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## EIU Graduate Catalog 2005-2007

Eastern Illinois University

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eastern illinois university  
**graduate catalog**  
2005-2007

This catalog includes information concerning Admission, Enrollment, Fees, Housing, Program and Course Offerings for the Academic Years 2005-2006 and 2006-2007.

*The provisions of this catalog are not to be regarded as irrevocable contractual commitments between the University and the student. The University reserves the right to change any provision or requirement contained in this publication at any time within the student's term of residence. The catalog is presented to enable prospective students and others to learn about Eastern Illinois University and to state policies, requirements, regulations and procedures to assist students.*

#### THE STUDENT'S RESPONSIBILITY

Certain requirements must be met before a degree is granted. These requirements concern such things as courses, majors and minors, and residence. It is important for students to acquaint themselves with these requirements and to continue to keep themselves informed about them during their college careers. It is also necessary in the general administration of the University to establish policies and regulations. It is important that students understand the policies and regulations which they are expected to follow. When changes in policy occur between printed catalog publications, they are published in the electronic catalog which is available at the following address: [www.eiu.edu/~graduate/](http://www.eiu.edu/~graduate/)

#### EQUAL OPPORTUNITY/NON-DISCRIMINATION POLICY

Eastern Illinois University complies fully with applicable federal and state non-discrimination and equal opportunity laws, orders, and regulations. Eastern Illinois University will not discriminate in its programs and activities against any person because of race, color, sex, religion, age, national origin, ancestry, marital status, unfavorable discharge from military service, disability, handicap, veteran status, sexual orientation, or any basis of discrimination precluded by the applicable federal and state statutes. This policy applies to admissions, employment, treatment of individuals, and access to programs. Inquiries concerning this policy may be directed to the appropriate admitting or employing unit or the Civil Rights Office.

#### COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990

In accordance with the Americans with Disabilities Act (ADA), no individual shall be discriminated against on the basis of disability in the full and equal enjoyment of the goods, services, facilities, privileges, advantages, or accommodations of the University. Further, no qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the University or be subjected to discrimination by the University.

Eastern Illinois University is an equal opportunity employer and does not discriminate against a qualified individual with a disability because of the disability of said individual in regard to job application procedures, the hiring, advancement, or discharge of employees, employee compensation, job training, and other terms, conditions, and privileges of employment.

Inquiries concerning this policy may be directed to the appropriate admitting or employing unit, or the University's ADA Coordinator: (217) 581-3514.

Eastern also complies with the *Federal Drug Free Schools and Communities Amendment Act (Public Law 101-226)*, and the *Federal Student Right-to-Know and Campus Security Act (Public Law 101-542)*.

#### RIGHT TO PRIVACY STATEMENT

Eastern Illinois University has enacted a comprehensive policy protecting the privacy rights of students as required by the Family Educational Rights and Privacy Act of 1974. Copies of the policy, "Privacy Rights of Eastern Illinois University Students," are available for inspection in the Records Office, 1220 Old Main.

#### CULTURAL DIVERSITY

America draws its strength and vitality from the diversity of its people. Eastern Illinois University is committed to cultural diversity and building a pluralistic campus that celebrates and draws upon the talents of all its students and staff. Racist acts by any member of the University are subject to quick and firm disciplinary action. The University will not tolerate any form of discrimination or harassment based on race, ethnicity, gender or religion.

#### STUDENT CONDUCT CODE

As a community of scholars, Eastern Illinois University requires of its members a high level of ethical and academic integrity. The Student Conduct Code specifies student rights and responsibilities both academically and behaviorally. Each student is held accountable for adhering to the Code, which is published in the *Student Handbook*. Individual copies of The Student Conduct Code are available in the residence halls, the Student Life Office, the Judicial Affairs Office, and online at [www.eiu.edu/~judicial](http://www.eiu.edu/~judicial). Questions concerning student rights and responsibilities should be directed to the Judicial Affairs Office, located in the University Union (217) 581-3827.

