

ILLINOIS STATE UNIVERSITY

2018-2019

Graduate Catalog

Effective May 21, 2018

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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

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 (local and home) telephone listing (local and home), Illinois State University 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 name included on the student's ISU application (the student's legal name) is the name used for directory information purposes. If a student has also entered a preferred name in the Campus Solutions and/or HR system, that preferred name will be used ONLY for specific internal University operations and will not be used as directory information. To change your name for directory information purposes, you must change your legal name in the system. Information on how to do this is available at the University Registrar website or by contacting the Registrar directly at 438-2188. If you are also an employee, information on how to change your legal name for employment purposes, is available on the Human Resources website or by contacting them directly at 438-8311. Questions regarding use of a preferred name should also be directed to the above offices.

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.

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 website, Policy.IllinoisState.edu, 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.

University Commitment to Diversity

Illinois State University is committed to creating and supporting a welcoming, inclusive and diverse working and learning environment. Diversity, in all of its forms, is a critical aspect of our community and contributes to our overall excellence. The University supports a diverse faculty and staff who mentor and support a diverse student population. The University endeavors to provide opportunities for all students, staff and faculty to participate in a global society. In our strategic plan, *Educating Illinois*, Diversity is identified as one of five University core values and establishes goals and concrete actions designed to ensure that all members of the University community can succeed and thrive on campus and beyond.

University Office of Ethics

Any student, faculty, or staff member who believes they have witnessed a violation of the State Officials and Employees Ethics Act should report the violation immediately to the University Ethics Office. Contact the University Ethics Office at (309) 438-2339 or ethics@illinoisstate.edu.

Student Access and Accommodation Services

350 Fell Hall, (309) 438-5853

Website: StudentAccess.IllinoisState.edu

Email: AbleISU@IllinoisState.edu

Steps to receiving reasonable accommodations at Illinois State University. It is the student's responsibility to participate in the interactive process by: 1. self-identifying to Student Access and Accommodation Services (SAAS) as a person with a disability or medical/mental health condition, 2. completing a Request for Services form and 3. providing documentation of disability or medical/mental health condition. 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 or medical/mental health condition and the appropriate accommodation(s). SAAS offers a variety of accommodations to meet the needs of persons with disabilities or medical/mental health conditions. General examples of types of accommodations provided are exam accommodations, sign language interpreters, note takers, 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 building 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.

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.

Career: Campus Solutions term for undergraduate or graduate status.

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.

Hold: A block that may prevent a student from receiving a service or performing an action, for example a financial hold may result in a student not being allowed to register or receive a transcript. Campus Solutions refers to a hold as a "negative service indicator."

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: The point at which a student is formally admitted to the university and eligible to enroll in classes.

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: Campus Solutions term for “semester hour” and “credit hour.”

Program and Course Explanations

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

Plan: Campus Solutions term for “program.”

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.

Subplan: Campus Solutions term for a “sequence.”

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.

Multiple enrollments allowed: indicates that a course may be taken for credit more than once if different content is planned; 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.

8 Terminology

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.

Department, School and Unit Abbreviations

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

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 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.

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 matters of graduate education and research, and advise the Associate Vice President for Research and Graduate Studies. Each council member sits on one of three standing committees: membership/student development, curriculum, or research. Members are elected by the graduate faculty. Two graduate students serve on the Graduate Council. Selection criteria for members are articulated in Article IV of the By-Laws.

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 9 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 and fees. A class taken under the audit option does not count toward a degree and it does not count toward full-time student status for financial aid and other purposes.

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 an installment plan for the payment of semester charges for the fall, spring, and summer semesters. For those selecting that option, an installment fee per semester will be assessed, with approximately one fifth due in August, September, October, November and December for the fall semester, and one fifth due in January, February, March, April and May for the spring semester and one half due in June and July for the summer semester. The Student Accounts website StudentAccounts.IllinoisState.edu/Billing gives further information and lists specific dates.

Withdrawal and Reduction of Tuition and Fees

A registered student who officially withdraws from the University may receive a reduction of tuition and fees, 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.
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 \$1,250 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 Tuition/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.

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.

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 login and password 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 graduate hours fall/spring, 5 graduate hours summer (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/Student/Graduate/.

Applying for a Graduate Assistantship: Information for applying for graduate assistantships is available on the website: HR.IllinoisState.edu/Student/Graduate/

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 on 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.

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.

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.

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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 6% (July 1, 2017).

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.

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 login and password, 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 six 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 (six 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.

Master's and Doctoral Degrees Granted**College of Applied Science and Technology**

Agriculture—M.S.
 Criminal Justice Sciences—M.A., M.S.
 Family and Consumer Sciences—M.A., M.S.
 Information Systems—M.S.
 Kinesiology and Recreation —M.S.
 Technology—M.S.

College of Arts and Sciences

Anthropology—M.A., M.S.
 Applied Economics—M.A., M.S.
 Audiology—Au.D.
 Biological Sciences—M.S., Ph.D.
 Chemistry—M.S.
 Chemistry Education—M.C.E., M.S.C.E.
 Clinical-Counseling Psychology—M.A., M.S.
 Communication—M.A., M.S.
 English—M.A., M.S.
 English Studies—Ph.D.
 History—M.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 Pathology—M.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. Ed., Ed.D., Ph.D.
 Reading—M.S. Ed.
 Special Education—M.S., M.S. 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 Studies—M.A., M.S.
 Theatre—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, and the Environment Department section for description.*)
 Graduate Certificate in Instructional Technology in World Languages (*See Languages, Literatures, and Cultures Department section for description.*)
 Graduate Certificate in Anthropology Geographic Information Systems (GIS) (*See Department of Sociology and Anthropology 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

16 Graduate Licensure Programs

- 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 in Educational Administration
- Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration
- Post-Master's Graduate Certificate for Chief School Business Official (CSBO)
- Post-Baccalaureate Teacher Leader Certificate (*See Educational Administration and Foundations Department section for descriptions.*)
- Post-Baccalaureate Library Information Specialist Certificate (*See School of Teaching and Learning section for description.*)

Mennonite College of Nursing

- Post-Master's Family Nurse Practitioner Certificate

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, 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 Licensure Processes (CELP), located in the Cecilia J. Lauby Teacher Education Center, 56 DeGarmo Hall. This should be done early in the program. The CELP 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 licensure 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 Cecilia 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 9-12, 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 the Cecilia J. Lauby Teacher Education Center website Education.IllinoisState.edu/teacher/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 Licensure Processes, 56 DeGarmo Hall. The guidelines for submitting appeals may be found on the following website: Education.IllinoisState.edu/teacher/.

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 on the Graduate School website at Grad.IllinoisState.edu/academics.

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.

18 General Admission Information

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 graduate 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, 77 Illinois Adm. Code 694, to provide proof of immunity for tetanus, diphtheria, pertussis, meningitis, measles, mumps and rubella (MMR). 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:

- Two Measles, Mumps, and Rubella (MMR) vaccines after the first birthday, for students born after 1/1/1957,
- A combination of 3 shots for DTP/Dtap/Td/ or Tdap. One must be a Tdap. One must be within the last ten years,
- One Meningococcal conjugate vaccine after the age of 16

for new students under the age of 22. Meningitis B and menomune do not meet this requirement.

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).

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 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 Graduate School website, Grad.IllinoisState.edu/Academics/ 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 for readmission 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/Academics. 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 and fee are 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.

English Proficiency Requirements for Admission to Illinois State University

Students can prove English proficiency in a number of ways:

1. Tests
 - a.) If a specific department requests a higher score for consideration into their program(s), we require that designated score.
 - b.) If a specific department request all applications be submitted for review, regardless of English proficiency test scores, we honor the request and add a note that these applications will need to be submitted to the graduate school for an exception.
 - c.) TOEFL (Test of English as a Foreign Language)
The minimum TOEFL score required for international graduate admission is 79 (Internet-based testing), or 550 (paper-based).
 - d.) IELTS (International English Language Testing System)
The minimum IELTS score is a 6.5 band.
2. Attending U.S. institutions
A student is eligible to have a language test waived if they attended a U.S. school and have met the following criteria:
Has graduated or will be graduating from an accredited U.S. institution or has resided in the U.S. for at least 1 year at the time of admission.
3. Earning a degree from a U.S. Institution
If a student has earned a degree from an accredited U.S. school, TOEFL/IELTS scores are waived if the student has

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not left the United States for at least one year or more at the time of admission.

4. English as a Native Language

Students whose country of origin's only official language is English are exempt from having to prove English proficiency. Refer to the CIA World Factbook.

5. English as the Medium for Instruction

If a student has attended a school whose language of instruction is English, ISU does not require test scores to prove English proficiency. To demonstrate this, it should be stated explicitly on the transcript or a submitted letter from the school official.

Required Application Materials: Visit the Graduate School website, Grad.IllinoisState.edu/academics, 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 for readmission -are exempt from the fee.
4. **Official English proficiency 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 or GMAT 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 summer or fall admission option. For deadline information, visit Grad.IllinoisState.edu/Academics. 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 and fee are 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:

I certify that I have or will have a baccalaureate degree from a college or university that is accredited by the appropriate regional accrediting association prior to my attendance at Illinois State. I understand that my enrollment in this graduate level does not constitute admission to a degree program at Illinois State University. I recognize that there is no guarantee that credits earned from my enrollment as a Visiting Student will be applicable to a degree at Illinois State. All graduate courses taken as a Visiting Student will be computed into my graduate grade point average. I am aware that 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. Furthermore, I understand that I, as a non-degree seeking student, may not be eligible for Financial Aid.

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.

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

Help with registration may be obtained at the University Registrar website Registrar.IllinoisState.edu or 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.

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; 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; 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.

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. A class taken under the audit option does not count toward a degree; it does not count toward full-time student status for financial aid and other purposes, nor does it count toward total hours enrolled in determining registration priority. Students auditing a class will be charged all applicable tuition and fees. An auditor is expected to attend regularly. A student may register as an auditor in a class or classes if space is available. To audit, a student must obtain a Request for Auditor registration form from the Registrar Service Center or download it at Registrar.IllinoisState.edu, request the instructor sign it and return the signed form to the Registrar Service Center.

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(s)

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 (See Colleges, Departments, Schools, and Course Offerings). Some courses may be taken for credit more than once. These courses are indicated in the catalog by "multiple enrollments allowed" or "multiple enrollments allowed up to a maximum of x hours," and these courses are exempt from the repeat policy stated above. For courses such as these, a separate grade is recorded for each enrollment and each grade (A, B, C, D, or F) is counted toward the student's GPA. Later grades do not replace earlier grades for courses of this type.

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.

50 Percent Rule

Based on Higher Learning Commission Accreditation 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.

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 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 Graduate School. If approval is granted, a grade of WX will be awarded.

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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.
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 their 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 or academic requirement 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.

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.

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

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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 and approved 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 acknowledgment 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. After the Right to Defend is issued (Grad.IllinoisState.edu/Academics), 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. 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 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 upload 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. The thesis format must be approved by the Graduate School before the degree will be conferred. 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/deadlines.

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 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 499 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, upon reenrollment and/or reinstatement, must pay tuition and fees for one credit hour of 499, at the current tuition and fee rates, for each of the delinquent semesters. 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 12 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 12 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.

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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.

Accelerated Master's Degree Programs: Students admitted into an accelerated master's degree program may count a maximum of twelve (12) hours of course work towards both the bachelor's degree and master's degree. The coursework requires approval of the academic advisor. Courses must be at the 400 level or be a dual credit 300 level course in which the student completes graduate student requirements as outlined in the syllabus. Although a maximum of twelve (12) hours may be shared, some programs have lower limits.

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 form titled, "Approval for Graduate Credit for Senior Admitted to a Graduate Major" is available in the graduate admissions processing area of the Office of Admissions for this purpose (211 Hovey Hall).

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 recommendations, a personal statement, and a writing sample. 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 thesis or applied research experience in school psychology and a full-time internship in a school setting.

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, and graduate coordinator, 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 a minimum grade point average of 3.0 in graduate coursework at Illinois State, completed all deficiencies, successful completion of PSY 402 or a Thesis Proposal Approval form for PSY 499, on file in the Graduate School, if a thesis is the culminating experience for

the specialist program, and an approved Degree Audit on file in the Graduate School. The Proposal Approval and Degree Audit 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 demonstrate 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

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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/Coordinators/

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 from the Graduate School. 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 within 5 working days of notifying the student.

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 of 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 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 599 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, upon reenrollment and/or reinstatement, must pay tuition and fees for one credit hour of 599, at the current tuition and fee rates, for each of the delinquent semesters. Any student requesting reinstatement in a degree program after a lapse of

32 Degree and Certificate Completion Requirements

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 and approved 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/Academics/Thesis-dissertation/) 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/

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.

To be eligible for degree completion a student must upload the final draft of the dissertation to ProQuest and submit the Final Deposit checklist and signed Outcome of Defense form (Grad.IllinoisState.edu/Academics/thesis-dissertation/) 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. The dissertation format must

be approved by the Graduate School before the degree will be conferred. 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 and approved 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 Research/IllinoisState.edu. 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. The Proposal Approval Form may be found at Grad.IllinoisState.edu/Academics/Forms.

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.

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.

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 IllinoisState.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*

1-9 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 INDEPENDENT RESEARCH FOR THE 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. Multiple enrollments allowed up to a maximum of 6 credit hours.

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**1-9 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. Multiple enrollments allowed.

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. Multiple enrollments allowed. 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.

Dean: Todd McLoda

Interim Associate Dean: Cara Rabe-Hemp

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**Programs Offered**

M.S. degree in Agriculture with sequences in Agribusiness, Agriscience, and Agriculture Education and Leadership.

Program Requirements

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

Each sequence has a thesis and 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:

This 37 hour sequence requires:

- 7 hour required core: AGR 403, 445, and 497
- 6 hours: MBA 430 and MBA 421;
- 3 hours of business courses selected from MBA 411, 412, 416, 427, 440, 450; MKT 431
- 9 hours of advanced agribusiness courses selected from AGR 418, 420, 422 or 424
- Plus Option 1 or 2
- Students who completed a limited number of business courses as undergraduates may be required to take some or all of the following Pre-MBA courses in accounting, statistics, economics, management, marketing, finance, and business law. Foundation courses cannot be presented for use in the Agriculture degree program.

Students with non-business undergraduate degrees may have to complete Pre-MBA Program courses before enrolling in MBA core courses. 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 Pre-MBA Program courses. A person may take each proficiency exam only once.

Option I—Thesis:

- the degree requirements listed above
- 6 hours of Master's Thesis (AGR 499)
- 6 hours of electives

Option II—Non-thesis:

- the degree requirements listed above
- 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.
- 9 hours of electives
- 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, 492 or coursework of interest from pertinent departments approved by the student's committee.

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:

This 36 hour sequence requires:

- 7 hour required core: AGR 403, 445, and 497
- 3 hours: BSC 490
- plus Option I or II

Option I—Thesis:

- the degree requirements listed above
- 6 hours of Master's Thesis (AGR 499)
- 20 hours of electives selected from the list below

Option II—Non-thesis:

- the degree requirements listed above
- 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
- 23 hours of electives selected from the list below
- 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, 492; BSC 301, 321, 335, 336, 415, 425; CHE 344, 444; GEO 303, 304, 305, 360, 380, 386 or coursework of interest from pertinent departments approved by the student's committee.

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, 492; BSC 321, 416; CHE 344, 444; FCS 332.
- Agronomy: AGR 304, 305, 306, 355, 356, 357, 363, 492; BSC 301, 335, 336; GEO 303, 304, 305, 360, 380.
- Horticulture: AGR 352, 353, 355, 356, 357, 358, 363, 492; BSC 301, 335, 336.

Agricultural Education and Leadership Sequence:

Students who completed a limited number of Agricultural Education or education courses as undergraduates may be

38 Agriculture

required to take undergraduate foundation courses as a prerequisite. Foundation courses cannot be presented for use in the Agricultural Education and Leadership degree program.

This 36 hour sequence requires:

- 7 hour required core: AGR 403, 445, and 497
- 14 hours of agriculture electives
- 9 hours from Teaching and Learning, Technology, or other coursework identified by the students' graduate committee as relevant to the area of interest
- plus Option I or II

Option I—Thesis:

- the degree requirements listed above
- 6 hours of Master's Thesis (AGR 499)

Option II—Non-thesis:

- the degree requirements listed above
- 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.
- 3 hours of electives from the list below
- pass a comprehensive written/oral examination

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, 492. Additional graduate electives may come from Teaching and Learning (TCH 401, 402, 407, 409, 411, 430, 432, 450, 453, 473, 478) and/or Technology (TEC 301, 302, 306, 406, 407, 408) 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. Multiple enrollments allowed 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. Materials charge optional.

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 General Courses.

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

Development of research; composition of abstract; oral presentation of literature review, methodology, and data. Multiple enrollments allowed for total of 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.

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.

40 Agriculture

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.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

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

1-6 sem. hrs.

Refer to General Courses.

CRIMINAL JUSTICE SCIENCES (CJS)

441 Schroeder East, (309) 438-7626

CriminalJustice.IllinoisState.edu

Chairperson: Brent Teasdale**Programs Offered**

M.A., M.S. degree in Criminal Justice Sciences

Program Requirements

The Department offers both thesis and culminating research options for completion of the master's degree.

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—Thesis: This 33 hour option requires:

- 15 hours: 401, 440, 497, 499 (6 hours)
- 18 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.

Option II—Culminating Research Project: This 36 hour option requires:

- 12 hours: CJS 400, 401, 440, 497
- 24 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 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.**

The course involves an exploration of a foreign country. Students will have exposure to cultural, political, social and criminal justice issues. Multiple enrollments are allowed if content is different; maximum of 12 hours. 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 CONFLICT RESOLUTION, COMMUNICATION, AND MEDIATION IN CRIMINAL JUSTICE**3 sem. hrs.**

Conflict resolution, communication, and mediation skills are applied to different areas of professional practice and restorative justice throughout communities. Formerly COMMUNICATION SKILLS IN CRIMINAL JUSTICE. 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. Multiple enrollment allowed 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 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 General Courses.

