduate coursework or 30 hours of graduate course work. The graduate application must be completed online and one copy of official transcripts from each institution of all prior collegiate work and Graduate Record Exam (GRE) scores submitted to the Illinois State Office of Admissions as indicated on the graduate application. The GRE is waived for students with a grade point average of 3.4 or higher in the last 60 semester hours of undergraduate course work or 30 hours of graduate course work.

In addition, the following documents must be submitted as part of the application to Mennonite College of Nursing as directed in the on-line Graduate application: (a) evidence of licensure as a registered nurse in Illinois (not required until after the student has been accepted); (b) three reference forms from persons qualified to assess the applicant's potential to succeed in the doctoral program, one of which must be from a doctoral prepared nurse; (c) a resume; and (d) a 3-5 page essay

outlining the student's research interests and career goals. Admission to the doctor of philosophy program of study is dependent upon whether a student can be matched with a faculty member with corresponding research interests. Qualified students will be contacted for an interview to determine if such a match is possible.

Degree Requirements

The doctor of philosophy is a 66 semester hour program distributed among core (21 semester hours), focus (12 semester hours), statistics/research methods (9 semester hours), elective courses (9 semester hours, 400-500 level), and dissertation (15 semester hours). All students must successfully complete a dissertation comprised of original research. Required coursework is usually completed within two to three years, followed by the comprehensive exam at which time the student is admitted to candidacy. The student completes one to two years of dissertation work followed by the dissertation defense for graduation. Students entering the program post-master's degree may expect to complete the degree within three to four years of full-time study, with required coursework completed in two years, followed by one to two years of dissertation work.

The Illinois State University residency requirement will be followed and may be fulfilled in the following ways:

- Students must complete at least two full-time terms.
- The options for completing this residency include: two consecutive semesters with at least nine hours of coursework or one semester with at least nine hours of coursework and a consecutive summer term over a time period of at least eight weeks with six hours of coursework, or two consecutive summer terms with six hours of coursework each semester.

The Ph.D. program is based on national expectations and competencies for graduates of research-focused doctoral programs in nursing as stated by the American Association of Colleges of Nursing. Typically, all courses applied to the degree must be completed at the graduate level.

Mennonite College of Nursing requires that any student receiving a grade of C or below in graduate coursework must repeat the course. A maximum of 3 semester hours may be repeated.

Specific Academic Regulations

Information regarding regulations and procedures for Graduate Nursing students, advising/degree audit, Cardiopulmonary Resuscitation (CPR) certification, Universal Precautions competency, documentation of Registered Nurse Licensure, Professional Nurse Traineeships, Endowed Scholarships and other private funding sources is available in the Mennonite College of Nursing administrative office.

Nursing Courses

400 INDEPENDENT STUDY 1-4 sem. hrs.

See Index for General Course Offerings.

401 THEORETICAL FOUNDATIONS OF NURSING AND HEALTH CARE
3 sem. hrs.

Focuses on nursing theory in advanced practice. Specific nursing theories and shared theories from other disciplines are examined. Prerequisite: Graduate standing in Nursing or consent of the College.

403 PROFESSIONAL ROLES AND ISSUES IN HEALTH CARE
3 sem. hrs.

Theories and concepts relevant to professional, ethical, legal, and policy issues german to contemporary advanced nursing practice are explored. Prerequisite: Graduate standing in Nursing or consent of the College.

405 EPIDEMIOLOGY AND AGGREGATE BASED HEALTH PROMOTION
3 sem. hrs.

Theoretical foundations, scientific principles, and research methodologies related to epidemiology are studied, and opportunities for practical applications are provided. Prerequisite: Graduate standing in Nursing or consent of the College.

407 SCIENTIFIC INQUIRY AND RESEARCH DESIGN IN NURSING AND HEALTH CARE
3 sem. hrs.

Rigorous and methodical research approaches are explored. Students analyze, evaluate, and interpret studies contributing evidence for practice and knowledge development. Prerequisites: Graduate standing in Nursing or consent of College. Concurrent registration in NUR 409 or equivalent with consent of the College.

409 UNDERSTANDING STATISTICS
3 sem. hrs.

Introduction to basic concepts, issues, and procedures related to descriptive and inferential statistics. Prerequisites: Graduate standing in Nursing and consent of the instructor.

425 ORGANIZATIONAL EXPERIENCE
1-5 sem. hrs.

Human resources, finances, and leadership knowledge from previous course is put into practice. Prerequisites: Graduate student standing in Nursing or consent of the College.

431 DIAGNOSTIC REASONING FOR ADVANCED NURSING PRACTICE
3 sem. hrs.

The diagnostic process with its associated skills of history-taking, target assessments, physical examination techniques, documentation are discussed. Prerequisites: NUR 401 or concurrent registration; graduate standing in Nursing.

433 PHARMACOTHERAPEUTICS FOR ADVANCED PRACTICE NURSING
3 sem. hrs.

Focuses on the management of drug therapy for clients across the life span. Prerequisite: NUR 437.