**The Graduate School, Office of Grants and Research,  
Office of International Programs, Office of Study Abroad**  
600 Lincoln Avenue  
Eastern Illinois University  
Charleston, IL 61920  
(217) 581-2220

# Eastern Illinois University

## 2005-2007 Graduate Catalog

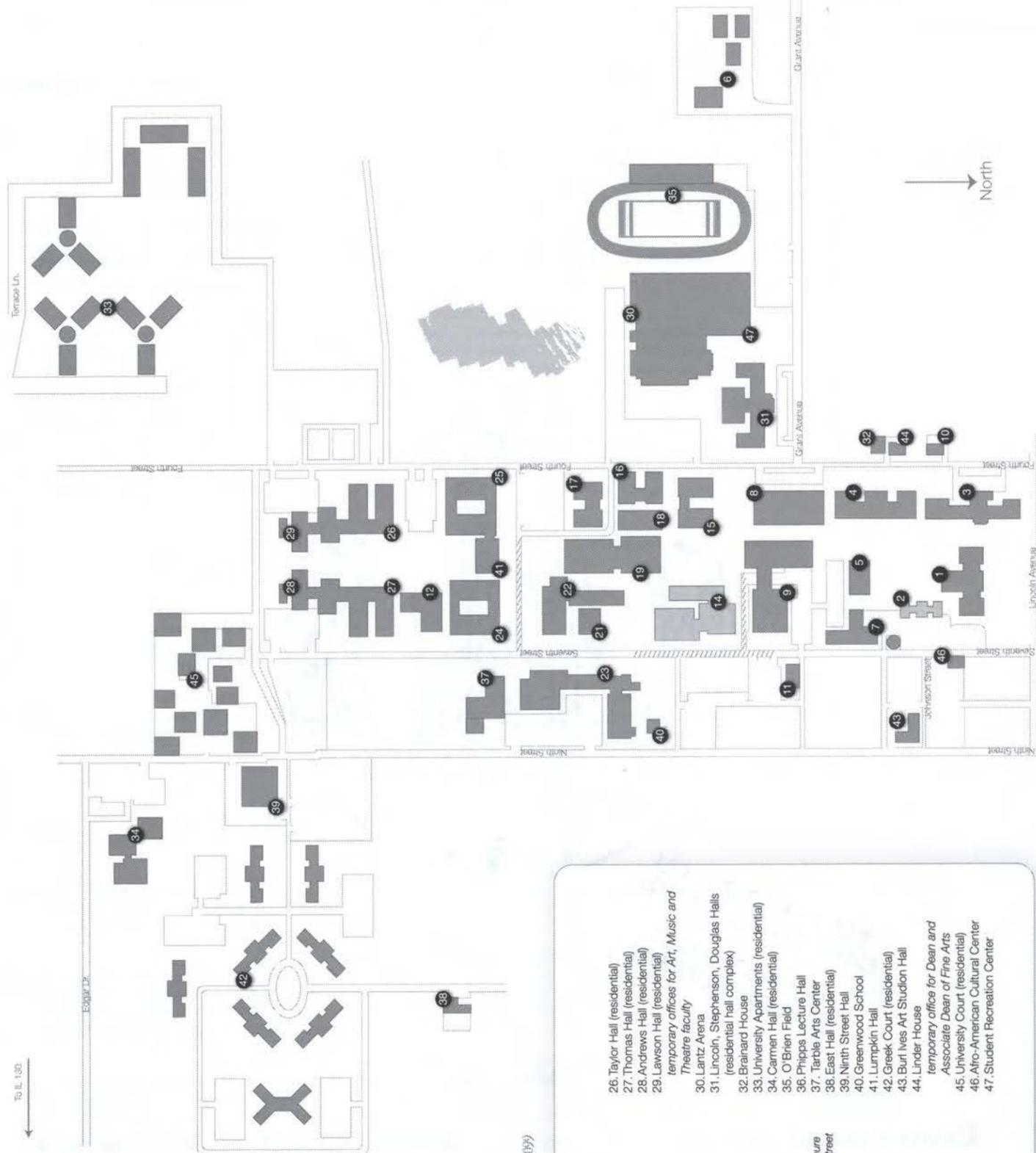


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BE USED IN LIBRARY**

**106th Year**

**EASTERN ILLINOIS UNIVERSITY** offers superior yet accessible undergraduate and graduate education. Students learn the methods and outcomes of free inquiry in the arts, sciences, humanities and professions guided by a faculty known for its commitment to teaching, research/creative activity, and service. The University community strives to create an educational and cultural environment in which students refine their abilities to reason and to communicate clearly so as to become responsible citizens in a diverse world.