499 MASTER'S THESIS**1-6 sem. hrs.** Refer to General Courses.**499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM****1 sem. hr.** Refer to General Courses.

FAMILY AND CONSUMER SCIENCES (FCS)**110 Turner Hall, (309) 438-2517****FCS.IllinoisState.edu****Chairperson:** Ani Yazedjian**Programs Offered**

M.A., M.S. degrees in Family and Consumer Sciences with sequences in Family and Consumer Sciences and Dietetic Internship, a concentration in Child Life, and a graduate certificate in Social Aspects of Aging.

Program Requirements

Each sequence and concentration has a thesis and non-thesis option. For students choosing the non-thesis option, a scholarly project will be required that will be determined by the graduate coordinator in conjunction with the graduate faculty. Required core courses include: FCS 401, 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.

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.

Family and Consumer Sciences Sequence:

This sequence has a thesis and non-thesis option.

Option I—Thesis: Students selecting this 32 hour option will complete the follow degree requirements:

- 9 hour core: FCS 401, 445, and 497
- 4 hours: FCS 499
- 19-20 hours of electives with at least 16 hours in Family and Consumer Sciences

Option II—Non-Thesis: Students selecting this 39 hour option will complete the follow degree requirements:

- 9 hour core: FCS 401, 445, and 497
- 30 hours of electives, at least 20 hours in Family and Consumer Sciences

Dietetic Internship Sequence:

Illinois State University offers an 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.

Option I—Thesis: Students selecting this 33 hour option will complete the follow degree requirements:

- 9 hour core: FCS 401, 445, and 497
- 11 hours: FCS 417, 420, 402 (2 hours, repeated for a total

of 4 hours)

- 6 hours of Internship Rotations: FCS 498
- 3 hours of electives
- 4 hours: FCS 499

Option II—Non-Thesis: Students selecting this 39 hour option will complete the follow degree requirements:

- 9 hour core: FCS 401, 445, and 497
- 11 hours: FCS 417, 420, 402 (2 hours, repeated for a total of 4 hours)
- 6 hours of Internship Rotations: FCS 498
- 13 hours of electives

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. 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 2190, Chicago IL 60606-6995; (312) 899-0040, ext. 5400.

Child Life Concentration:

The Department offers a concentration in Child Life at the master's degree level. The Family and Consumer Sciences graduate program is registered with the Association for Child Life Professionals. 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. Because Child Life is a concentration and not a sequence, it will not be listed on the student's transcript.

Graduate Certificate in Social Aspects of Aging

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. Multiple enrollments allowed 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.

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

Factors that influence clothing and behavior across the life stages or human development. Emphasis on research. Prerequisites: A minimum of 45 hours completed. Major and minor only.

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.

336 VALUE OF PLAY IN HUMAN DEVELOPMENT**3 sem. hrs.**

Study of the value of play to development; theories in historical and contemporary perspectives; explanations in behavior, relationships, and culture. Not for credit if had FCS 392. Prerequisites: FCS 250, 251, 254, or 304 or consent of the instructor.

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: A minimum of 45 hours completed. Grade of C or better in FCS 104, 242 and 246; FCS 218 and TEC 117 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 the interface between man-made environments and humans. The needs of special populations are addressed. Lecture and lab. Prerequisites: FCS 200 and 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, 340, 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. Multiple enrollments allowed 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 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. Multiple enrollments allowed 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.

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.**

Multiple enrollments allowed. 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 General Courses.

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

Refer to General Courses.

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

Refer to General Courses.

HEALTH SCIENCES (HSC)**305 Felmley Hall, (309) 438-8329****HealthSciences.IllinoisState.edu****Chairperson:** Jeff Clark**Programs Offered**

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.

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)**4 sem. hrs.**

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

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 General Courses.

INFORMATION TECHNOLOGY (IT)

202 Old Union Hall, (309) 438-8338

IT.IllinoisState.edu

School Director: Mary Elaine Califf**Programs Offered**

M.S. in Information Systems with sequences in: Geographic Information Systems, Internet Application Development, Network and Security Management, and Systems Development. Graduate certificates are offered in: Information Assurance and Security, Internet Application Development, Network and Telecommunications Management, and Systems Analyst.

Program Requirements

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. 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.

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 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.

The MS in Information Technology has a 21 hour core requirement: IT 351 or 357, 377, 432, 463, 478, 496, and 497

- IT 497, must be taken during the first year in the program

Geographic Information Systems Sequence:

Option I—Thesis: This 36 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 499 Master's Thesis
- 6 hours: GEO 303, 304
- 3 hours: GEO 488 or IT 467

Option II—Project: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 494 Master's Project
- 6 hours: GEO 303, 304
- 6 hours: 2 of the following: GEO 305, 488; IT 341, 353, 467

Option III—Courses: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 3 hours: ENG 349
- 6 hours: GEO 303, 304
- 3 hours: IT 495, Capstone
- 6 hours: 2 of the following: GEO 305, 488; IT 341, 353, 467

Internet Application Development Sequence:

Option I—Thesis: This 36 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 499 Master's Thesis
- 9 hours: IT 353, 354, 358

Option II—Project: This 39 hour sequence requires:

- 21 hour core: IT 351 or 357, 432, IT 478, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 494 Master's Project
- 9 hours: IT 353, 354, 358
- 3 hours: 1 of the following: IT 368, 467, 468, 485

Option III—Courses: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 3 hours: ENG 349
- 9 hours: IT 353, 354, 358
- 3 hours: IT 495, Capstone
- 3 hours: 1 of the following: IT 368, 467, 468, 485

Network and Security Management Sequence:

Option I—Thesis: This 36 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 499 Master's Thesis
- 6 hours: IT 450, 477
- 3 hours: 1 of the following: IT 351, 357, 370, 374, 376, 379, 381

Option II—Project: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 494 Master's Project
- 6 hours: IT 450, 477
- 6 hours: 2 of the following: IT 351, 357, 370, 374, 376, 379, 381

Option III—Courses: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496

50 Information Technology

- 3 hours: ENG 349
- 6 hours: IT 450, 477
- 3 hours: IT 495, Capstone
- 3 hours: 2 of the following: IT 351, 357, 370, 374, 376, 379, 381

Systems Development Sequence:

Option I—Thesis: This 36 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 499 Master's Thesis
- 6 hours: IT 467, 468
- 3 hours: 1 of the following: IT 341, 368, 485

Option II—Project: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 6 hours: IT 494 Master's Project
- 6 hours: IT 467, 468
- 6 hours: 2 of the following: IT 341, 368, 485

Option III—Courses: This 39 hour sequence requires:

- 21 hour core: IT 432, IT 478, IT 351 or 357, IT 497, IT 377, IT 463, IT 496
- 3 hours: ENG 349
- 6 hours: IT 467, 468
- 3 hours: IT 495, Capstone
- 6 hours: 2 of the following: IT 341, 368, 485

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. Students must apply for the certificate before beginning coursework.

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.

Three core courses, IT 351, 357 and 450 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 358, 467, 468, or 485, are required to earn the certificate. Prerequisites: IT 261 and 276 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 276 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 DEFENSIVE SECURITY**3 sem. hrs.**

Application of current tools and techniques in preventative information assurance and security including monitoring and defensive countermeasures. 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. Multiple enrollments allowed if content is different. 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. Multiple enrollments allowed 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 276. Major or minor only or consent of the school 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 276. Major or minor only or consent of the school advisor.

379 ADVANCED COMPUTER NETWORKS**3 sem. hrs.**

Explore the latest advances in networking with emphasis on practical hands-on learning. Formerly TELECOMMUNICATIONS NETWORK OPERATIONS AND MANAGEMENT. Prerequisites: Grade of C or better in IT 377, or consent of the school 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 276. Major or minor only or consent of the school 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 377 or consent of the school 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. Multiple enrollments allowed if content is different. Offered alternate years. Prerequisites: Major or minor only or consent of the graduate advisor. Prerequisites vary with topic chosen.

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 272 and 330. Major or minor only or consent of the school advisor.

400 INDEPENDENT STUDY**1-3 sem. hrs.**

Refer to 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 250 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.**

Modern technologies for the management, automation, and orchestration of converged networking systems. Prerequisite: IT 377 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. Multiple enrollments allowed if topic is different. 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.**

State-of-the-art web application development using .NET technologies; Current practices and trends. 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. Multiple enrollments allowed. 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 276 and 378, or consent of the graduate advisor.

498 PROFESSIONAL PRACTICE IN INFORMATION TECHNOLOGY**1-6 sem. hrs.**

Refer to 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 General Courses.

KINESIOLOGY AND RECREATION (KNR)

250 McCormick Hall, (309) 438-8661

KinRec.IllinoisState.edu

School Director: Dan Elkins

Programs Offered

M.S. in Kinesiology and Recreation includes sequences 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.

Program Requirements

The Master of Science degree is a 33 hour program and consists of a 6 hour research core (KNR 497, 445*), 21-24 hours of additional 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. 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) sequence is for returned Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies.

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 12 hours: KNR 381, 400, 466 or 475, and 473 or 474;
- 15 hours: ACED core ECO/POL/SOC 478, ECO 490A04, POL/SOC 470, and POL/SOC 477; KNR 498A30 or 498A90 (5 hours--the sequence ends with a required 11-month internship arranged through the Stevenson Center)

Athletic Training Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 18 hours: KNR 484, 486, 487, 490, 494, 496
- 3-6 hours in a cognate area approved by the athletic training sequence coordinator
- a culminating experience consisting of either a 6-hour thesis or 3 hours of independent study

Biomechanics Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497

- 12 hours: KNR 342, 352, 482 & 490
- 6-9 hours in a cognate area approved by the biomechanics faculty advisor
- a culminating experience consisting of either a 6-hour thesis or 3-6 hours of independent study and/or professional practice

Exercise Physiology Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 15 hours: KNR 415, 451, 457, 480, 481
- 6-9 hours in a cognate area approved by the exercise physiology faculty advisor
- a culminating experience consisting of either a 6-hour thesis or 3-6 hours of independent study

Physical Education Pedagogy Sequence: All courses for the physical education graduate sequence will be delivered 100% online. This degree does not lead to teacher licensure or a teaching endorsement in physical education.

This 33 hour sequence requires:

- 6 hour core: KNR 418 & 497
- 12 hours: KNR 417, 419, 421, 422
- 9-12 elective hours approved by the Physical Education sequence coordinator (i.e. KNR 423, 425, 426, 427, 428)
- a culminating experience consisting of either a 6-hour thesis or professional practice or 3-6 hours of independent study

Psychology of Sport and Physical Activity Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 9 hours: KNR 405, 406, 416
- 6-12 hours in a cognate area approved by the psychology of sport and physical activity faculty advisor
- a culminating experience consisting of either a 6-hour thesis or professional practice or 3-6 hours of independent study

Recreation Administration Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 21 hours: KNR 453, 466, 472, 473, 474, 475, 476
- 3 hours in a content area approved by the recreation administration faculty advisor
- a culminating experience consisting of either a 3-6 hour professional practice, a 6 hour thesis, or 3 hours of independent study.

Sport Management Sequence:

This 33 hour sequence requires:

- 6 hour core: KNR 445 & 497
- 21 hours: KNR 430, 440, 453, 455, 462, 466, 467
- 0-3 hours in a cognate area approved by a sport management faculty advisor
- a culminating experience consisting of either a 6-hour thesis or 3 hours of independent study or 3-6 hours of professional practice

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. Multiple enrollments allowed for a maximum of 6 hours. Prerequisites: Consent of the instructor.

400 INDEPENDENT STUDY

1-4 sem. hrs.

Refer to 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.

408 CURRENT TOPICS IN YOUTH SPORT

3 sem. hrs.

In-depth examination and analysis of current knowledge, theory and practices related to the psychosocial development of youth in sport.

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. Multiple enrollments allowed 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.

431 SPORT ANALYTICS**3 sem. hrs.**

Examination of the theory, development, and application of analytics in sport with an emphasis on player performance and team management. Prerequisite: KNR 445.

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.

472 FOUNDATIONS OF LEISURE**3 sem. hrs.**

Introduction to the field of leisure services with an emphasis on history, governance, philosophy, and industry sectors.

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.

476 LEADERSHIP DEVELOPMENT FOR LEISURE SERVICES PROFESSIONALS**3 sem. hrs.**

Examination and development of leadership behaviors and principles associated with effective leisure services professionals.

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.

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**1-9 sem. hrs.**

Refer to General Courses. Materials charge optional.

498A10 PROFESSIONAL PRACTICE IN EXERCISE SCIENCE**1-9 sem. hrs.**

Refer to General Courses. Formerly PROFESSIONAL PRACTICE IN PHYSICAL EDUCATION.

498A12 PROFESSIONAL PRACTICE IN SPORTS MEDICINE AND ATHLETIC TRAINING**1-9 sem. hrs.**

Refer to General Courses.

498A30 PROFESSIONAL PRACTICE IN PARKS AND RECREATION**1-9 sem. hrs.**

Refer to General Courses. Materials charge optional.

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

Refer to General Courses.

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

Refer to General Courses.

TECHNOLOGY (TEC)

215 Turner Hall, (309) 438-3661

TEC.IllinoisState.edu

Chairperson: Ted Branoff

Programs Offered

M.S. in Technology with sequences in Project Management, Quality Management and Analytics, STEM Education and Leadership, and Training and Development; certificates in Project Management, Quality Management and Analytics, STEM Education and Leadership, and Training and Development.

Program Requirements

Students must select one of two options (30 semester hours including thesis or 33 semester hours with a comprehensive experience) in completing the M.S. degree. Required core courses include: 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. All master's degree programs require a minimum of 50 percent of non-thesis credit hours applied to the degree to be 400-level courses or above.

Project Management Sequence:**Option I—Thesis:** This 30 hour sequence requires:

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 430, 431, and 432
- 6 hours: TEC 499
- 9 hours of electives, selected through advisement

Option II—Non-Thesis: This 33 hour sequence requires

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 430, 431, and 432
- a comprehensive experience
- 18 hours of electives, selected through advisement

Quality Management and Analytics Sequence:**Option I—Thesis:** This 30 hour sequence requires:

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 437, 438, & 439
- 6 hours: TEC 499
- 9 hours of electives, selected through advisement

Option II—Non-Thesis: This 33 hour sequence requires

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 437, 438, & 439
- a comprehensive experience
- 18 hours of electives, selected through advisement

STEM Education and Leadership Sequence:**Option I—Thesis:** This 30 hour sequence requires:

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 423, 424, & 425
- 6 hours: TEC 499
- 9 hours of electives, selected through advisement

Option II—Non-Thesis: This 33 hour sequence requires

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 423, 424, & 425
- a comprehensive experience
- 18 hours of electives, selected through advisement

Note: 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.

Training and Development Sequence:**Option I—Thesis:** This 30 hour sequence requires:

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 406, 407, & 408
- 6 hours: TEC 499
- 9 hours of electives, selected through advisement

Option II—Non-Thesis: This 33 hour sequence requires

- 6 hour core: TEC 445 & 497
- 9 hours: TEC 406, 407, & 408
- a comprehensive experience
- 18 hours of electives, selected through advisement

Graduate Certificate Programs

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.

Note: Students must apply for the certificate before beginning coursework.

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. 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.

STEM Education and Leadership Certificate

The department offers a graduate certificate in STEM Education and Leadership. 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 is not tied to teacher licensure in the State of Illinois.

Training and Development Certificate

This certificate requires successful completion with a grade of B or better in each of TEC 406, 407, and 408. 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.

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.

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.

324 ADVANCED MECHANICAL AND ELECTRICAL SYSTEMS

3 sem. hrs.

Advanced study of the design, installation, operation, and automation of mechanical and electrical systems. Lecture and lab. Prerequisites: TEC 222. 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; TEC 325 or concurrent registration; 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. Multiple enrollments allowed 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.

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, 229, and 325; 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. Multiple enrollments allowed for a maximum of six hours. Prerequisites: TEC 349 and 497. (Refer to 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. Multiple enrollments allowed 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.

432 PROJECT IMPLEMENTATION AND CONTROL**3 sem. hrs.**

Advanced concepts in project management including computerized scheduling and cost control, quality systems, 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.

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.

**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.

**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.

**498 PROFESSIONAL PRACTICE IN INDUSTRIAL
TECHNOLOGY**

1-8 sem. hrs.

Refer to General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

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

1 sem. hr.

Refer to General Courses.

Interim Dean: Diane Zosky

Associate Dean for Research, Facilities, and

IT: Joseph R. Blaney

Associate Dean for Academic Programs and Student

Affairs: Sally E. Parry

Associate Dean for Personnel, Budget, and

Planning: Marla Reese-Weber

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, and the Environment; 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 programs in African-American Studies, 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

Programs Offered

M.S. in Biological Sciences with sequences in: Behavior, Ecology, Evolution, and Systematics; Bioenergy Sciences; Biomathematics; Biotechnology; Conservation Biology; Neuroscience and Physiology; and a Ph.D. degree in Biological Sciences with sequences in: Behavior, Ecology, Evolution, and Systematics; Molecular and Cellular Biology; and Neurosciences.

Master's in Biological Sciences Program requirements

All master's degree students are required to complete a research thesis and at least 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.

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. This 30 hour sequence requires:

- 2 hours of BSC 420
- 4 hours of thesis (BSC 499)
- 7 hours of sequence core courses: BSC 420A27, 470, and 490
- 9-12 hours: chosen from BSC 325, 330, 335/336, 375/376, 404, 405, 406, 486, 488
- 5-8 hours of elective courses are selected through consultation among the major professor, the student's committee, and the student

Bioenergy Sciences Sequence:

This course of study 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.