437 PATHOPHYSIOLOGIC BASES OF HEALTH DEVIATION
3 sem. hrs.

Focuses on the conceptual understanding of pathophysiologic processes and the application of this knowledge to clinical practice. Prerequisite: Graduate standing in Nursing or consent of the College.

451 FINANCIAL AND RESOURCE MANAGEMENT OF HEALTH SYSTEMS
3 sem. hrs.

Forecasting, resource allocation, strategic positioning, and fiscal responsibilities for quality management within managed and non-managed care environments are emphasized. Prerequisite: NUR 479 or 562.

453 ORGANIZATIONAL BEHAVIOR IN HEALTH CARE
3 sem. hrs.

Application of an understanding of organizational behaviors to health care systems and the management of human resources by nurse executives. Prerequisite: Graduate standing in Nursing or consent of the College.

471 FAMILY NURSE PRACTITIONER I
5 sem. hrs.

Focuses on the specialized role of the family nurse practitioner in preventive health and primary health care of populations across the life span, emphasizing minor, self-limiting health problems. Includes practicum. Prerequisites: NUR 431 and 437; NUR 433 or concurrent registration.

473 FAMILY NURSE PRACTITIONER II
5 sem. hrs.

Emphasizes the role of the family nurse practitioner in family-centered, preventive health care of the child-rearing family. Includes practicum. Prerequisite: NUR 471.

475 FAMILY NURSE PRACTITIONER III
7 sem. hrs.

Focuses on the role of the nurse practitioner in the management of complex problems of clients across the lifespan. Includes practicum. Prerequisite: NUR 473.

477 FAMILY NURSE PRACTITIONER IV
6 sem. hrs.

Studies issues involved in being a family nurse practitioner. Includes clinical capstone preceptorship and synthesis project. Prerequisite: NUR 475.

479 ADVANCED CONCEPTS FOR NURSE LEADERS
3 sem. hrs.

Roles and leadership theories are examined, with analysis of health systems and organizational strategies for clinical and human resource management. Prerequisite: Graduate standing in Nursing or consent of the College.

483 EXECUTIVE NURSING ADMINISTRATION OF HEALTH SYSTEMS
4 sem. hrs.

Capstone seminar and practicum experience related to role responsibilities of the nurse executive. Formerly *EXECUTIVE NURSING ADMINISTRATION OF HEALTH SYSTEMS II*. Prerequisites: NUR 565 and last-semester standing.

499 MASTER'S THESIS
1-4 sem. hrs.

Refer to Index for General Courses.

500 INDEPENDENT STUDY**1-4 sem. hrs.**

Intensive study in a specialized area of a doctoral student's interest under a qualified faculty member. Culminates in comprehensive written product and/or examination. Prerequisites: Graduate standing in Nursing and consent of the Graduate Director.

501 PHILOSOPHY OF SCIENCE**3 sem. hrs.**

Philosophy of science, scientific reasoning, and scientific progress are analyzed for relevance to present-day nursing research. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

503 THEORETICAL BASIS OF NURSING RESEARCH**3 sem. hrs.**

Examination and critical evaluation of the theory development and use from nursing and related disciplines. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

505 QUANTITATIVE RESEARCH DESIGN**3 sem. hrs.**

Examination and application of quantitative scientific research design and methods. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

507 QUALITATIVE RESEARCH DESIGN**3 sem. hrs.**

Examination and application of qualitative design and methods. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

509 INTRODUCTION TO NURSING INFORMATICS**3 sem. hrs.**

Overview of nursing informatics theory, practice, policy, and research trends emphasizing knowledgeable use to support advanced nursing practice and research. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

511 HEALTH POLICY**3 sem. hrs.**

Health policy including economic implications is analyzed, applied, and evaluated from a comprehensive understanding of the state of nursing science. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

513 ETHICAL, LEGAL, AND PROFESSIONAL ISSUES IN RESEARCH**3 sem. hrs.**

Ethical and legal considerations of the research process are analyzed, applied, and evaluated. Prerequisite: Graduate standing or consent of the Graduate Director.

520 BIOPSYCHOLOGICAL RESEARCH WITH AGING INDIVIDUALS**3 sem. hrs.**

The state of the science is analyzed and evaluated specific to the biological, psychological, and functional health of aging individuals. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

522 SOCIOCULTURAL RESEARCH WITH AGING PERSONS IN FAMILIES AND COMMUNITIES**3 sem. hrs.**

The state of the science is analyzed and evaluated specific to the sociocultural issues of aging clients and their communities. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

524 RESEARCH IN AGING WITH VULNERABLE POPULATIONS**3 sem. hrs.**

The state of the science is analyzed and evaluated specific to the vulnerable aging population. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

526 RESIDENCY IN RESEARCH WITH AGING ADULTS**1-3 sem. hrs.**

A research paper project in the area of nursing research in aging is conducted under the guidance of a preceptor. May be repeated for maximum of 3 hours. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

530 RESEARCH COLLOQUIUM**No credit hours**

Collection of seminars on research design, health care policy, aging and professional development. Prerequisite: Graduate standing in Nursing or consent of the Graduate Director.