--Mission Statement



- building legend**
- 1. Old Main
  - 2. Blair Hall
  - 3. Pemberton Hall (residential)
  - 4. Physical Sciences Building
  - 5. Student Services Building
  - 6. Physical Plant Services Buildings
  - 7. Power Plant
  - 8. McAfee Gym
  - 9. University Union
  - 10. Booth House
  - 11. University Police Department
  - 12. Human Services Building
  - 14. Fire Arts Center (under renovation)
  - temporary locations:
  - Studio Art: Art Park West, 700 Lincoln Avenue
  - Theatre Arts: The Village Theatre, S. 18th Street
  - Music: McAfee Gym
  - 15. Ford Hall (residential)
  - 16. McKinney Hall (residential)
  - 17. Weller Hall (residential)
  - 18. Gregg Tread Computer Lab
  - 19. Booth Library
  - 21. Greenhouse
  - 22. Life Sciences Building
  - 23. Buzzard Hall
  - 24. Kiehm Hall
  - 25. Coleman Hall
  - 26. Taylor Hall (residential)
  - 27. Thomas Hall (residential)
  - 28. Andrews Hall (residential)
  - 29. Lawson Hall (residential)
  - temporary offices for Art, Music and Theatre faculty
  - 30. Lantz Arena
  - 31. Lincoln, Stephenson, Douglas Halls (residential hall complex)
  - 32. Brainard House
  - 33. University Apartments (residential)
  - 34. Carmen Hall (residential)
  - 35. O'Brien Field
  - 36. Phipps Lecture Hall
  - 37. Tarble Arts Center
  - 38. East Hall (residential)
  - 39. Ninth Street Hall
  - 40. Greenwood School
  - 41. Lumpkin Hall
  - 42. Greek Court (residential)
  - 43. Burl Ives Art Studio Hall
  - 44. Linder House
  - temporary office for Dean and Associate Dean of Fine Arts
  - 45. University Court (residential)
  - 46. Afro-American Cultural Center
  - 47. Student Recreation Center



600 Lincoln Avenue, Charleston, IL 61920-3099

# Eastern Illinois University

## 2005-2007 Graduate Catalog

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### Fall Semester 2005

August Registration.....	August 19
Deadline to cancel Fall Classes and Receive Full Refund.....	August 21
Late Registration Begins (\$25 late fee applies).....	August 22
Classes Begin.....	August 22
First-Half-Term Courses Begin.....	August 22
Deadline to Add Courses.....	August 26
Deadline to Submit Audit Requests.....	August 30
Count Day.....	September 2
Deadline to withdraw or to reduce load and be eligible for refund of tuition/fees except insurance..... (4 p.m.)	September 2
Deadline to Drop Hours and not be Charged..... (4 p.m.)	September 2
Deadline to Request Insurance Refund (if equal coverage).....	September 2
Deadline to Submit Credit/No Credit Requests (4 p.m.).....	September 2
Deadline to DROP A COURSE with NO GRADE (4 p.m.).....	September 2
W for Course Withdrawal Begins.....	September 3
Labor Day Observance - No Classes.....	September 5
Deadline for Grade Appeals.....	September 19
Deadline to WITHDRAW FROM EIU and be Eligible for 50% Tuition & Fees Refund, except Insurance.....	September 19
Deadline to Withdraw from FIRST-HALF-TERM Course with W.....	September 23
Fall Break.....	October 7
Mid-Term.....	October 12
Deadline to DROP with NO GRADE or ADD SECOND-HALF-TERM COURSES.....	October 12
[Second-Half-Term Courses Begin].....	October 13
Deadline to WITHDRAW FROM A COURSE with W.....	October 21
WPWF for Course Withdrawal Begins.....	October 22
Deadline to Apply/Reapply for Graduation.....	November 1
Deadline to Remove Credit/No Credit Requests.....	November 4
Deadline to WITHDRAW FROM A COURSE OR THE UNIVERSITY with WPWF.....	November 4
Deadline to Withdraw from SECOND-HALF-TERM COURSE-W.....	November 16
Thanksgiving Recess.....	November 21-25
Last Class Day.....	December 9
Commencement.....	December 17
Final Examination Period.....	December 12-16
Deadline to Return Rental Books without FINE (3:00 p.m.).....	December 16
Semester Closes.....	December 18