This 30 hour sequence requires:

For the Biotechnology-based track:

- 20 hours: BSC 353, 354, 365, 415, 419, 420A38, 420Axx (student's choice), 450A45
- 4 hours of thesis (BSC 499)
- 6 hours of electives

For the Ecology/Conservation Biology-based track:

- 19 hours: BSC 365, 404 or 405, 406, 420A27, 420A38, 470, 490
- 4 hours of thesis (BSC 499)
- 7 hours of electives

Biomathematics Sequence:

This cross-disciplinary sequence 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 32 hour sequence requires:

- 2 hours of BSC 420 A36
- 4 hours of thesis BSC 499
- 14 hours of sequence core courses: MAT 340, 350, 351, and 442
 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.
- 12 hours of electives from two areas of emphasis. A minimum of 12 non-thesis hours must be from the School of Biological Sciences. A minimum of 14 hours (not including 499) outside of the core courses and BSC 420A36 must be at the 400 level.
- Biological Statistics and Modeling area of emphasis: with a choice of courses from BSC 343, 404, 405, 406, 450A37, 486; MAT 353, 356, 362, 378, 450, 453, 455, 456, 458
- Computation and Bioinformatics area of emphasis: with a choice of courses from BSC 350, 353, 355, 415, 419, 470; MAT 356, 361, 363, 461

Biotechnology Sequence:

This sequence is a discipline linking cell biology, molecular biology, biochemistry, neurobiology, genetics, microbiology, developmental biology, and immunology. It is designed to enhance students' competency in the theoretical and applied aspects of biotechnology principles, techniques, and their application. This 30 hour sequence requires:

- 2 hours of BSC 420
- 4 hours of thesis BSC 499
- 9 hours of electives

- 15 hours of sequence courses, to include: BSC 353, 354, 415, 419 and 450A45

Conservation Biology Sequence:

This sequence is a discipline linking ecology, genetics, evolution, and systematics to applied problems in biodiversity preservation and ecosystem function and maintenance. This 30 hour degree requirements include:

- 8 hours of sequence core courses (BSC 406, 420A29, 490/420A27)
- 4 hours of thesis BSC 499
- 1 hour of another BSC 420
- 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:

This sequence provides students with a strong conceptual background in these two fields of biological sciences, and 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. This 30 hour sequence requires:

- 2 hours of BSC 420
- 4-6 hours of thesis BSC 499
- 10 hours of sequence core courses (BSC 430, 435, 490, and 420A27)
- 14 hours of sequence elective courses chosen from BSC 411, 415, 418, 419, 425, 450A37, 450A40, 450A47, 486, and 470. To complete these 14 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 Program Requirements

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).

Degree requirements include:

- 4 hours BSC 420
- Most Ph.D. students take 30-40 semester hours of coursework
- Take and pass the Ph.D. qualifying exam
- 15+ hours: BSC 599

- A sequence (requirements follow) or an individual plan of study

Behavior, Ecology, Evolution, and Systematics (BEES) Sequence:

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. Degree requirements include:

- 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:

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. Degree requirements include:

- 8 hours of core courses (BSC 415, 419, 420A37)
- 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, CHE 342, 343, 344, 440, 442, 444

Neuroscience and Physiology Sequence:

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. Degree requirements include:

- 10 hours of sequence core courses (BSC 430, 435, 490, and 420A27)
- 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.

319 GENETICS OF BEHAVIOR

4 sem. hrs.

This course will explore how genes contribute to various behaviors using the scientific literature and a hands-on laboratory experience. Lecture and lab. Materials charge optional. Prerequisite: BSC 219.

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 196 and 197.

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. Multiple enrollments allowed 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.

370A03 TOPICS IN MOLECULAR AND CELLULAR BIOLOGY: PROGRAMMING FOR BIOLOGISTS**3 sem. hrs.**

This course covers introductory programming for the analysis of DNA, RNA, and protein sequences. Prerequisites: BSC 197, 203, 219.

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. Multiple enrollments allowed.

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**4 sem. hrs.**

Molecular basis of key eukaryotic cell functions including motility, adhesion, membrane trafficking, cell-cell communication, and cell division. Lecture. Prerequisites: BSC 203 and 219 or equivalents.

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**3 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). Multiple enrollments allowed 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.

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. Multiple enrollments allowed 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. Multiple enrollments allowed for credit in different fields; see the topics below. Pre-requisite: Consent of the instructor.

450A37 ADVANCED STUDIES IN BIOSTATISTICS**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. Pre-requisite: 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.

450A53 ADVANCED STUDIES IN SPECIALIZED FIELDS: ADVANCES IN GENOMICS**2 sem. hrs.**

Overview and applications of genomics, i.e., using the total DNA complement of an organism to study or engineer its biology. Lecture and lab. Prerequisite: BSC 219 or equivalent.

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 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. Multiple enrollments allowed; 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 General Courses.

499A90 MASTER'S THESIS: LAST TERM**1 sem. hr.**

Refer to General Courses.

599 DOCTORAL RESEARCH: BIOLOGICAL SCIENCES (Ph.D)

1-15 sem. hrs.

Refer to General Courses.

599A90 RESEARCH IN BIOLOGICAL SCIENCES: FINAL TERM**1 sem. hr.**

Refer to General Courses.

CHEMISTRY (CHE)

214 Julian Hall, (309) 438-7661

Chemistry.IllinoisState.edu

Chairperson: Craig McLauchlan

Programs Offered

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 Program Requirements

The program is broad-based, and allows students to specialize in any of the sub-disciplines (physical, organic, inorganic, analytical, biochemistry, or chemical education), although coursework is required in at least four sub-disciplines. The Master of Science in Chemistry (M.S.) is a thesis-based M.S. degree requiring 31 credit hours including: Four hours each in CHE 490 (Research) and CHE 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.

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. If 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.

This 31 hour degree requires:

- 21 hours of 400 and/or 300-level courses including a minimum of 12 credit hours of courses at the 400 level in 3 sub-disciplines (analytical, inorganic, organic, physical, biochemistry, and chemical education)
- 2 hours: 1 hour each CHE 492 and CHE 494
- 8 hours: 4 hours each in CHE 490 and CHE 499
- Successful completion of a thesis based upon original research and oral examination/thesis defense

Graduate coursework in related disciplines may be substituted with consent of the Chemistry Department.

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 Science in Chemistry Education Program Requirements

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 33 credit hour degree requires 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, 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 401, 402, 403; 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

Master of Chemistry Education Program Requirements

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, 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 401, 402, 403; 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

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; MAT 146; PHY 109 or 111. Grade of C or better in CHE 215 required 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. Multiple enrollments allowed 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.

380A11 STRUCTURAL DETERMINATION IN CHEMISTRY

3 sem. hrs.

An intermediary level course concerning the application of spectroscopic techniques to the structure determination of organic compounds. Prerequisite: CHE 232, or graduate standing.

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.

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.

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.

380A54 CARBOHYDRATES

3 sem. hrs.

This course is an overview of the physical, chemical, and biochemical aspects of simple and complex carbohydrates. Prerequisite: CHE 342 or equivalent, or graduate standing.

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.

380A63 INDUSTRIAL CHEMISTRY**3 sem. hrs.**

Advanced study of physical inorganic chemistry in applied settings. Topics covered include industrial cooling processes, industrial catalysis, manufacturing and purification processes in applied settings. Not for credit if an equivalent course has been taken. Prerequisite: MCE/MSCE degree or non-degree seeking students.

380A64 BIOCHEMISTRY OF NUTRITION, EXERCISE, AND SPORTS MEDICINE**3 sem. hrs.**

Analysis of the biochemistry of nutrition and exercise and how these can be used to understand their complex interactions. For credit for MSCE/MCE program. Not for credit in the M.S. in Chemistry. Not for credit for CHE, Biochemistry or CTE majors. May be taken for credit in the CHE minor. Prerequisite: CHE 242 or 342 or equivalent or consent of the instructor.

401 ADVANCED CHEMISTRY DEMONSTRATIONS**1-3 sem. hrs.**

Topical analysis of current best practices in teaching chemistry. Multiple enrollments allowed for credit if content differs (see following topics). Prerequisite: CHE 301 or 401 (any topic) or 402 or 403 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 401 (any other topic) or 402 or 403 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 401 (any other topic) or 402 or 403 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 401 (any other topic) or 402 or 403 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 401 (any other topic) or 402 or 403 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 401 (any other topic) or 402 or 403 or equivalent. Not for credit in the M.S. in Chemistry program.

401A06 ADVANCED CHEMISTRY DEMONSTRATIONS: THERMOCHEMICAL ENERGY IN THE CHEMISTRY CURRICULUM**3 sem. hrs.**

Topical analysis of current best practices and difficulties in teaching energy concepts in chemistry as they pertain to secondary school classrooms. A particular emphasis will be to connect content knowledge to modern demonstrations and teaching activities. Not for credit if in the M.S. in Chemistry program. Prerequisite: CHE 301 or 401 (any other topic) or 402 or 403 or equivalent.

402 TEACHING CHEMISTRY IN THE LABORATORY**1-3 sem. hrs.**

Critical analysis of factors for teaching chemistry in the laboratory. Multiple enrollments allowed for credit (see the following topic). Prerequisites: CHE 301 or 401 or 402 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 402 (any other topic) 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 multiple enrollments allowed (see the following topics). Prerequisites: CHE 301 or 401 or 402 or 403 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 403 (any other topic) 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. Multiple enrollments allowed (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.

412A09 CHEMICAL INSTRUMENTATION**3 sem. hrs.**

Fundamental theory and practical aspects of analog and digital electronics, computer interfacing, data acquisition, analog and digital signal processing, and S/N enhancement techniques. 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 multiple enrollments allowed. 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.

440 ADVANCED TOPICS IN BIOCHEMISTRY**1-3 sem. hrs.**

Advanced study in selected areas of biochemistry.

Prerequisite: One semester of biochemistry. Multiple enrollments allowed 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 metallodrugs will be considered. Prerequisites: CHE 250 and 342 or equivalent or consent of the instructor.

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. Multiple enrollments allowed (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. Prerequisite: CHE 362. MAT 175 and 340 are 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. Multiple enrollments allowed (see the following topic).

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**1-9 sem. hrs.**

Refer to 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**1-9 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.

74 Chemistry

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

**499A90 INDEPENDENT RESEARCH FOR MASTER'S
THESIS LAST TERM**

1 sem. hr.

Refer to General Courses.

COMMUNICATION (COM)

434 Fell Hall, (309) 438-3671
 Communication.IllinoisState.edu

Director: Stephen Hunt

Programs Offered

M.A./M.S. degrees in Communication

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.

Program Requirements

Option I—Thesis: This 32 hour option requires:

- 9 hours including COM 422, 497 and another methods course (COM 402, 473, or an alternate course approved by the Graduate Coordinator)
- 5 hours: COM 499
- 18 hours of electives
- at least 15 of the 32 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—Non-Thesis:** This 39 hour option requires:
 - 9 hours including COM 422, 497 and another methods course (COM 402, 473, or an alternate course approved by the Graduate Coordinator)
 - 30 credit hours of electives
 - a meaningfully revised seminar paper or seminar project must be submitted to the graduate advisor by the end of the student's last semester
 - at least 27 of the 39 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

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 AUTHORING. Prerequisites: COM 111, 160, 161, 163, and 317 or concurrent registration.

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.

320A01 MASS MEDIA-CULTURAL CRITICISM AND PROBLEMS: IDENTITIES IN LATIN AMERICAN POPULAR CULTURE

3 sem. hrs.

Critique of identity in Latin American media genres and systems. Special focus on Panama. Critique of identity in Latin American media genres and systems. Special focus on Panama. Prerequisites: Enrollment in Panama Study Abroad Program, 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 and 90 hours completed.

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. Prerequisites: COM 111.

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 and 75 hours completed.

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 STORYTELLING AND PRODUCTION**3 sem. hrs.**

Investigation and practice of on-screen, nonfiction storytelling with historical, theoretical, ethical, and aesthetic considerations. Formerly DOCUMENTARY PRODUCTION ON SOCIAL AND POLITICAL ISSUES. 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. Formerly REGULATION

OF THE COMMUNICATION INDUSTRY. Prerequisites: COM 111, 160 or 165, and 60 hours completed.

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.

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. Formerly ETHICAL PROBLEMS IN MASS COMMUNICATION. Prerequisites: COM 111, 160 or 165, and 60 hours completed.

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.

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.

385 EDITORIAL AND FEATURE WRITING**3 sem. hrs.**

Advanced training in writing feature articles and editorials for newspapers and magazines. Prerequisites: COM 111, and 165.

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. Multiple enrollments allowed if content is different; maximum of 9 hours. Prerequisites: COM 111, graduate standing, or consent of the instructor.

390A01 TOPICS IN CONTEMPORARY COMMUNICATION: JOURNALISM IN LATIN AMERICA**3 sem. hrs.**

This course will demonstrate various roles of the State, market forces, historical developments and distinct cultural norms and behaviors in shaping journalistic practice in the various nations that comprise Latin America. Prerequisite: Enrollment in Panama Study Abroad Program, 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, dramatistic, 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. Multiple enrollments allowed if content is different.

410 SEMINAR IN FAMILY COMMUNICATION**3 sem. hrs.**

Advanced examination of theories and research in family communication. 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. Multiple enrollments allowed 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. Multiple enrollments are allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

460 SEMINAR IN MASS COMMUNICATION**3 sem. hrs.**

Advanced examination of selected areas of theory and research in mass communication. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

482 SEMINAR IN COMMUNICATION EDUCATION: COMMUNICATION ASSESSMENT

3 sem. hrs.

Survey of communication assessment including communication education and assessment theory. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

495 SEMINAR IN ORGANIZATIONAL COMMUNICATION

3 sem. hrs.

Advanced examination of selected areas of theory and research in organizational communication. Multiple enrollments allowed if content is different.

496 SEMINAR IN RHETORICAL THEORY

3 sem. hrs.

Advanced examination of selected theories of rhetorical communication. Multiple enrollments allowed 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

1-9 sem. hrs.

Refer to General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

499A90 INDEPENDENT RESEARCH FOR MASTER'S THESIS LAST TERM

1 sem. hr.

Refer to General Courses.

COMMUNICATION SCIENCES AND DISORDERS (CSD)

204 Fairchild Hall, (309) 438-8643
CSD.IllinoisState.edu

Chairperson: Ann Beck

Programs Offered

M.A./M.S. in speech language pathology, Au.D. in audiology, and a Graduate Certificate in Social Aspects of Aging.

Program Requirements

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.

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 clinicals. Enrollment by graduate students in the department's clinicals requires degree status. In all instances, permission of the Clinic Director is needed for practicum enrollment, and enrollments may be restricted. External graduate clinicals 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).

Students will select one of three options at the end of the spring semester (third term on campus).

Option I—Comprehensive Exam:

- 39 academic hours: CSD 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50,

408A60, and 408A70

- Pass the comprehensive exam administered by the Department of Communication Science and Disorders

Option II—Independent Study:

- 39 academic hours: CSD 400, 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50, 408A60, and 408A70
- 2 independent study hours of CSD 400 under the direction of a CSD faculty member

Option III—Thesis:

- 39 academic hours: CSD 402, 403, 404, 406, 409, 410, 412, 413, 414, 418, 420, 422, 432, 451, and 460
- 18 clinical hours: CSD 408A30, 408A40, 408A50, 408A60, and 408A70
- 6 thesis hours: 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 requires a minimum of 86 credit hours. Students are expected to be in residence for at least one academic year. Degree requirements include:

- 54 academic hours: CSD 401, 451, 509, 510, 511, 520, 521, 522, 523, 524, 526, 530, 531, 532, 533, 536, 538, 540, 541, 542.
- 23 clinical hours: CSD 508A10, 508A20, 508A30, 508A40.
- 6 capstone hours (over two semesters): CSD 500.
- 3 clinical residency hours: CSD 598.

Graduate Certificate in Social Aspects of Aging

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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**1-9 sem. hrs.**

Refer to General Courses. Multiple enrollments allowed for credit.

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

Refer to General Courses.

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

Refer to General Courses.

508 AUDIOLOGY CLINICAL PRACTICUM**2-4 sem. hrs.**

Supervised clinical practicum. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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**3 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. Materials fee optional.

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 PEDIATRIC AUDIOLOGY

3 sem. hrs.

Overview of educational audiology and current management options for the rehabilitation of children with hearing loss. Formerly ADVANCED AURAL REHAVILITATION: PEDIATRICS.

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 proesthetics 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 OCCUPATIONAL AND ENVIRONMENTAL AUDIOLOGY

3 sem. hrs.

Study of the effects of hazardous noise on the auditory system, including regulation, sound measurement, prevention strategies, work-relatedness, and disability. Formerly HEARING CONSERVATION.

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. Multiple enrollments allowed 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.

598 CLINICAL RESIDENCE IN AUDIOLOGY

3 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. Multiple enrollments allowed for a maximum of 3 semester hours. Prerequisite: Consent of the instructor.

ECONOMICS (ECO)**425 Stevenson Hall, (309) 438-8625****Economics.IllinoisState.edu****Chairperson:** David Cleeton**Programs Offered**

M.A./M.S. degree in Applied Economics with sequences in Applied Community and Economic Development, Electricity, Natural Gas, and Telecommunications Economics, and Financial Economics.

Program 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.

Applied Economics

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.

Option I—Non-Thesis: The 34 hour program includes:

- 19 hour core: ECO 437, 438, 439, 440, 441, 495
- 3 hours: ECO 492
- 9 hours in Economics electives at the 400 level
- 3 hours of additional electives at the 300 or 400 level within Economics and selected in consultation with the Graduate Program Director

Option II—Thesis: The 34 hour program includes:

- 19 hours: ECO 437, 438, 439, 440, 441, 495
- 6 hours: Thesis ECO 499
- 6 hours in Economics electives at the 400 level
- 3 hours of additional electives at the 300 or 400 level within or outside Economics and selected in consultation with the Graduate Program Director

Applied Community and Economic Development Sequence

The Applied Community and Economic Development (ACED) sequence is designed for returned Peace Corps Volunteers, and students with equivalent domestic or international experience with other agencies. This 34 hour program includes:

- 19 hours: ECO 437, 438, 440, 441, 492, and 495
- 15 hour ACED core: 490A04, POL/SOC 470, POL/SOC 477, ECO/POL/SOC 478, and ECO 498A03 or 498A90 (5 hours—the sequence ends with a required 11-month internship arranged through the Stevenson Center)

Electricity, Natural Gas, and Telecommunications Economics Sequence

This sequence emphasizes the application of economic analysis to the telecommunications, electric, and natural gas industries.