535 APPLIED DATA MANAGEMENT AND ANALYSIS**3 sem. hrs.**

Students learn to apply qualitative and quantitative data analysis for evidence-based practice. Prerequisites: Graduate standing in Nursing and successful completion of a 400-level graduate statistics course and/or consent of the instructor.

540 STATISTICAL METHODS I**3 sem. hrs.**

Introduction to interpretation of basic experimental research designs and advanced inferential statistics. Prerequisites: Graduate standing in Nursing; successful completion of NUR 409; and consent of the instructor.

541 STATISTICAL METHODS II**3 sem. hrs.**

Examination and application of advanced analysis of variance and regression analysis. Prerequisites: Graduate standing in Nursing; successful completion of NUR 540; and consent of the instructor.

542 STATISTICAL METHODS III**3 sem. hrs.**

Examination and application of multivariate data analysis. Prerequisites: Graduate standing in Nursing; successful completion of NUR 540 and 541.

543 SCHOLARLY PROJECT I**3 sem. hrs.**

Development of the scholarly project proposal and Institutional Review Board application will be facilitated. A poster presentation will be developed. Prerequisites: Doctoral student status or consent of the Graduate Director; NUR 564; must be taken concurrently with NUR 550.

545 SCHOLARLY PROJECT II
2 sem. hrs.

Implementation of the scholarly project will be facilitated. Related topics including ethics, information technology and collaboration will be discussed. Prerequisites: Doctoral student status or consent of the Graduate Director; NUR 543, 564; must be taken concurrently with NUR 552.

547 SCHOLARLY PROJECT III
2 sem. hrs.

Evaluation and dissemination of the scholarly project will be facilitated. Sustainability and effect of outcomes on health care will be discussed. Prerequisites: Doctoral student status or consent of the Graduate Director; NUR 543, 545, 564; must be taken concurrently with NUR 554.

550 CLINICAL RESIDENCY I
2 sem. hrs.

In-depth clinical experience for the DNP student, emphasizing DNP role development and development of expertise in area of student choice. Prerequisites: Doctoral nursing student status or consent of the Graduate Director; NUR 564; 640 hours of approved clinical hours; must be taken concurrently with NUR 543.

552 CLINICAL RESIDENCY II
2 sem. hrs.

Continuing in-depth clinical experience for the DNP student, emphasizing further DNP role development and expansion of expertise. Prerequisites: Doctoral nursing student status or consent of the Graduate Director; NUR 564, 550; must be taken concurrently with NUR 545.

554 CLINICAL RESIDENCY III
2 sem. hrs.

Continuing in-depth clinical experience for the DNP student, emphasizing professional career issues and continued expansion of expertise. Prerequisites: Doctoral nursing status or consent of the Graduate Director; NUR 550, 552, 564; concurrent registration in NUR 547.

**560 ADVANCED NURSING PRACTICE
 EXPERIENCE**
1-4 sem. hrs.

Clinical practicum opportunity for DNP students to obtain additional clinical hours to meet prerequisite hours required prior to Clinical Residency. Prerequisite: Doctoral nursing student status or consent of the Graduate Director.

562 LEADERSHIP IN HEALTH CARE SYSTEMS
3 sem. hrs.

Role of the DNP leader in health care practice and organizations is addressed. Prerequisite: Doctoral student status or consent of the Graduate Director.

564 EVIDENCE-BASED PRACTICE
3 sem. hrs.

Focus on the role of the DNP in use of evidence-based research for translation into practice. Prerequisite: Doctoral student status or consent of the Graduate Director.

**565 CHANGING HEALTH CARE SYSTEMS:
 QUALITY SCIENCE AND OUTCOMES
 MANAGEMENT**
3 sem. hrs.

Introduction to science of quality improvement, patient safety, models, methods, and tools with emphasis on practice change and outcomes management. Prerequisites: Graduate student status or consent of the Graduate Director.

**569 ADVANCED FINANCIAL AND RESOURCE
 MANAGEMENT OF HEALTH SYSTEMS**
3 sem. hrs.

Addresses utilization of advanced accounting techniques, cash flow analysis, resource allocation, strategic positioning and capital budgeting for making managerial decisions. Prerequisites: Doctoral student status or consent of the Graduate Director; NUR 562 or equivalent; NUR 451 or equivalent.

599 DOCTORAL RESEARCH
1-15 sem. hrs.

Refer to the Index for General Courses. Design, conduct, and disseminate original research study under direction of dissertation chair. Prerequisites: Graduate standing in Nursing or consent of the Graduate Director and advanced to candidacy for the Ph.D.

MEMBERS OF THE GRADUATE FACULTY

For Summer 2016 as of January 2016

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