This 34 hour program includes:

- 19 hour core: ECO 437, 438, 439, 440, 441, 495

- 3 hours: ECO 492
- 12 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.

This 34 hour program includes:

- 25 hour core: ECO 437, 438, 439, 440, 441, 444, 492, 495
- 6 hours of finance courses: FIL 440 and 3 hours in an FIL 400-level elective
- 3 hours of additional electives at the 300- or 400-level within or outside of 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.

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.

443 GAMES AND STRATEGIES**3 sem. hrs.**

Foundations of game theory with an emphasis on formal methods. Applications are given to classic games and economic models. Prerequisite: ECO 240 or consent of the instructor.

444 FINANCIAL ECONOMICS**3 sem. hrs.**

Analysis of consumers and business firms' capital budgeting, financing and dividend/payout policy, with focus on asset pricing models. Prerequisites: ECO 437, 440, 441.

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.**

Multiple enrollments allowed 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.

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**1-9 sem. hrs.**

Refer to 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**1-9 sem. hrs.**

Refer to 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**1-9 sem. hrs.**

Refer to 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**1-9 sem. hrs.**

Refer to 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 General Courses.

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

Refer to General Courses.

ENGLISH (ENG)

409 Stevenson Hall, (309) 438-3667

English.IllinoisState.edu

Chairperson: Christopher De Santis**Programs Offered**

M.A./M.S. and Ph.D. in English; Post-Baccalaureate Certificate in Writing - Teaching of Writing in High School/Middle School; Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL).

Master's Degree in English**Program Requirements**

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 1 Non-thesis: 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 2 Thesis: 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 in English**Program Requirements**

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.

Course requirements include:

- 3 hours: ENG 402 for students with teaching assistantships in composition
- 16 hours: ENG 510, 540, 560, and 590
- 6-9 hours: English Studies electives
- 6 hours: pedagogy
- 15 hours: specialization
- comprehensive examinations: specialization exam and English Studies presentation
- 4 hours: ENG 591 - Internship in Teaching
- 15+ hours: ENG 599, dissertation that connects research in language, literature, or writing with pedagogy

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

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.

Post-Baccalaureate Graduate Certificate in the Teaching of Writing in High School/Middle School

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 Coordinator, 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 Coordinator, be applied toward an M.A. or Ph.D. in English Studies if the student is admitted to one of these programs.

English Courses

When content differs some courses may allow multiple enrollments 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.

321 STUDIES IN DRAMA**3 sem. hrs.**

Study of the movements, figures, historical periods, or contexts of drama. May be repeated if content is different. Prerequisites: ENG 100 with a grade of C or better, ENG 102, a minimum of 45 hours completed; or consent of the instructor.

322 STUDIES IN THE ENGLISH NOVEL**3 sem. hrs.**

Study of movements, figures, historical periods, contexts, and theories of English novels. May be repeated if the content is different. 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. Multiple enrollments allowed 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 ORIGINS OF MODERN LITERATURE FOR YOUNG PEOPLE**3 sem. hrs.**

Advanced critical examinations of literature for children and adolescents from the 20th century to the present, including the origins of these literatures, with emphasis on trends and research. Formerly STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE. Multiple enrollments allowed if content is 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. Multiple enrollments allowed 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. Includes Clinical Experiences: 100 hours. 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. Multiple enrollments are allowed if content is different. Prerequisites: Grade of C or better in ENG 100; ENG 102, a minimum of 45 hours completed or experience in teaching (student teaching acceptable); or consent of the instructor.

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, a minimum of 45 hours completed or graduate standing; or consent of the instructor.

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

Refer to 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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed for a maximum of 12 hours. See topics available below.

Prerequisite: Consent of the instructor.

447A01 POETRY**3 sem. hrs.**

Practice of writing poetry. Multiple enrollments allowed.

Prerequisite: Consent of the instructor.

447A02 PROSE**3 sem. hrs.**

Practice of writing prose. Multiple enrollments allowed.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

482 STUDIES IN LITERARY CRITICISM AND THEORY**3 sem. hrs.**

Problems or topics in literary criticism and theory. Multiple enrollments allowed if content is different.

483 STUDIES IN CULTURAL RHETORICS**3 sem. hrs.**

Advanced theoretical study of intersections among rhetorics, cultures, and systems of power. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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**1-9 sem. hrs.**

Refer to 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 General Courses.

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

Refer to 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 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 General Courses.

GEOGRAPHY, GEOLOGY, and the ENVIRONMENT (GEO)

206 Felmley Hall, (309) 438-7649
GEO.IllinoisState.edu

Chairperson: Dagmar Budikova

Programs Offered

M.S. in Hydrogeology and the Hydrogeology Geographic Information Systems (GIS) Graduate Certificate.

Program Requirements

Master's degree candidates may choose either of two options.

Option I—Thesis: This 32 hour option requires:

- 18 hour core: GEO 360*, 410, 435, 439, 456, and 488
- 8-10 hours of electives
- GEO 499 (4-6 hours)

Option II—Comprehensive Exam: This 32 hour option requires:

- 18 hour core: GEO 360, 410, 435, 439, 456, and 488
- 14 hours of electives
- a comprehensive examination

* 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, and the Environment 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 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

4 sem. hrs.

Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis. Lecture and lab. Formerly GEOGRAPHIC INFORMATION SYSTEMS. Prerequisite: Minimum of 30 hours completed or GEO 138 or consent of the instructor.

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.

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.

311 POLITICAL GEOGRAPHY

3 sem. hrs.

An advanced course in the spatial dimensions of politics and political phenomena. Formerly GEO 208. Prerequisite: GEO 135 or 142 or consent of the instructor.

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. Prerequisites: GEO 202 or 203 and 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.

363 GIS APPLICATIONS IN GEOLOGY**3 sem. hrs.**

Introduction of geographic information systems applied to geology problems. Includes vector and raster analyses of geologic, environmental, and subsurface features. Prerequisites: GEO 203 required; at least one of the following is recommended: GEO 290, 296, 360, or 380.

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 General Courses.

**499A90 INDEPENDENT RESEARCH FOR THE
MASTER'S THESIS FINAL YEAR**

1-6 sem. hrs.

Refer to General Courses.

The following Geography, Geology, and the Environment 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 SOCIAL AND CULTURAL GEOGRAPHY

3 sem. hrs.

An advanced course on the topics, methods and theories of social and cultural geographers. Formerly CULTURAL GEOGRAPHY. Prerequisite: GEO 135 or 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:** Ross Kennedy**Master's Degree in History Programs Offered**

M.A./M.S. degrees, in history.

Program Requirements

A degree in history requires either a thesis or a non-thesis option.

Master of Arts: Completion of the degree requirements as well as 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.

Master of Science:**Option I—Thesis:** This 32 hour option requires:

- 4 hours: HIS 496
- 4-6 hours: HIS 499
- 22-24 hours of electives, a minimum of 20 additional hours at the 400 level

Option II—Field of Study: This 39 hour option requires:

- 4 hours: HIS 496
- 4 hours: HIS 497 Research in History or an equivalent research seminar
- 4 hours: HIS 490 Readings-Field of Study; the student will thoroughly explore a field of history under the supervision of a member of the department's faculty. The student's mastery will be assessed in a final examination. Students undertaking this option must receive no less than a grade of B in HIS 490
- 27 hours of electives, a minimum of 20 hours at the 400 level. HIS 497 can count toward the 20 hour minimum

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 U.S. history; Modern European history; Medieval or Ancient history; and global history including Latin America, the Middle East and the Far East. 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 U.S. history should take courses in European and global history, and vice-versa.

Students may take graduate courses in other related disciplines such as art history and visual culture; 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 provided 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 repeat for credit if the content is different. Prerequisites: HIS 101 or 102 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. Multiple enrollments allowed if the content is different. Prerequisites: HIS 135, 136 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.

370 CULTURES OF THE BRITISH EMPIRE IN THE INDIAN OCEAN WORLD**3 sem. hrs.**

The course aims to familiarize students with the global interconnectedness of British colonialism through the study of popular culture. Formerly CULTURES OF EMPIRE: THE BRITISH RAJ IN INDIA.

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. Multiple enrollments allowed 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. Multiple enrollments allowed if topic is different.

411 SEMINAR: TOPICS IN EARLY AMERICAN HISTORY**4 sem. hrs.**

Multiple enrollments allowed if content is different. Prerequisite: Graduate standing.

412 SEMINAR: TOPICS IN NINETEENTH-CENTURY UNITED STATES HISTORY**4 sem. hrs.**

Multiple enrollments allowed 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.**

Multiple enrollments allowed if content is different. Prerequisite: Graduate standing.

421 SEMINAR: TOPICS IN AMERICAN RACIAL AND ETHNIC HISTORY

4 sem. hrs.

Multiple enrollments allowed 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.

Multiple enrollments allowed 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.

Multiple enrollments allowed 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. Multiple enrollments allowed 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

1-9 sem. hrs.

Refer to General Courses. Supervised practical experience in a professional capacity in archives, business, government, historic preservation, historical archeology, historical editing, historical society or museum work. Professional practice hours cannot constitute more than 20 percent of the hours applied for degree completion. Prerequisites: Completion of 10 hours of graduate coursework, or consent of the graduate director; completion of application procedures. Graduate standing.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

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

1-3 sem. hrs.

Refer to General Courses.

LANGUAGES, LITERATURES, AND CULTURES (LAN)

114 Stevenson Hall, (309) 438-3604
LAN.IllinoisState.edu

Chairperson: Bruce Burningham

Programs Offered

MA Languages, Literatures, and Cultures and Graduate Certificate in Instructional Technology in World Languages

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. 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.

Program Requirements

This 33 hour program requires:

- 9 credit hours of core courses; select 3 courses from the following: LAN 405, 475 or 480, 485, 490
- 9 credit hours in the area of emphasis (French Literary and Cultural Studies; French Theoretical and Applied Linguistics; Spanish Literary and Cultural Studies; Spanish Theoretical and Applied Linguistics)
- 18 credit hours in the language of concentration (per multi-state teaching requirements); Select courses in French (includes 300 or 400 level courses labelled FRE) or Spanish (includes 300 or 400 level courses labeled SPA)
- sufficient electives to complete a minimum of 33 credit hours of coursework with an average 3.0 GPA
- all candidates must pass a comprehensive exam or complete a master's thesis (LAN 499)

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. 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.

With the approval of the graduate coordinator, electives may include up to 9 credits of 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).

Graduate Certificate in Instructional Technology in World Languages

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. Multiple enrollments allowed 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 or SPA 213 or GER 310. Grade of C or better in TCH 210 and TCH 216 or concurrent registration. Admission to Professional Studies. Intermediate high or above on 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 Experiences: 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. Intermediate high 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 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. Multiple enrollments allowed if content is different. Prerequisites: Two courses beyond FRE 116.

314 STUDIES IN CONTEMPORARY FRANCOPHON CULTURE

3 sem. hrs.

Introduction to Francophone cultures, primarily outside France, through the study of literary texts, film, and historiography. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different. Prerequisite: GER 211 or consent of the instructor.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different. Prerequisite: SPA 215 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed if content is different.

MATHEMATICS (MAT)

313 Stevenson Hall, (309) 438-8781

Math.IllinoisState.edu

Chairperson: George F. Seelinger

Programs Offered

Ph.D. in Mathematics Education; M.S. in Mathematics with sequences in Mathematics, Actuarial Science, Applied Statistics, Biomathematics; and Elementary and Middle School Mathematics Education. At the master's level, concentrations are available in secondary mathematics education, pure mathematics, computational mathematics, and applied mathematics. Concentrations are not listed on a student's transcript.

M.S. in Mathematics**Program Requirements**

Students must complete either Option I or Option II. Option I requires a culminating experience in the form of an approved master's project, comprehensive exam, or professional practice. Thesis Option II requires a master's thesis. Students may complete a sequence in Mathematics, Actuarial Science, Applied Statistics, Biomathematics or in Elementary and Middle School Mathematics Education. Students in the Biomathematics sequence must complete Option II. The culminating experience/thesis project must be approved in advance by the Department's master's program committee.

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. All electives are subject to approval by the department's graduate advisor.

Option I—Non-Thesis: This 32 hour option requires:

- 26 hours in mathematics; 16 hours at the 400 level, 12 hours of mathematics courses at the 400 level
- 3 hours: culminating experience in the form of MAT 490 or MAT 498
- Electives as needed to reach required credit minimum

Option II—Thesis : This 30 hour option requires:

- 24 hours in mathematics; 15 hours at the 400 level, 10 hours of mathematics courses at the 400 level
- Electives as needed to reach required credit minimum
- MAT 499 (4-6 hours)

Mathematics Sequence:

- 11 hours: MAT 336, 337, and 347
- 3 mathematics courses numbered 407 or above
- Options I or II

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.

Actuarial Science Sequence:

- 1 course selected from: MAT 336, 337, 347

- 12 hours: 3 courses selected from: MAT 355, 380, 381, 383, 384, 443, 480, or 483
- 3 mathematics courses numbered 407 or above
- Options I or II
- The Department reserves the right to enforce professional standards of practice as specified by the Society of Actuaries and the Casualty Actuarial Society. These standards may be taken into consideration in program retention decisions.

Applied Statistics Sequence:

- MAT 350, 351
- 1 course from: 336, 337, or 347
- 3 courses selected from: MAT 450, 453, 455, 456, or 458
- Options I or II

Biomathematics Sequence:

Persons seeking cross-disciplinary training in mathematics and biology may select this sequence. This 30 hour sequence requires:

- Thesis option II
- BioCore: MAT 340, 350, 351, 442; BSC 420A36 taken twice under different topics
- 12 hours from the School of Biological Sciences
- 13 hours at the 400 level from outside of the BioCore
- 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
 - Options I or II
 - 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, 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**Program Requirements**

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.

Two options are available K-9 or K-12.

104 Mathematics

The typical program is approximately 90 hours. Program requirements include:

- 6 hours of graduate mathematics content courses
- 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
- 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.

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.

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. Prerequisites: Grade of B or better in MAT 131 and 202.

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. Prerequisites: Grade of B or better in MAT 131 and 202.

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. Prerequisites: Grade of B or better in MAT 131 and 202.

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. 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.

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. 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.

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

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 SAS and SPSS programs to real data emphasizing regression, and analysis of variance. Prerequisites: Grade of C or better in MAT 351; some facility with matrices.

361 TOPICS IN DISCRETE MATHEMATICS**2-4 sem. hrs.**

Study of selected areas of discrete mathematics. Multiple enrollments allowed 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.**

Derivative securities and their 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 or 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. Pre-requisites: 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. Multiple enrollments allowed 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**1-3 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. Multiple enrollments are allowed; no more than 3 credit hours may count toward the 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 General Courses. Practical supervised work experience in mathematics. Credits do not count toward 400-level course requirements for the degree. Multiple enrollments allowed. A maximum of 4 credit hours count toward the degree.

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

Refer to 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.

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. Multiple enrollments allowed 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 General Courses. Research, library search, curriculum study, and writing related to Doctor of Philosophy dissertation requirement. Prerequisite: Approval of the Ph.D. director.

599A90 DISSERTATION FINAL TERM**1 sem. hr.**

Refer to General Courses.

PHILOSOPHY (PHI)

412 Stevenson Hall, (309) 438-7665

Philosophy.IllinoisState.edu

Interim Chairperson: Chris Horvath**Programs Offered**

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. Multiple enrollments allowed for credit if topic is different. Formerly TOPICS IN 20TH CENTURY PHILOSOPHY. Prerequisites: PHI 201 and 232 or consent of the instructor.

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, progress, universality, normativity, testability. Multiple enrollments allowed for credit if topic is different. Prerequisite: PHI 201 or consent of the instructor.

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. Multiple enrollments allowed for credit if topic is different. Formerly TOPICS IN PHILOSOPHY, SCIENCE, AND MIND. Prerequisite: PHI 201 or consent of the instructor.

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. Multiple enrollments allowed for credit if topic is different. Prerequisite: PHI 232 or consent of the instructor.

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. Multiple enrollments allowed for credit if topic is different. Prerequisite: PHI 232 or consent of the instructor.

340A01 TOPICS IN LEGAL AND POLITICAL PHILOSOPHY: GENDER, EQUALITY, AND THE STATE**3 sem. hrs.**

This course will examine gendered division of labor and what role government should or should not play; examine contemporary state of gendered labor; examine theoretical accounts of gender justice; and consider several proposals for political intervention to make society more gender just. Prerequisite: PHI 232 or consent of the instructor.

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, freewill/determinism. Multiple enrollments allowed for credit if topic is different. Contact the Department for availability of the following topics. Prerequisites: PHI 254 and 255 or consent of the instructor.

350A01 TOPICS IN THE HISTORY OF PHILOSOPHY: KANT**3 sem. hrs.**

This course is intended to provide students an opportunity for deeper study of the work of Immanuel Kant. The course will mainly concentrate on his work in metaphysics and epistemology on the one hand and moral theory on the other. Prerequisites: PHI 254 and 255 or consent of the instructor.

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. Prerequisites: PHI 254 and 255 or consent of the instructor.

350A14 TOPICS IN THE 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 the course will cover more deeply some of Plato's most important middle and later dialogues. Prerequisites: PHI 254 and 255 or consent of the instructor.

363 TOPICS IN METAPHYSICS AND EPISTEMOLOGY**3 sem. hrs.**

Detailed examination of selected issues in contemporary metaphysics and epistemology. Multiple enrollments allowed for credit if topic is different. Prerequisite: PHI 201 or consent of the instructor.

PHYSICS (PHY)**311 Moulton Hall, (309) 438-8756****PHY.IllinoisState.edu****Chairperson:** Daniel Holland.**Graduate Faculty:** Christensen, Grobe, Harris, Holland, Martin, Marx, Rosa, Rosenblatt, Rutherford, Su.**Programs Offered**

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 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.

480 SPECIAL TOPICS IN PHYSICS EDUCATION RESEARCH**3 sem. hrs.**

Investigation of the research literature surrounding specially selected topics in physics education and the implications of this research for teaching. Prerequisites: Enrollment requires experience in physics teaching and consent of the instructor.

POLITICS AND GOVERNMENT (POL)

401 Schroeder Hall, (309) 438-8638

POL.IllinoisState.edu

Chairperson: T. Y. Wang

Master's Degree in Political Science**Programs Offered**

M.A./M.S. with sequences in Applied Community and Economic Development, Global Politics and Cultures, or Public Service. Students may complete the M.A./M.S. degree in Political Science without a sequence.

Program Requirements

Students who do not elect a sequence complete the following 32 hour program:

- 3 hours: POL 496
- 3 hours: POL 497 or 461
- 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.)
- a thesis (a thesis, 4-6 hours POL 499) or comprehensive exam
- 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 3 hours of relevant graduate courses from other departments.

Applied Community and Economic Development Sequence

The Applied Community and Economic Development (ACED) sequence is designed for returned Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies. There are two options for degree completion.

Option I—Capstone: This 39 hour option requires:

- 6 hours POL 496, and POL 497 or 461
- 12 hours POL electives
- 3 hours of POL 495

ACED Core:

- 6 hours: POL/SOC 470, POL/SOC 477
- 2 hours: ECO/POL/SOC 478
- 2 hours: ECO 490A04
- 8 hours: POL 498A12 or 498A90 (The sequence ends with a required 11-month internship arranged through the Stevenson Center)

Option II—Thesis: This 35 hour option requires:

- 6 hours POL 496, and POL 497 or 461

- 9 hours POL electives

- 4 hours of POL 499

ACED Core:

- 6 hours: POL/SOC 470, POL/SOC 477
- 2 hours: ECO/POL/SOC 478
- 2 hours: ECO 490A04
- 6 hours: POL 498A12 or 498A90 (The sequence ends with a required 11-month internship arranged through the Stevenson Center)

With prior approval of the Graduate Coordinator, electives may include up to 3 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.

Option I—Thesis: Requirements are as follows:

- 9 hours of POL 496, POL 421, POL 431
- 3 hours of POL 497 or 461
- 12 hours selected from POL 313, 318, 323, 329, 330, 331, 332, 333, 334, 335, 411, 412, 421, 422, 432, 433, 498
- 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.)
- 4-6 hours of POL 499
- POL electives as needed to reach the total of 32 hours; With prior approval of Graduate Coordinator, electives may include up to 3 hours of relevant graduate courses from other departments.

Option II—Comprehensive Exam: Requirements are as follows:

- 9 hours of POL 496, POL 421, POL 431
- 3 hours of POL 497 or 461
- 12 hours selected from POL 313, 318, 323, 329, 330, 331, 332, 333, 334, 335, 411, 412, 421, 422, 432, 433, and 498;
- 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.)
- POL electives as needed to reach the total of 32 hours; With prior approval of Graduate Coordinator, electives may include up to 3 hours of relevant graduate courses from other departments.

- Pass a comprehensive exam

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.

Option I—Thesis: Requirements are as follows:

- 12 hours including POL 496, POL 441, POL 451, POL 417
- 3 hours of POL 461 or 497
- 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.)
- 4-6 hours of POL 499
- 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 3 hours of relevant graduate courses from other departments.

Option II—Comprehensive Exam: Requirements are as follows:

- 12 hours including POL 496, POL 441, POL 451, POL 417
- 3 hours of POL 461 or 497
- 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.)
- 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 3 hours of relevant graduate courses from other departments.
- Pass a comprehensive exam

Politics and Government Courses

305 TOPICS IN AMERICAN GOVERNMENT

3 sem. hrs.

Selected advanced topics covering specific topics in American Government. Multiple enrollments allowed 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.

324 TOPICS IN PUBLIC LAW

3 sem. hrs.

Selected topics focusing on specialized aspects of public law. Multiple enrollments allowed 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.

328 CONSTITUTIONAL LAW: SUPREME COURT DECISIONS IN THE 21ST CENTURY

3 sem. hrs.

Recent Supreme Court decisions involving right to bear arms, due process, equality, governmental functions, and powers, religion, and free expression. 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. Multiple enrollments allowed 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 YOUTH POLITICS**3 sem. hrs.**

Explores youth issues in politics, media, economic and education systems. Formerly PLAYGROUND TO POLITICS. Prerequisite: Completion of 60 hours or consent of the instructor. POL 161 recommended.

340 TOPICS IN LATIN AMERICAN POLITICS**3 sem. hrs.**

Selected topics focusing on specialized aspects of Latin American politics. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 nonviolence 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. Multiple enrollments allowed provided different material is covered, a seminar/topic.

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. Multiple enrollments allowed 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.**

Survey of major issues, forms and functions of government, politics, policymaking at the state and local levels in the U.S.

422 SEMINAR IN URBAN POLITICS**3 sem. hrs.**

Survey of the development of U.S. cities, focusing on major social and political issues and governmental responses and constraints.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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). Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed once if content is different.

463 SEMINAR IN DEMOCRATIC THEORY**3 sem. hrs.**

This course provides a broad introduction to contemporary democratic theory. Multiple enrollments allowed 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. Multiple enrollments allowed 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 POL498A12 or 498A90. Involves independent research on a substantive problem in community development associated with the student's professional practice experience. Prerequisite: POL 498A12 or 498A90 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 General Courses. Public service or community development internship.

498A11 PROFESSIONAL PRACTICE: PUBLIC SERVICE**1-9 sem. hrs.**

Refer to General Courses. Public service internship.

498A12 PROFESSIONAL PRACTICE: COMMUNITY DEVELOPMENT**1-9 sem. hrs.**

For graduate students enrolled in the Peace Corps/Applied Community and Economic Development Program. Community development internship. Refer to General Courses.

114 Politics and Government

**498A15 PROFESSIONAL PRACTICE: STEVENSON
CENTER ASSISTANTSHIP**

1 sem. hr.

Refer to General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

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

1 sem. hr.

Refer to General Courses.

PSYCHOLOGY (PSY)

435 DeGarmo Hall (309) 438-8651

Psychology.IllinoisState.edu

Chairperson: J. Scott Jordan**Programs Offered**

M.A./M.S. degrees in Clinical-Counseling Psychology; M.A./M.S. degrees in Psychology with sequences in Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, Quantitative Psychology; Specialist degree in School Psychology; and Ph.D. degree in School Psychology

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's Program (M.A./M.S.) Requirements

Students admitted to Psychology complete the master's degree in either Clinical-Counseling Psychology or Psychology, which includes one of the following sequences: Cognitive and Behavioral Sciences, Developmental Psychology, Industrial/Organizational-Social Psychology, or Quantitative Psychology. Students may petition the department, during their first semester, to complete requirements for two sequences simultaneously.

Clinical-Counseling Psychology Program

This program 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. Students who complete this program meet curricular requirements to sit for both the Illinois Licensed Clinical Professional Counselor and Licensed Professional Counselor Examinations.

Requirements for this 48 hour program include:

- 36 hours PSY 420, 421, 437, 438, 440, 451, 464, 465, 466, 467, 468, and 470
- 7 hours: PSY 436.02 (12-month practica)
- 4-6 hours: PSY 499, or 490 (3 hours) and 1 content elective course (3 hours) approved by the Clinical-Counseling Psychology coordinator; content elective course may not be PSY 400

Cognitive and Behavioral Sciences Sequence

Requirements for this 38 hour sequence include:

- 34 hours: PSY/BSC 400 (3 hours), 418, 427 (must be repeated for four semesters, required for first and second year students), 440, 441, 455, 462, 463, 480, and at least two elective courses (6 hours)
- 4-6 hours: PSY 499
- Students may also complete professional practice (PSY 498A04) for credit

Developmental Psychology Sequence

Requirements for this 36 hour sequence include:

- 16 hours: PSY 331A01, 428, (must be repeated for four semesters, required for first and second year students),

440, 452, 453

- 16 hours: elective courses based on the student's focus (applied or pre-doctoral)
- 4-6 hours: PSY 499
- Students may complete professional practice (PSY 498.02) for credit

Industrial/Organizational-Social Psychology Sequence

Requirements for this 41 hour sequence include:

- 19 hours: PSY 375, 376, 418 or 420, 426 (must be repeated for four semesters, required for first and second year students), 431, 440
- 9 hours: PSY 441, 442, 443, 444, or 445
- 9 hours: elective courses approved by the Industrial/Organizational-Social Psychology coordinator based on the student's focus (Industrial/Organizational Psychology or Social Psychology)
- 4-6 hours: PSY 499
- Students may also complete Professional Practice (PSY 498A01) for credit

Quantitative Psychology Sequence

Requirements for this 32 hour sequence include:

- 22 hours: PSY 425 (must be repeated for four semesters, required for first and second year students), PSY 440, 441, 442, 443, 444, 445
- 6 hours: PSY elective courses at the 400 level excluding PSY 400, 426, 427, 428, 491 498
- 4-6 hours: PSY 499
- Students may also complete Professional Practice (PSY 498) for credit

Specialist in School Psychology (S.S.P.) Program Requirements

This program is approved by the National Association of School Psychologists the Council for the Accreditation of Teacher Education and the Illinois State Board of Education. Graduates of the specialist program are eligible to sit for the state and national certification examinations for school psychologists.

Specialist in School Psychology

Requirements for this 62 hour Program include:

- 53-56 hours: PSY 347 (or equivalent, if not taken as an undergraduate), 421, 432, 433, 435, 436A04 (6 hours), 436A05 (6 hours), 452, 463, 472, 473, 474, 498A05 (4 hours), EAF 410, SED 422 and 593 (1 hour), TCH 407, PSY 498 (2-4 hours)
- 4-6 hours: PSY 402 (4 hours) or 499 (4-6 hours)

Doctor of Philosophy in School Psychology Program (Ph.D.) Requirements

This program is 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, the Council for the Accreditation of Educator Preparation, and the Illinois State Board of Education. Graduates of the doctoral program, with the required post-doctoral experience, are eligible for the state licensing examination for clinical psychologists, and the state and national certification examinations for school psychologists.

Requirements for this 107 hour program include:

- 76 hours: PSY 320, 418, 420, 421, 431, 432, 433, 435, 436A04 (6 hours), 436A05 (6 hours), 440, 451 (or EAF 526A03 or TCH 409), 452, 463, 472, 473, 474, 498A04 (4 hours), 536, 547, 590 (6 hours), 598 (3 hours)
- 15+ hours: PSY599
- 12 hours: PSY elective courses (6 hours) and research elective courses (6 hours)
- 4-6 hours: PSY 499, or 502 (6 hours) and 503 (6 hours)
- 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 Psychology while they are completing their doctorate by completing a minimum of 32 hours. Requirements include PSY 418, 420, 421, 432, 433, 452, 472, 473, 474 and 499 (4-6 hours)

Additional Training Options: Certificates

Graduate Certificate in Women's and Gender Studies

This certificate 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

This certificate 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 Communication Sciences and Disorders, Family and Consumer Sciences, Health Sciences, Psychology, 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 person-ality 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. Multiple enrollments allowed 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 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed for a maximum of 12 hours. Prerequisite: Must be graduate student in the second year of Clinical-Counseling Psychology program.

436A04 PRACTICUM: 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. Multiple enrollments allowed for a maximum of 12 hours.

436A05 PRACTICUM: 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. Multiple enrollments allowed 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 LINEAR 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. Multiple enrollments allowed 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: Grad-uate 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. Multiple enrollments allowed 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.

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.

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. Multiple enrollments allowed 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. Multiple enrollments allowed for a maximum of 9 hours. Prerequisites: Graduate standing in Psychology and consent of the program coordinator.

498 PROFESSIONAL PRACTICE**1-9 sem. hrs.**

Refer to 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.

Multiple enrollments allowed. Prerequisite: Consent of the program or sequence coordinator.

498A01 INTERNSHIP IN INDUSTRIAL AND ORGANIZATIONAL-SOCIAL**1-6 sem. hrs.**

Multiple enrollments allowed. Prerequisite: Consent of the program or sequence coordinator.

498A02 PROFESSIONAL PRACTICE IN DEVELOPMENTAL PSYCHOLOGY**1-6 sem. hrs.**

Multiple enrollments allowed. Prerequisite: Consent of the program or sequence coordinator.

498A05 FIRST YEAR FIELDWORK IN SCHOOL PSYCHOLOGY**2 sem. hrs.**

Multiple enrollments are allowed for a maximum of 4 hours. Prerequisite: Consent of the program or sequence coordinator.

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

Refer to 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 General Courses. Departmental approval of thesis topic and chair required.

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

Refer to 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. Multiple enrollments allowed; 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.**

Multiple enrollments allowed; maximum of 15 hours. Prerequisite: Graduate standing in the School Psychology doctoral program.

590A02 ADVANCED PRACTICUM ASSESSMENT**1-3 sem. hrs.**

Multiple enrollments allowed; 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.**

Multiple enrollments allowed; 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.**

Multiple enrollments allowed; 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.

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.

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**Programs Offered**

M.S.W. in Social Work with sequences in Child and Family Practice, School Social Work, and Gerontology Practice. Collaboration with Department of Sociology and Anthropology for a certificate in the Social Aspects of Aging and the Women's and Gender Studies Program for a graduate certificate.

Accredited by the Council on Social Work Education.

A 60-hour, two-year program for fulltime 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.

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.

Child and Family Practice Sequence:

Required courses include:

- 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
- 24 hours: SWK 445, 448, 450, 454, 456, 457, 491, 492, 498A03 and 498A04
- 6 hours of elective courses approved by the departmental advisor

School of Social Work Sequence:

Required courses include:

- 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
- SED 411
- 24 hours: SWK 445, 448, 450, 454, 461, 463, 491, 492, 498A03, and 498A04
- 3 hours of elective courses approved by the departmental advisor

Gerontology Practice Sequence:

Required courses:

- 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
- 27 hours: SWK 445, 448, 450, 456, 457, 479, 491, 492, 498A03, 498A04, SOC/SWK 411
- 3 hours of elective courses approved by the departmental advisor

Elective courses: 3-6 hours from SWK 323, 324, 400, 411, 455, 458, 462, 479, 480, 481, and 482, 486, or substitute graduate coursework in another department, approved by the Director of MSW 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

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, 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 and their families. Recommended before SWK 398A10 if student wishes placement in a child and family service agency. SWK 222 is recommended.

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, majors only 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. Multiple enrollments allowed for a maximum of 6 hours. Prerequisite: Consent of the instructor.

400 INDEPENDENT STUDY

1-3 sem. hrs.

Refer to 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. Multiple enrollments allowed. 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.

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.

464 SOCIAL WORK PRACTICE WITH MILITARY VETERANS AND FAMILIES**3 sem. hrs.**

Course will examine social work practice with military veterans and families within military systems and culture. Prerequisite: Graduate standing.

465 ADVANCED SOCIAL WORK PRACTICE IN INTEGRATED BEHAVIORAL HEALTH CARE**3 sem. hrs.**

Theoretical foundations and practice methodologies for advanced practice in interdisciplinary primary health care settings. Prerequisite: 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 practica. (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.

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: Joan Brehm

Programs Offered

M.A. and M.S. degrees in Sociology, M.A. and M.S. degrees in Anthropology, and the Graduate Certificate in Social Aspects of Aging.

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.

Sociology Program Requirements

The M.A./M.S. degree in Sociology requires a thesis. Additional requirements for this 38 hour degree include:

- 13 hours: SOC 440, 466, 471, 472, 493A01
- 9 hours: Sociology courses at the 400 level, excluding SOC 400, 473, 498, readings
- 4 hours: SOC 499 (master's thesis)

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.

Applied Community and Economic Development Sequence—Sociology:

The Applied Community and Economic Development (ACED) sequence is designed for returned Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies. This 38 hour sequence requires:

- 13 hours: Sociology Required Core: SOC 440, 466, 471, 472 and 493A01 (1 hour)
- 3 hours: SOC 461 or other 400-level
- 3 hours: SOC 400-level substantive seminar
- 15 hours: ACED core ECO 490A04, POL/SOC 470, POL/SOC 477, ECO/POL/SOC 478, and 5 hours of 498 or 498A90 (The sequence ends with a required 11-month internship arranged through the Stevenson Center.)
- A master's thesis or a capstone project, with guidance from Sociology faculty. Four hours thesis (SOC 499) or capstone (SOC 497)

Anthropology Program Requirements

The M.A. and M.S. degrees in Anthropology offer five 33 hour concentrations including Biological Anthropology, Cultural Anthropology, Historical Archaeology, Japanese Studies, and Prehistoric Archaeology. 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 require at least 18 hours of coursework (at least 50% of the non-thesis hours) at the 400 level in anthropology or approved courses in related disciplines.

Specific course requirements include:

Biological Anthropology:

- 18 hours: ANT 350, 371 or 372, 386, 460, 498 (6 hours)
- 9 hours: electives at the 400 level
- 6 hours: ANT 499

Cultural Anthropology:

- 9 hours: ANT 302, 380, 460
- 12 hours of electives including 9 hours at the 400 level
- 6 hours: of a cultural/linguistic elective (at least 3 hours at the 400 level)
- 6 hours: ANT 499 (or 497 for ACED sequence only)

Historical Archaeology:

- 18 hours: ANT 386, 392, 460, 481 (6 hours), 488
- 9 hours: of electives including at least 6 hours at the 400 level
- 6 hours: ANT 499 (or 497 for ACED sequence only)

Japanese Studies:

- 15 hours: ANT 302, 307, 308, 380, 460
- 12 hours: at the 400 level
- 6 hours: ANT 499 (or 497 for ACED sequence only)

Prehistoric Archaeology:

- 18 hours: ANT 301, 386, 460, 481 (6 hours), 488
- 9 hours: of electives, including 3 hours at the 400 level
- 6 hours: ANT 499 (or 497 for ACED sequence only)

Applied Community and Economic Development Sequence—Anthropology:

The Applied Community and Economic Development (ACED) sequence is designed for returned Peace Corps Volunteers and students with equivalent domestic or international experience with other agencies. This 37 hour sequence requires:

- 9 hours: ANT 302, 380, and 460
- 6-8 hours: electives
- 6 hours: ANT 497 (6 hours) or 499 (6 hours)
- 16 hour ACED core: ECO 490A04 (2 hours), POL/SOC 470 (3 hours), POL/SOC 477 (3 hours), ECO/POL/SOC 478 (2 hours), and 6 hours of ANT 498 or 498A90 (The sequence ends with a required 11-month internship arranged through the Stevenson Center.)

Graduate Certificate in Anthropology Geographic Information Systems (GIS) Graduate Certificate

This certificate provides the specialized education and training that students need to understand GIS methodology and technology as applied field of study and data management. This certificate is intended to prepare graduates to meet the growing demand for GIS skills in academic research and other

employment.

To earn the certificate students must complete the following:

- 10 hours: GEO 303, 304 and 305

Graduate Certificate in Social Aspects of Aging

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.

Certificate Requirements

Requirements for this 12 hour certificate include:

- SOC 411 Seminar in Gerontology (3 hours), to be taken after at least 6 hours of the other elective courses have been completed
- 9 hours of electives from among the gerontology related courses: HSC/FCS 394, PSY 303, COM 331, FCS 305, SOC 310

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.

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. Multiple enrollments allowed 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.

Examines the structure of social interaction in everyday and institutional contexts, and its role in the organization of social life, identities, and institutions. Also offered as SOC 338. Prerequisite: A minimum of 75 hours completed or consent of the instructor.

341 THE SOCIOLOGY OF GENDER

3 sem. hrs.

Explores the concepts, theories, and methods sociologists utilize to explain gendered differences in social relations and life changes. Examines individual, interactional, institutional and social change processes. Prerequisites: A minimum of 75 hours completed 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.

372 SPECIAL TOPICS IN SOCIOLOGY**3 sem. hrs.**

This course addresses current topics of sociological interest. Multiple enrollments allowed if content is different; maximum of 9 hours. Prerequisite: SOC 106 or consent of the instructor.

375 ECONOMIC SOCIOLOGY**3 sem. hrs.**

Explores how economic behavior is embedded in social structure (including political and cultural practices), and how economies are embedded in societies. Prerequisites: A minimum of 75 hours completed or consent of the instructor. SOC 106 or 108 is recommended.

400 INDEPENDENT STUDY**1-6 sem. hrs.**

Refer to 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. Multiple enrollments allowed. 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.

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.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 General Courses. Prerequisites: Completion of 18 hours in the Sociology master's program.

498A15 PROFESSIONAL PRACTICE: STEVENSON CENTER ASSISTANTSHIP**1 sem. hr.**

Refer to General Courses. Prerequisites: Completion of 18 hours in the Sociology master's program.

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

Refer to General Courses.

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

Refer to 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.**

Examines the structure of social interaction in everyday and institutional contexts, and its role in the organization of social life, identities, and institutions. Also offered as SOC 338. Prerequisite: A minimum of 75 hours completed 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.

351 MIDWESTERN ARCHAEOLOGY**3 sem. hrs.**

Native American cultures of the Midwest from the Pleistocene to European contact. Broader issues of archaeological method and theory examined. Prerequisite: ANT 274 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.

378 EVOLUTION AND HUMAN BIOLOGICAL DIVERSITY**3 sem. hrs.**

Study of the biological differences between human populations and the meaning of 'race' as it relates to modern human genetic diversity. Alternates with ANT 393. Formerly HUMAN VARIATION AND ADAPTATION. Prerequisites: ANT 102; a minimum of 45 hours completed or consent of the instructor.

379 SYMBOLS IN AMERICAN CULTURE**3 sem. hrs.**

Introduction to semiotics and symbolic anthropology using the United States as a case study. Prerequisite: A minimum of 75 hours completed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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.

130 Sociology and Anthropology

400 INDEPENDENT STUDY

1-4 sem. hrs.

Refer to 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.

461 SOCIAL THEORY

3 sem. hrs.

Overview of social theory in contemporary socio-cultural anthropology. Prerequisite: Graduate standing or consent of the instructor.

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.

497 CAPSTONE RESEARCH IN APPLIED COMMUNITY AND ECONOMIC DEVELOPMENT

6 sem. hrs.

Capstone research utilizing knowledge gained from the master's program to address substantive issues encountered during the professional practice experience. Prerequisites: ANT 302, 380, 460.

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 General Courses. Formerly PROFESSIONAL PRACTICE IN ARCHAEOLOGY. Prerequisite: Completion of 12 hours in the Anthropology master's program.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

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

1 sem. hr.

Refer to General Courses.

WOMEN'S AND GENDER STUDIES (WGS)

237 Rachel Cooper, (309) 438-2947

WGS.IllinoisState.edu

Email: WGStudies@IllinoisState.edu

Director: Alison Bailey

Program Offered**Graduate Certificate in Women's and Gender Studies****Program Requirements**

This 12 hour certificate requires:

- WGS 490 or ENG 460
 - 9 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.

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. Multiple enrollments allowed; 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 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. Multiple enrollments allowed 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 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.

Dean: Ajay Samant

Associate Dean for MBA and Undergraduate

Programs: Tim Longfellow

Associate Dean for Accreditation and

Operations: Deborah Lindberg

401 State Farm Hall of Business

Business.IllinoisState.edu

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

Program Offered

The Master of Business Administration (M.B.A.)

Program Requirements

The M.B.A. 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 Pre-MBA Program 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.

Students who have not taken college algebra, economics, accounting, finance, and/or statistics within the past five years are strongly encouraged to take the Pre-MBA Program courses as a refresher prior to their first core course.

Students with a non-business undergraduate degree should expect to complete some or all of the following Pre-MBA Program courses online.

- Fundamentals of Economics
- Financial Accounting
- Managerial Accounting
- Principles of Management
- Principles of Marketing
- Business Math and Statistics
- Understanding Corporate Finance
- Business Law Essentials

In addition to any Pre-MBA Program courses required, some or all of which may be waived based on an individual's previous academic work, all M.B.A. candidates must complete 42 semester hours including:

- 12 hour beginning skill core courses: MBA 411, 412, 416, 468
- 15 hour central core courses: MBA 421, 427, 430, 440, 450; 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.
- 3 hour capstone course: MBA 485
- 12 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 Business Analytics, Financial Management; Human Resource Management; Risk Management, Marketing Management; Organizational Leadership, Project 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

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 M.B.A. 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. 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 (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 Courses

411 FUNDAMENTALS OF STRATEGIC DECISION MAKING

3 sem. hrs.

Understanding how firms gain and sustain competitive advantage. Topics include analyzing markets and developing company strategy across business disciplines.

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: Principles of Management. Principles of Marketing. Open to MBA students only.

416 APPLIED TOOLS FOR BUSINESS DECISION MAKING**3 sem. hrs.**

Introduction to quantitative tools used in business decision making. Students are introduced to research design, statistics, data analytics, and data visualization. Prerequisite: Business Math and Statistics or equivalent.

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. Formerly MQM 421. Prerequisite: Principles of Management or equivalent.

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. Formerly MQM 427. Prerequisite: Business Math and Statistics or equivalent.

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. Formerly MKT 430. Prerequisites: Principles of Marketing, Business Math and Statistics or equivalents.

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. Formerly FIL 440. Prerequisites: Business Math and Statistics—Graduate and Understanding Corporate Finance or equivalents.

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. Formerly ACC 450. Prerequisite: Financial Accounting and Managerial Accounting 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. Formerly ACC 468. Prerequisite: Demonstrated competency in microcomputer tools or consent of the department chairperson.

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. Formerly MQM 485. Prerequisites: MBA 421, 430, 440, and MBA 427 which may be taken concurrently with MBA 485.

ACCOUNTING (ACC)**301 State Farm Hall of Business****(309) 438-7651****Business.IllinoisState.edu****Chairperson:** Deborah Seifert**Programs Offered**

M.S. in Accountancy, Integrated B.S./M.P.A. in Accountancy

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**Program Requirements**

This 30 hour degree requires:

- A comprehensive examination administered near the end of the final semester of course study
- 9 hours: ACC 430, 497 and either MBA 468 or ACC 471
- 6 hours of 400-Level accounting electives chosen from ACC 431, 434, 435, 437, and 439
- 3-12 hours: ACC: 300- or 400-level graduate accounting courses
- 3-12 hours: BE, FIL, MBA, MQM or MKT: 300-400-level graduate courses
- 6 hours must be taken outside the accounting discipline (ACC 471 and MBA 468 count as hours outside the accounting discipline, if not already counted towards the core requirement).

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.

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.)**Program Requirements**

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.

Core courses: Students selecting either sequence must complete the following:

- Undergraduate: BUS 100; ACC 131, 132, 230, 231, 232, 233, 235, 260, 261, 263, 270, 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)
- Graduate: ACC 430, 497, and either ACC 471 or 482.

Accountancy and Information Systems Sequence:

In addition to core courses, students must complete 24 hours as follows:

Undergraduate:

- 3 hours: ACC 368

Graduate:

- 9 hours: BIS electives chosen from ACC 353, 366, 462, 471 or MBA 468
- 6 hours: 400-level accounting electives chosen from ACC 431, 434, 435, 437, 439, 498
- 6 hours: accounting or 400-level business electives (includes ACC 471 and 482 if not already counted toward the core requirement).

Professional Accountancy Sequence:

In addition to core courses, students must complete 24 hours of accounting and business electives (21 graduate and 3 undergraduate):

Undergraduate:

- 3 hours: 300-level accounting electives chosen from ACC 330, 334, 336, 337, 340, 353, 398

Graduate:

- 6 hours: 400-level accounting electives chosen from ACC 431, 434, 435, 437, 439, 498
- 12 hours: 300- or 400-level accounting courses
- 3 hours: 400-level business electives chosen from outside the accounting discipline (includes ACC 471 and 482 if not already counted toward the core requirement)
- 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.

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 MBA 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.

353 FORENSIC ANALYTICS

3 sem. hrs.

Advanced course with emphasis on computer-assisted analytical techniques for investigating fraud in auditing and accounting. Materials charge optional. Prerequisites: ACC 263; Accounting and Business Information Systems majors only.

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 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.

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 MBA 450 and MBA 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.

462 IS PROJECT MANAGEMENT AND CONSULTING

3 sem. hrs.

This course will enable students to become aware, comprehend and explore information systems project management and management consulting.

471 ADVANCED BUSINESS ANALYTICS

3 sem. hrs.

This course will enable students to comprehend, explore and manage emerging issues confronting the field of advanced business analytics.

482 INFORMATION SYSTEMS AUDITING AND CYBERSECURITY

3 sem. hrs.

Integration of key business information systems concepts necessary for IT auditing and cybersecurity. Significant use of case and written reports. Formerly BUSINESS INFORMATION SYSTEMS AUDITING AND CONSULTING. Prerequisites: ACC 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 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

Interim Chairperson: Joaquin Castelo Domingo

Programs Offered

Description and requirements for the Master of Business Administration degree are listed in the College of Business section.

Finance, Insurance and Law Courses**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. Multiple enrollments allowed for credit with consent of the department. Prerequisite: Consent of the department chair.

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: MBA 440.

445 ADVANCED CORPORATE FINANCE

3 sem. hrs.

Major issues in corporate finance focusing on applications of finance theories to real business problems. Prerequisites: MBA 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: MBA 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: MBA 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. Multiple enrollments allowed if content is different (see following topics). Prerequisite: MBA 440 or consent of the instructor.

454A02 SEMINAR IN INSURANCE: FINANCIAL PLANNING

1-4 sem. hrs.

Prerequisite: MBA 440 or consent of the instructor.

454A08 SEMINAR IN INSURANCE: RISK MANAGEMENT

1-4 sem. hrs.

Prerequisite: MBA 440 or consent of the instructor.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

MANAGEMENT AND QUANTITATIVE METHODS (MQM)

250 State Farm Hall of Business
Business.IllinoisState.edu

Interim Chairperson: Roberta Trites

Description and requirements for the Master of Business Administration degree are listed under the College of Business.

Program Offered

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 rrringer@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. Pre-requisite: Grade of C or better in MQM 220; 75 credit hours completed or graduate student status.

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. Pre-requisite: Grade of C or better in MQM 220; 75 credit hours completed or graduate student status.

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; 75 credit hours completed or graduate student status.

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. Pre-requisite: Grade of C or better in MQM 221 or concurrent registration.; 75 credit hours completed or graduate student status.

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: MBA 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: MBA 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: MBA 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: MBA 421.

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: MBA 421.

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: MBA 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.

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 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; MBA 421 or equivalent; and consent of the department chairperson.

498A01 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE EDUCATION IN INTERNATIONAL BUSINESS**1-3 sem. hrs.**

Refer to 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; MBA 421 or equivalent; and consent of the department chairperson.

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

Refer to General Courses.

MARKETING (MKT)

352 State Farm Hall of Business
(309) 438-7261
Business.IllinoisState.edu

Interim Chairperson: Horace Melton.

Description and requirements for the Master of Business Administration degree are listed in the College of Business section.

The Department of Marketing staffs and offers graduate courses in Marketing and in Business Education.

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. Multiple enrollments allowed once if a different topic and different instructor. Prerequisites: MKT 231, 232, or consent of the department chairperson.

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: MBA 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: MBA 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: MBA 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: MBA 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. Multiple enrollments allowed if topic is different (see following topics). Some topics may have an optional materials charge. Prerequisite: MBA 430 or equivalent.

439A06 SEMINAR IN PRODUCT DEVELOPMENT MANAGEMENT

3 sem. hrs.

Prerequisite: MBA 430 or equivalent.

439A15 NEW PRODUCT DESIGN AND DEVELOPMENT

3 sem. hrs.

Prerequisite: MBA 430 or equivalent.

440 BRAND MANAGEMENT AND ANALYTICS

3 sem. hrs.

Based on the latest analytics techniques, this course offers advanced knowledge and practical skills for making day-to-day and long-term brand-related decisions. Prerequisite: MBA 416.

445 ADVANCED MARKETING ANALYTICS

3 sem. hrs.

Introduces marketing analytic methods and statistical software skills to extract meaningful information from big data sets for business decision-making and strategic marketing management. Prerequisite: MBA 416.

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; Principles of Marketing or equivalent and MBA 430; cumulative graduate GPA of 3.2 or higher; consent of the department chairperson.

499 MASTERS THESIS

1-6 sem. hrs.

Refer to 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.

454 EDUCATIONAL TECHNOLOGY INFORMATION SYSTEMS: PLANNING AND IMPLEMENTATION**3 sem. hrs.**

Understanding the role of information technology systems in educational settings. Prerequisites: BE 225 and MQM 220 with a grade of C or better or consent of the instructor.

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.

Interim Dean: Kevin Laudner

Associate Deans: Christy Border and Barbara Meyer

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 Licensure Processes (CELP) 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: Troy Hinkle.

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 CELP 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.

Programs Offered

M.S. in College Student Personnel Administration; M.S., and M.S.Ed. in Educational Administration with sequences in Principal and Teacher Leader; Ed.D., and Ph.D. in Educational Administration with concentrations in Higher Education and P-12 Administration.

Certificates

Post-Baccalaureate Teacher Leader Certificate, Post-Master's Graduate Certificate for Superintendent Endorsement in Educational Administration, Post-Master's Graduate Certificate for Chief School Business Official.

College Student Personnel Administration Program Requirements

The CSPA Master of Science degree offers three options:

Option I—Capstone Seminar: This 42 hour option requires:

- 36 hours: EAF 410, 428A01, 461, 462, 463, 464, 466 (taken twice), 467, 473, 482A01, and 484
- 6 hours: electives

Option II—Comprehensive Exam: This 36 hour option requires:

- 30 hours: EAF 410, 428A01, 461, 462, 463, 464, 466, 467, 473, and 484
- 6 hours: electives

Option III—Thesis: This 39 hour option requires:

- 30 hours: EAF 410, 428A01, 461, 462, 463, 464, 466, 467, 473, and 484
- 0-2 hours: electives
- 4-6 hours EAF 499
- Successfully defend a thesis

Principal Sequence (M.S. & M.S.Ed.)

This 36 hour sequence requires:

- 30 hours: EAF 430, 431, 432, 433, 434, 435, 436, 437, 438, 439
- 6 hours: 498
- 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 (M.S. & M.S.Ed.)

This 33 hour sequence requires:

- 27 hours: EAF 418, 419, 420, 431, 435, 437; SED 454; TCH 473, 478
- 6 hours: A two-semester action research project and capstone course including EAF 415 and EAF 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 & 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 Program Requirements

Two doctoral concentrations are offered including: Higher Education and P-12 Administration.

P-12 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). Concentrations are not listed on transcript. Suggested coursework follows:

Ph.D. Higher Education Concentration

This 75 hour concentration requires:

- 15 hour PhD core: EAF 415, 509, 582, 583, 594
- 6 hours: selected from EAF 521, 523, 525, 526
- 15 hours: selected from EAF 468, 469, 493, 561, 564, 570, 578
- 12 hours: selected from EAF 411, 510, 511, 512, 513, 515
- 12 hours: electives
- 15 hours: EAF 599, dissertation research
- A doctoral examination
- Other university requirements for these degrees are listed elsewhere in this catalog.

Students also seeking Superintendent Endorsement should select all of the following courses:

- EAF 508, 548, 576, 575, 579, 580, 584, 585, 586, 587, 596, 598 (6 hours)

Ed.D Higher Education Concentration

This 75 hour concentration requires:

- 42 hours: EAF 415, 468, 469, 509, 510, 521, 561, 564, 570, 578, 582, 583, 598 (6 hours)
- 3 hours: EAF 594
- 15 hours: electives selected from EAF 411, 511, 512, 513, 515
- 15 hours: EAF 599, dissertation research
- A doctoral examination
- Other university requirements for these degrees are listed elsewhere in this catalog.

144 Educational Administration and Foundations

Ph.D. P-12 Administration Concentration

This 75 hour concentration requires:

- 15 hour PhD core: EAF 415, 509, 582, 583, 594
- 6 hours: selected from EAF 521, 523, 524, 525, 526
- 15-18 hours: EAF 508, 548, 575, 576, 579, 580, 584, 585, 586, 587, 596, 598 (6 hours)
- 12 hours: selected from EAF 411, 510, 511, 512, 513, 515
- 15 hours: EAF 599, dissertation research
- A doctoral examination
- Other university requirements for these degrees are listed elsewhere in this catalog.

Students also seeking Superintendent Endorsement should select 5 of the following courses:

- EAF 548, 576, 575, 579, 580, 584, 585, 586, 587, 596, 598 (6 hours)

Ed.D. CPED P-12 Concentration

The Department of Educational Administration and Foundations is a Phase III member of the Carnegie Project on the Education Doctorate (CPED) which seeks to build sustainability and capacity in education leaders by integrating school improvement research into training for aspiring P-12 leaders.

This 75 hour concentration requires:

- 21 hours: EAF 415, 508, 510, 521, 582, 583, 590, 594
- 27 hours: EAF 548, 576, 580, 584, 585, 586, 587, 598 (6 hours)
- 3 hours: selected from: EAF 411, 511, 512, 513, 515
- 9 hours: electives selected from EAF 473, 484, 500 (1-3 hours), 523, 524, 525, 526, 563, 575, 579, 596
- 15 hours: EAF 599, dissertation research
- A doctoral examination
- Other university requirements for these degrees are listed elsewhere in this catalog.

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.

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

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.

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.

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. Multiple enrollments allowed. 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.

498 PROFESSIONAL PRACTICE**1-3 sem. hrs.**

Refer to General Courses. Administrative experiences in educational settings that are planned and guided by university and educational organization personnel. Multiple enrollments allowed.

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

Refer to 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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.

526A04 CRITICAL RACE THEORY IN EDUCATION**3 sem. hrs.**

Exploration of Critical Race Theory as an analytical framework that provides race-based epistemological, methodological, and pedagogical approaches to the study of everyday inequalities in P-20 education. The primary focus is to facilitate student understanding of CRT as a theoretical framework in the examination of its utility and limitations, and consider its application in student's research and practice in higher education.

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. Multiple enrollments allowed 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. Multiple enrollments allowed.

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. Multiple enrollments allowed.

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.

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 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.

599A90 DISSERTATION RESEARCH FINAL TERM

1 sem. hr.

Refer to General Courses.

SPECIAL EDUCATION (SED)

533 DeGarmo Hall, (309) 438-8980

Education.IllinoisState.edu/SED

Chairperson: Stacey R. Jones Bock
Programs Offered

M.S., M.S.Ed., Ed.D., in Special Education and Post-Master's Graduate Certificate for Director of Special Education.

Certificates offered: Behavior Intervention Specialist, Curriculum Adaptation Specialist, Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Specialization Certificate, Early Intervention Vision Specialist, Multiple Disability Specialist, Technology Specialist, Transition Specialist.

Master of Science Program Requirements

This 39 hour degree requires:

- 24 hours: 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.
- 6 hours: 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.
- 9 hours: 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**Program Requirements**

The Master of Science in Education degree is intended for teachers with prior general education licensure who are currently teaching with a special education caseload or are seeking special education endorsement. This 39 hour degree requires:

- 30 hours: 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.
- 6 hours: 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.
- 3 hours: 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.

Post-Master's Graduate Certificate for Director of Special Education Program Requirements

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.

This 25 hour post-master's graduate certificate requires:

- 19 hours: SED 447, 502, 513, 517, 540, 579, 593A03
- 6 hours: 598A03
- Depending on coursework completed at the Master's level, the student may need to complete SED 422 or an equivalent to meet Illinois State Board of Education professional license endorsement requirements.

Doctoral Program Requirements

All doctoral candidates must complete a minimum of 75 semester hours to include:

- 23 hours of core course work: EAF 415, 508 or 509, 510; SED 501, 502, 512, 513, 540
- 22 hours of specialized course work consisting of: SED 514, 515, 522, 579, 591, 594, 598A01, 598A02
- 15 hours of electives
- 15 hours of dissertation work resulting in an approved dissertation

Graduate Certificate Programs in Special Education

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.

Program completers in the Behavior Intervention, Curriculum Adaptation, Multiple Disabilities, Technology, or Transition graduate certificate programs who pass a state certification examination may also receive an advanced teaching endorsement from the Illinois State Board of Education.

Behavior Intervention Specialist:

Certificate requirements include:

- Prerequisites: SED 101, 145, or 411 or equivalent survey course
- 15 hours: SED 410, 448, 449, 452, and 454. SED 410, 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 if not currently teaching in a setting that allows for application of these skills.

150 Special Education

Curriculum Adaptation Specialist:

Certificate requirements include:

- Prerequisites: SED 101, 145, or 411 or equivalent survey course
- 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 if not currently teaching in a setting that allows for application of these skills.

Deaf and Hard of Hearing Listening and Spoken Language Professional Graduate Specialization Certificate:

Certificate requirements include:

- Prerequisites: SED 101, 145, or 411 or equivalent survey course
- 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.

Early Intervention Vision Specialist:

This 15 hour certificate requires:

- SED 414, 415, 416, 417; and 498A02 Professional Practice

Multiple Disabilities Specialist:

Certificate requirements include:

- Prerequisites: SED 101, 145, or 411 or equivalent survey course
- A minimum of one year or current experience teaching students with severe or multiple disabilities
- 15 hours: 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.

Technology Specialist:*

Certificate requirements include:

- Prerequisites: SED 101, 145, or 411 or equivalent survey course
- 9 hours: 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.

Transition Specialist:

Certificate requirements include:

- Prerequisite: SED 101, 145, or 411 or equivalent survey course
- 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.

*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 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 101, 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. Field observations and individually supervised home-based and clinic experiences working with infants and toddlers with visual impairment/blindness/deafblindness may also be required. Prerequisites: Admission to Graduate Certification Program Early Intervention Vision Specialist.

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. Field observations and individually supervised home-based and clinic experiences working with infants and toddlers with visual impairment/blindness/deafblindness may also be required. 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. Field observations and individually supervised home-

based and clinic experiences working with infants and toddlers with visual impairment/blindness/deafblindness may also be required. 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. Field observations and individually supervised home-based and clinic experiences working with infants and toddlers with visual impairment/blindness/deafblindness may also be required. 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.

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**1-9 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 General Courses.

498A01 PROFESSIONAL PRACTICE: DEAF/HARD OF HEARING**1-9 sem. hrs.**

Multiple enrollments allowed. Refer to General Courses.

498A02 PROFESSIONAL PRACTICE: EARLY INTERVENTION VISION SPECIALIST**1-9 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. Multiple enrollments allowed. Prerequisites: SED 414, 415.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

500 INDEPENDENT STUDY

1-4 sem. hrs.

Refer to 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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.

593 RESIDENT SEMINAR

1 sem. hr.

Contemporary treatment of field issues and professional development needs for advanced resident graduate students in Special Education.

593A03 COMPUTER APPLICATIONS IN SPECIAL EDUCATION

1 sem. hr.

Examines concepts and practices for technology and assistive technology implementation in the schools.

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. Prerequisite: Consent of the dissertation advisor.

598A01 PROFESSIONAL PRACTICE IN TEACHER PREPARATION

1-12 sem. hrs.

Refer to 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 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 General Courses. Provides doctoral and Director of Special Education 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 Director of Special Education certificate or doctoral Program in Special Education.

599 DOCTORAL RESEARCH**1-15 sem. hrs.**

Refer to 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.

TEACHING AND LEARNING (TCH)

232 DeGarmo Hall, (309) 438-5425

Education.IllinoisState.edu/TCH

Director: Linda Haling**Programs Offered**

M.S. in Teaching and Learning, M.S.Ed. in Reading, Ed.D. in Teaching and Learning, and Post-Baccalaureate Library Information Specialist Certificate

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.

Program Requirements**M.S. in Teaching and Learning Program Requirements**

The M.S. in Teaching and Learning requires either a thesis option or a culminating research experience option. This 30 hour program requires:

- 15 hours: TCH 407, 409, 411, 478; EAF 410
- 9 hours of an area of concentration designed with an advisor
- 6 hours of research experience: Either TCH 481 and TCH 482 or 6 hours TCH 499

M.S. Ed. in Reading Program Requirements

This 36 hour degree program requires:

- 27 hours: TCH 452, 462, 463, 464, 465, 466, 467, 471, 474
- 6 hours of professional research experience: TCH 468 and 469
- 3 hours of electives

Doctor of Education in Teaching and Learning (Ed.D.)**Program Requirements**

This 66 hour degree requires:

- 15 hours: TCH 501, 562, 576, 407, 580
- 6 hours of educational foundations: courses selected to support the area of concentration
- 15 hours: of an area of concentration: courses selected with the assistance of an advisor based on student area of interest
- 3 hours of practicum: TCH 598
- 12 hours of research methods: Courses generally include TCH 575, 595 and other research methodology courses from TCH or from other departments on campus
- 15 hours of dissertation research
- A passed doctoral examination

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.

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 K-12 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 Library Information Specialist Certificate

The Post-Baccalaureate Library Information Specialist Certificate 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. Multiple enrollments allowed 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.

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. Multiple enrollments allowed 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.

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.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to 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. Multiple enrollments allowed if content is different. Prerequisites: TCH 575 and consent of the instructor.

598 PROFESSIONAL PRACTICE/INTERNSHIP

1-12 sem. hrs.

Refer to 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 General Courses. Research relating to requirements for the Doctor of Education degree. Prerequisite: Consent of the program coordinator.

599A90 DISSERTATION RESEARCH FINAL TERM

1 sem. hr.

Refer to General Courses.

Dean: Jean Miller

Associate Dean: Laurie Merriman

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 Studies, or Arts Technology
- Master of Arts (M.A.) in Art or Theatre Studies
- 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

FineArts.IllinoisState.edu/arts_tech

Program Director: Aaron Paolucci

Programs Offered

M.S. in Arts Technology

Program Requirements

This 39 hour degree requires:

- 9 hour core: ATK 450 and 6 hours of ATK 480
- 9 hours from one of the emphases below. ATK 380, 460, and 480 Multiple enrollments allowed with different topics or experiences
- 9 hours: electives from related coursework outside of the fine arts or additional fine arts coursework in consultation with the program advisor
- 3 hours: internship or professional practice experience in arts technology (ATK 498)
- 5 hours: directed project (ATK 490)
- 4 hours: 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

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.

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.

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. Multiple enrollments allowed if content is different. 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.

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. 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. 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. 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. Multiple enrollments allowed if content is different.

401 PORTFOLIO DEVELOPMENT IN ARTS TECHNOLOGY

1 sem. hr.

Portfolio development with emphasis on individual artistic practice and aesthetic. Multiple enrollments allowed for up to 4 hours. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

ART**119 Center for the Visual Arts
(309) 438-5621
FineArts.IllinoisState.edu/art****School Director:** Michael J. Wille
Programs Offered

M.A., in Art with a sequence in Visual Culture; M.S. in Art with sequences in Art Education or Art Education plus Initial Licensure; M.F.A. in Art.

Master's Degree Programs Program 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.

M.A. in Art—Sequence in Visual Culture

This 32 sequence requires:

- 9 hour core: ART 475, 478, and ART 497
- 9 hours: coursework in art history and/or visual culture
- 9 hours: in related field(s) outside the School of Art (history, literature, anthropology, etc.)
- 4-6 hours: Thesis work (ART 499)
- Pass a comprehensive exam
- Meet the language requires for a Master of Arts degree
- 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.
- 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.

M.S. in Art—Sequence in Art Education

Licensed art educators may pursue their master's degree on a full-time or part-time basis. This 32 hour sequence requires:

- 9 hour core: ART 475, 478, 497
- 9 hours: ART 401, 402, 403
- 8 hours of electives
- 6 hour thesis or a comprehensive exam and 6 additional hours of electives
- 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.

M.S. in Art—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.

This track takes 5-6 semesters, which includes a semester of student teaching and either the completion of a comprehensive exam or a semester dedicated to thesis writing. Coursework for initial licensure and master's degree are taken concurrently.

This 32 hour sequence requires:

Please refer to the art teacher licensure requirements in the Undergraduate Catalog.

- 9 hour core: ART 475, 478 and 497
- 9 hours: ART 401, 402, 403
- 8 hours of electives
- 6 hour thesis or a comprehensive exam and 6 additional hours of electives
- 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.

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 and drawing, sculpture and expanded media, printmaking, video, ceramics, photography, 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.

M.F.A. Program Requirements

This 60 hour degree program requires:

- 36 semester hours must be taken in the School of Art, of these at least 24 must be at the 400 level
- 24 semester hours must be in the student's major studio area, of these at least 18 must be at the 400 level
- Of the total required 60 hours, 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

- 3 hours: ART 494 MFA Seminar. Taking the MFA Seminar to satisfy Art History requirements does not substitute for this requirement (494 is included within the 36 hours)
- 6 hours: 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. (496 is included within the 36 hours.)

The School reserves the right to keep images of original work produced by graduate students for educational and archival purposes.

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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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. Multiple enrollments allowed. 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.

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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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.

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.

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. Materials charge optional. Also offered as FCS 352. Prerequisites: FCS 242, 246, 340, 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. Multiple enrollments allowed. Pre-requisites: 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. Multiple enrollments allowed; 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. One additional enrollment allowed.

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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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.

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.

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.

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. Multiple enrollments allowed 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. One additional enrollment allowed. 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. Multiple enrollments allowed 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 General Courses.

MUSIC (MUS)**230 Centennial East, (309) 438-7631****FineArts.IllinoisState.edu/music****School Director:** Stephen Parsons**Programs Offered**

M.M.Ed. and the M.M. with sequences in : Collaborative Piano, Composition, Conducting, Music Therapy, and Performance.

Master of Music (M.M.) Program Requirements

Graduate Proficiency Examinations: During the first week of enrollment, all new graduate music students must take proficiency examinations in music theory and music history/literature. Students who do not pass or do not take the Graduate Proficiency Exam in Music History/Literature during the first semester of enrollment must complete remediation assigned by the Music History faculty, or retake the Graduate Proficiency Exam in Music History within a calendar year of the first attempt. Students who choose to retake the exam and do not pass must then complete remediation assigned by the Music History faculty. Remediation may include enrollment in one or more undergraduate music history courses or an alternate remediation as assigned by the faculty. Students who do not pass or do not take the Graduate Proficiency 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.

Collaborative Piano Sequence

This 35 hour sequence requires:

- 12 hours: applied music courses (MUS 440)
- 2 hours: chamber music (MUS 439A30)
- 11 hours: 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.
- 2 hours: 2 semesters of ensemble selected from MUS 365, 439A70, 439A90, 481A05, 481A06, 482, 484, 486, 487, and 488. Multiple enrollments allowed.
- 1 hour: 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.

Composition Sequence

This 34 hour sequence requires:

- 16 hours: MUS 303, 304, 402, 407, 452, and 457
- 9 hours: 3 semesters of 405
- 3 hours 1 course selected from: ATK 301, 345, MUS 355, 356, 391, 392, 394, 395, and 396
- 2 hours selected from: MUS 365, 439A70, 439A85, 439A90, 481A05, 481A06, 481A07, 482, 484, 486, and 488.
- 4 hours: MUS 499 (Exit Composition) and a written comprehensive examination

Conducting Sequence

This 35 hour sequence requires:

- 12 hours applied conducting (MUS 430)
- 2 hours: MUS 495
- 9 hours: 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
- 2 hours: 2 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). Multiple enrollments allowed in applied conducting, ensembles, and non-degree recitals.
- 1 hour: Exit requirements: Written comprehensive examination and one graduate recital (MUS 496). The comprehensive exam must be taken during the semester in which the student will graduate.

Jazz Performance Sequence

This 35-hour sequence requires:

- 8 hours: Applied Jazz (MUS 438A70).
- 13 hours: MUS 325, 326, 402, 452, 457.
- 4 hours: Jazz Ensemble (jazz big band) 439A70. Ensembles may be repeated.
- 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, music theory/composition, and non-music courses.
- 1 hour: Exit requirements 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.

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 Therapy Sequence

This is a 35-36-hour sequence. 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.

This 35-36 hour sequence requires:

- 15 hours: MUS 442, 443, 444, 452, 459, 498A10
- 3 hours: music elective
- 2 hours: 2 semesters of ensemble selected from MUS 365, 439A70, 439A85, 439A90, 481A05, 481A06, 481A07, 482, 484, 486, and 488
- 12 hours: 300-/400-level courses in concentrations such as psychology, education, gerontology, and arts technology, or others designed by student with music therapy faculty approval
- 3-4 hours: Exit requirements: Written comprehensive examination and either 4 hours of MUS 499 Thesis, or 3 hours of MUS 498A12, Professional Practice: Music Therapy Clinical Project

Performance Sequence

This 35 hour sequence requires:

- 12 hours: applied music courses on the major instrument (MUS 430-438)
- 2 hours: 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
- 2 hours: 2 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). Multiple enrollments allowed in ensembles.
- 1 hour: Exit requirements: Written comprehensive examination and one recital (MUS 496). The comprehensive exam must be taken in the semester during which the student will graduate.

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.

String Pedagogy Sequence

This 36-hour sequence requires:

- 8 hours: applied music courses on the student's primary

instrument (MUS 436).

- 6 hours: string pedagogy courses (MUS 330, 498A05).
- 9 hours: core music courses (MUS 452; 407 or 474; 457).
- 7 hours: electives in a music and/or education field, which may be selected from, but are not limited to, the following: music education, applied music on a secondary stringed instrument, conducting, non-degree recitals, chamber music, music therapy, and early childhood education.
- 4 hours: orchestra (MUS 482).
- 2 hours: Exit requirements include a written comprehensive examination and Final Project in String Pedagogy (MUS 475). The comprehensive exam and final project must be taken in the semester during which the student will graduate.

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.

Master of Music Education Program Requirements

This 32-34 hour degree program requires:

- 16 hours: MUS 452, 459, 470, 471, 472, 473
- 2 hours: 2 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
- 2-4 hour exit requirements 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

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.

This degree has a fully online plan of study available as well as a traditional fulltime on campus option. The ensemble requirement may be waived for online students with the approval of the advisor and the Music Graduate Coordinator.

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.

325 ADVANCED JAZZ IMPROVISATION I**2 sem. hrs.**

Applications of advanced harmonic, melodic and rhythmic improvisational techniques for the experienced jazz player. Prerequisite: Grade of C or better in MUS 228 or consent of the instructor.

326 ADVANCED JAZZ IMPROVISATION II**2 sem. hrs.**

Applications of advanced harmonic, melodic and rhythmic improvisational techniques for the experienced jazz player; a continuation of MUS 325. Prerequisite: Grade of C or better in MUS 325 or consent of the instructor.

327 JAZZ ARRANGING**2 sem. hrs.**

Students develop arranging skills in the jazz idiom through studying common approaches to melody, harmony and orchestration. Prerequisites: MUS 157 and 222 or consent of the instructor.

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. Multiple enrollments allowed. More than one area may be taken concurrently.

330A60 PEDAGOGY AND LITERATURE: HETEROGENEOUS STRINGS**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 strings. Multiple enrollments are allowed; maximum 4 hours. More than 1 area may be taken concurrently.

330A61 PEDAGOGY AND LITERATURE: VIOLIN**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 violin. Multiple enrollments are allowed; maximum 4 hours. More than 1 area may be taken concurrently.

330A62 PEDAGOGY AND LITERATURE: VIOLA**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 viola. Multiple enrollments are allowed; maximum 4 hours. More than 1 area may be taken concurrently.

330A63 PEDAGOGY AND LITERATURE: CELLO**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 cello. Multiple enrollments are allowed; maximum 4 hours. More than 1 area may be taken concurrently.

330A64 PEDAGOGY AND LITERATURE: BASS**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 bass. Multiple enrollments are allowed; maximum 4 hours. More than 1 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. Multiple enrollments allowed 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 MUSIC 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.

355A06 MUSIC GENRES: JAZZ**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. Multiple enrollments allowed if content is different. Prerequisites: MUS 253 and 254, or equivalent.

356A01 MUSIC AND SOCIETIES: INTRODUCTION TO ETHNOMUSICOLOGY**3 sem. hrs.**

Introduction to the nature of ethnomusicological inquiry, history, key concepts, methods, and practitioners.

Prerequisites: MUS 253 and 254, or equivalent.

356A02 MUSIC AND SOCIETIES: WOMEN IN MUSIC**3 sem. hrs.**

This course investigates and celebrates the musical activities of women. 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. Multiple enrollments allowed. 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.

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. Multiple enrollments allowed 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.

422 ADAPTING POPULAR MUSIC FOR STUDENTS WITH DISABILITIES**1-3 sem. hrs.**

Adaptive strategies for teaching instruments and notation to students with and without disabilities using Figurenotes. Prerequisites: Music education, special education or music therapy graduate students or consent of the instructor.

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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments

allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. Prerequisite: Consent of the appropriate coordinator.

438A70 APPLIED MUSIC: JAZZ**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. Applied lessons will cover the topics of performance, musicality, technical facility, and repertoire appropriate for each student based on individual needs and goals. Multiple enrollments are allowed. 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. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A21 AFRICAN DRUMMING AND DANCE ENSEMBLE**1 sem. hr.**

Study and performance - African drumming and dance ensemble. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A30 ENSEMBLES: PIANO**1-2 sem. hrs.**

Study and performance - piano ensembles. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A40 ENSEMBLES: STRINGS**1 sem. hr.**

Study and performance - string ensembles. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A70 ENSEMBLES: JAZZ**1 sem. hr.**

Study and performance - jazz ensembles. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A85 ENSEMBLES: GUITAR**1 sem. hr.**

Study and performance - guitar ensembles. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

439A90 MADRIGAL SINGERS**1 sem. hr.**

Study and performance - madrigal singers. Multiple enrollments allowed. Prerequisites: Audition and consent of the instructor.

440 APPLIED MUSIC: PIANO ACCOMPANYING**2-3 sem. hrs.**

Advanced individual study and direction in music performance at the graduate level. Multiple enrollments allowed. Prerequisite: Consent of the appropriate coordinator.

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.

475 FINAL PROJECT IN STRING PEDAGOGY**2 sem. hrs.**

A supervised final project for String Pedagogy majors that demonstrates specialized study in a specific area of string teaching. This course must be taken in the semester during which the student will graduate with the consent of the graduate advisor.

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. Multiple enrollments allowed. (See the following courses.)

481 UNIVERSITY BAND**1 sem. hr.**

Participation at the graduate level in University Bands. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. Prerequisite: An audition is required.

481A07 SYMPHONIC BAND**1 sem. hr.**

Outstanding wind and percussion players perform representative works from the wind band literature. Multiple enrollments allowed. 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. Multiple enrollments allowed.

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. Multiple enrollments allowed. 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. Multiple enrollments allowed. Prerequisite: An audition is required.

483 CHAMBER WIND ENSEMBLE**1 sem. hr.**

Participation at the graduate level in chamber wind ensemble. Multiple enrollments allowed.

484 CONCERT CHOIR**1 sem. hr.**

Participation at the graduate level in concert choir. Multiple enrollments allowed. Prerequisite: An audition is required.

486 WOMEN'S CHOIR**1 sem. hr.**

Participation at the graduate level in women's choir. Multiple enrollments allowed. Prerequisite: An audition is required.

486A01 WOMEN'S CHOIR**1 sem. hr.**

Participation at the graduate level in Women's Choir. Multiple enrollments are allowed. Prerequisite: An audition is required.

486A02 BELLE VOIX**1 sem. hr.**

Participation at the graduate level in Belle Voix. Multiple enrollments are allowed. 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. Multiple enrollments allowed; 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. One additional enrollment allowed. Prerequisite: Consent of the graduate advisor.

498 PROFESSIONAL PRACTICE IN MUSIC**1-3 sem. hrs.**

Refer to General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. Multiple enrollments allowed 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 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 General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. Multiple enrollments allowed for a maximum of 4 hours.

498A04 PROFESSIONAL PRACTICE: MUSIC PERFORMANCE**1-3 sem. hrs.**

Refer to General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music.

498A05 PROFESSIONAL PRACTICE IN STRING PEDAGOGY**2 sem. hrs.**

Refer to General Courses. Provides graduate students with the opportunity to obtain supervised work experience in string teaching. Multiple enrollments are allowed for a maximum of 6 hours.

498A10 PROFESSIONAL PRACTICE: MUSIC THERAPY SUPERVISION**1 sem. hr.**

Refer to 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 General Courses. Provides graduate students with the opportunity to obtain supervised work experience in music. Prerequisites: MUS 398 and project committee consent

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

Refer to General Courses.

499A90 INDEPENDENT RESEARCH FOR THE MASTER'S THESIS FINAL TERM**1-5 sem. hrs.**

Refer to General Courses.

THEATRE AND DANCE (THD)

212 Centennial West, (309) 438-8783

FineArts.IllinoisState.edu/theatre

School Director: Janet Wilson**Programs Offered****M.A., M.S. degrees in Theatre; M.F.A. in Theatre****Master of Science in Theatre Studies Program Requirements**

This 36 hour degree requires:

- 6 hour thesis (THE 499) or passing a comprehensive examination
- 3 hours: THE 497
- 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)
- 4 hours of THE 477
- 14 hours of approved electives

Master of Arts in Theatre Studies Program Requirements

This 36 hour degree program requires:

- completion of the requirements outlined above
- 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.

Master of Fine Arts Program Requirements

Students will be admitted into one of the following concentrations:

- Design (60 hours of study) Students in Design should select one of the following focus areas: Costume Design, Lighting Design, or Scenic Design
- Directing (60 hours of study)

The following courses are required:

- THE 501 during each semester of study
- THE 491 and 492
- 9 additional hours of history, 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.

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.

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 Studies 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.

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. Multiple enrollments allowed with different content; maximum of 6 hours. May be offered for graduate credit.

309 DIRECTED PROJECTS

1-3 sem. hrs.

Individually supervised study for the advanced student. Multiple enrollments allowed. 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, consent of the Acting faculty; or graduate standing.

314 ACTING STYLE: DISCOVERY AND PERFORMANCE

3 sem. hrs.

Performance styles of a particular playwright, period, or medium. Multiple enrollments allowed 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.

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; or graduate standing.

332 COSTUME CONSTRUCTION

3 sem. hrs.

Various rotating topics focusing on flat pattern, draping, and tailoring techniques for the theatrical costume craftsman. Multiple enrollments allowed 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. Multiple enrollments allowed 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; or graduate standing.

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. Multiple enrollments allowed with different content; a maximum of 6 hours. Prerequisites: THE 103, 104, 130, 330 or consent of the instructor; or graduate standing.

340 DIRECTING WORKSHOP**3 sem. hrs.**

Principles and methodologies of stage direction applied to particular problems in a workshop format. Multiple enrollments allowed 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, payrolls, budgeting and income controls. Prerequisites: THE 103, 104, and 344 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 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. Multiple enrollments allowed 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; or graduate standing.

364 ADVANCED PROJECTS IN DESIGN**1-3 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. Multiple enrollments allowed if content is different; maximum of 6 hours. 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. Multiple enrollments allowed 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; or graduate standing.

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 on their drawing, painting, and perspective skills. Prerequisites: THE 103, 104, 130, 160, 258, and consent of the instructor; or graduate standing.

366A03 DIGITAL RENDERING**3 sem. hrs.**

The objective of the course is to have an understanding of and explore drawing and painting tools as well as techniques using Photoshop. Students will demonstrate these techniques through exercises in digital 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; or graduate standing.

367 SCENOGRAPHIC TECHNIQUES**3 sem. hrs.**

An exploration of computer aided drafting techniques necessary to develop scenic units into plans, elevations, and working drawings. Materials charge optional. Prerequisites: THE 103, 104, 258 and consent of the instructor; or graduate standing.

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 from its origins to the present. May be offered for graduate credit.

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. Multiple enrollments allowed 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 Renaissances. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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 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. Multiple enrollments allowed. 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. Multiple enrollments allowed. 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.

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. Multiple enrollments allowed 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.

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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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.

180 Theatre and Dance

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. Multiple enrollments allowed. 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. Multiple enrollments allowed 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. Multiple enrollments allowed 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.

492 CORE COMPANY TWO

3 sem. hrs.

Advanced application of analysis, research, and communication within theatrical collaboration. Prerequisite: THE 491.

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

1-9 sem. hrs.

Refer to General Courses.

499 MASTER'S THESIS

1-6 sem. hrs.

Refer to General Courses.

500 INDEPENDENT STUDY

1-4 sem. hrs.

Refer to General Courses.

501 M.F.A. PORTFOLIO

1 sem. hr.

Topics are listed below. Multiple enrollments are allowed. 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.

Dean: Judy Neubrandner

Associate Dean for Research: Mary Dyck

Associate Dean for Academic Support: Janeen Mollenhauer

Associate Dean of Academics: Denise Wilson

312 Edwards Hall, (309) 438-7400

Nursing.IllinoisState.edu

Programs Offered

M.S. in Nursing with sequences in Family Nurse Practitioner and Nursing Systems Administration; Doctor of Nursing Practice (D.N.P.), Ph.D. in Nursing, and Post-Master's Family Nurse Practitioner Certificate.

Accreditation

The Master of Science in Nursing program and the Doctor of Nursing Practice program are fully accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, D.C. 20036; (202) 887-6791.

Master of Science in Nursing

Program Requirements

The Master of Science in Nursing is distributed among core, support, and nursing specialty courses. 36-44 semester hour program (depending on sequence chosen).

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. Those students interested in research and doctoral study may choose to complete a thesis that would result in additional degree hours.

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. Multiple enrollments allowed for a maximum of 3 semester hours.

Family Nurse Practitioner (FNP) Sequence

This 44 hour blended curriculum sequence requires:

- 12 hour core: NUR 401, 403, 405, and 407
- 9 hours of support courses: NUR 431, 433, and 437
- 23 hours of specialty courses: NUR 471, 473, 475, and 477; the 5 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

This 36 hour fully online sequence requires:

- NUR 401, 405, 407, 425, 451, 453, 483, 509, 511, 562 and 565

Doctor of Nursing Practice (D.N.P.)

The doctor of nursing practice (DNP) program consists of 34 semester hours beyond the master's degree. 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. Multiple enrollments allowed for a maximum of 3 semester hours.

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.

DNP Program Requirements

This 34 hour fully online program requires:

- 18 hour core: NUR 451, 509, 511, 562, 564, 565
- 3 hours applied data analysis and management: NUR 535
- 6 hour clinical residency: an in-depth clinical experience emphasizing DNP role development and expansion of clinical expertise: NUR 550, 552, 554
- 7 hour scholarly project: NUR 543, 545, 547
- a minimum of 1,000 clinical hours post-baccalaureate degree

Doctor of Philosophy in Nursing (Ph.D.)

The Doctor of Philosophy in Nursing program is a blended curriculum consisting of 66 semester hours beyond the master's degree. The doctor of philosophy degree prepares nurse researchers to serve the public health by designing and conducting research on relevant clinical, educational, health systems and/or health policy topics.

Program Requirements

This 66 hour blended curriculum degree requires:

- 27 hour core: NUR 502, 503, 504, 505, 506, 507, 511, 513, 515, 530
- 6 hours research practica: NUR 523, 526

- 9 hours statistics and measurement: NUR 540, 541, 544
- 9 hours: elective courses
- 15 dissertation hours: All students must successfully complete a dissertation comprised of original research.

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.

Mennonite College of Nursing requires that any student receiving a grade of C or below in graduate coursework must repeat the course. Multiple enrollments allowed for a maximum of 3 semester hours.

Non-Degree Graduate-Level Certificates

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 transcript. 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.

Nursing Courses

400 INDEPENDENT STUDY

1-4 sem. hrs.

See 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 germane 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.

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**1-6 sem. hrs.**

Refer to 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.

502 INTRODUCTION TO RESEARCH DESIGN**3 sem. hrs.**

Overview of philosophy of nursing science and logic, analysis of research designs, including such areas as design appropriateness and validity, sampling, research ethics, and interpretation. Prerequisites: Graduate standing or consent of the instructor.

503 THEORETICAL BASIS OF NURSING RESEARCH**3 sem. hrs.**

Evaluation of sources of knowledge form a foundation for articulating a theory, conceptual framework, or series of concepts to guide dissertation research. Prerequisite: Graduate standing in Nursing or consent of the instructor.

504 SCHOLARLY COMMUNICATION**3 sem. hrs.**

Foundational course that builds ability to engage in effective scholarly communication for dissemination of nursing knowledge. Prerequisites: Graduate standing in Nursing or consent of the instructor.

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 instructor.

506 WRITING A REVIEW OF THE LITERATURE**3 sem. hrs.**

This course prepares students to develop a well-structured and soundly presented critical review of the literature. Prerequisites: Graduate standing in Nursing or consent of the instructor.

507 QUALITATIVE RESEARCH DESIGN**3 sem. hrs.**

Students will examine qualitative research traditions in detail and develop a research proposal. Prerequisite: Graduate standing in Nursing or consent of the instructor.

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 instructor.

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 instructor.

515 DISSERTATION PROPOSAL DESIGN**3 sem. hrs.**

Intensive, semester-long workshop where students apply advanced research design to develop a polished draft of their dissertation proposal. Prerequisites: Graduate standing in Nursing and/or consent of the instructor.

523 APPLIED RESEARCH**3 sem. hrs.**

A group research project is conducted under the guidance of the instructor. Prerequisites: Graduate standing in Nursing or consent of the instructor.

526 RESIDENCY IN RESEARCH**1-3 sem. hrs.**

Individualized research practicum under the guidance of the faculty advisor and/or a preceptor. Formerly RESIDENCY IN RESEARCH WITH AGING ADULTS. Multiple enrollments allowed for a maximum of 3 hours. Prerequisite: Graduate standing in Nursing or consent of the instructor.

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 instructor.

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 UNIVARIATE STATISTICS**3 sem. hrs.**

Introduction to interpretation of basic experimental research designs and advanced inferential statistics. Formerly STATISTICAL METHODS I. Prerequisites: Graduate standing in Nursing or consent of the instructor.

541 MULTIVARIATE STATISTICS**3 sem. hrs.**

Examination and application of advanced analysis of variance and regression analysis. Formerly STATISTICAL METHODS II. Prerequisites: Graduate standing in Nursing or consent of the instructor.

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.

544 MEASUREMENT AND INSTRUMENTATION IN RESEARCH**3 sem. hrs.**

Students explore and apply quantitative measurement theories to assess reliability, validity, and data quality. Critical analysis of instrumentation for qualitative and quantitative data collection assists with the ability to identify/develop instruments for use in research. Prerequisites: Graduate standing in Nursing or consent of the instructor.

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 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.