### Spring Semester 2006

January Registration.....	January 6
Deadline to Cancel Spring Classes and Receive Full Refund.....	January 8
Late Registration Begins (\$25 late fee applies).....	January 9
Classes Begin.....	January 9
First Half Term Courses Begin.....	January 9
Deadline to Add Courses.....	January 13
King's Birthday Observance - No Classes.....	January 16
Deadline to Submit Audit Requests.....	January 18
Count Day.....	January 23
Deadline to withdraw or to reduce load and be eligible for refund of tuition/fees except insurance..... (4 p.m.)	January 23
Deadline to Drop Hours and not be Charged..... (4 p.m.)	January 23
Deadline to Request Insurance Refund (if equal coverage).....	January 23
Deadline to Submit Credit/No Credit Requests (4 p.m.).....	January 23
Deadline to DROP A COURSE with NO GRADE (4 p.m.).....	January 23
W for Course Withdrawal Begins.....	January 24
Deadline for Grade Appeals.....	February 6
Deadline to WITHDRAW FROM EIU and be Eligible for 50% Tuition & Fees Refund, except Insurance.....	February 6
Deadline to Withdraw from FIRST-HALF-TERM Course with W.....	February 10
Lincoln's Birthday Observance—No Classes.....	February 17
Mid-Term.....	March 2
Deadline to DROP with NO GRADE or ADD SECOND-HALF-TERM COURSES.....	March 2
[Second-Half-Term Courses Begin].....	March 3
Deadline to WITHDRAW FROM A COURSE with W.....	March 10
WPWF for Course Withdrawal Begins.....	March 11
Spring Recess.....	March 13-17
Deadline to Apply/Reapply for Graduation.....	March 22
Deadline to Remove Credit/No Credit Requests.....	March 31
Deadline to WITHDRAW FROM A COURSE OR THE UNIVERSITY with WPWF.....	March 31
Deadline to Withdraw from SECOND-HALF-TERM COURSE-W.....	April 6
Last Class Day.....	April 28
Commencement.....	May 6
Final Examination Period.....	May 1-5
Deadline to Return Rental Books without FINE (3:00 p.m.).....	May 5
Semester Closes.....	May 7

### Summer Term 2006

	<u>4-Week Session</u>	<u>6-Week Session</u>	<u>8-Week Session</u>
Late Registration Begins (\$25 late fee applies) Classes Begin	May 15	June 12	June 12
Deadline to Add Courses	May 15	June 12	June 12
Deadline to Submit Audit or Credit/No Credit Requests	May 17	June 14	June 14
Count Day	May 18	June 19	June 19
Deadline to WITHDRAW FROM THE UNIVERSITY and be Eligible for Tuition & Fees Refund, Except Insurance (4 p.m.)	May 18	June 19	June 19
Deadline to Apply or Reapply for Graduation	May 18	June 19	June 19
Deadline to DROP A COURSE with NO GRADE (4 p.m.)	May 19	June 20	June 20
W for Course Withdrawal Begins	May 19	June 20	June 20
Memorial Day Observance - No Classes	May 29	n/a	n/a
Last Day to WITHDRAW FROM THE UNIVERSITY and be eligible for 50% Tuition & Fees Refund, Except Insurance	n/a	n/a	June 27
Deadline for Grade Appeals	June 27	June 27	June 27
Independence Day Observance - No Classes	n/a	July 4	July 4
Last Day to WITHDRAW FROM A COURSE OR THE UNIVERSITY with W	June 2	July 12	July 21
Last Day to Remove Credit/No Credit Requests	June 2	July 12	July 21
Last Class Day (Monday – Friday Courses)	June 9	July 21	August 4
Last Class Day (Courses that meet Saturdays)	June 10	July 22	August 5
Final Examination Period (Last Day Class Meets)	June 9, 10	July 21, 22	August 4, 5
Semester Closes	June 13	July 25	August 8
Deadline to Return Rental Books without FINE (4 p.m.)	August 7	August 7	August 7

The Registration Office maintains updated schedules at their web site. Please access the site at: <http://www.eiu.edu/~registra/> for Fall 2006, Spring 2007, and Summer 2007 calendars.

# I. Eastern Illinois University

## History

The University was established as Eastern Illinois State Normal School in 1895 by the Illinois General Assembly. In response to growth and change, the institution became Eastern Illinois State Teachers College in 1921, Eastern Illinois State College in 1947, and Eastern Illinois University in 1957. The University grants bachelor's, master's, and specialist's degrees, as well as graduate-level certificates in professional areas.

## Organization of the University

Eastern Illinois University is governed by its own Board of Trustees. The President is responsible for the operation and general welfare of the University.

The University is organized into four areas, each headed by a vice president: Academic Affairs, Business Affairs, External Relations, and Student Affairs.

The primary academic units include the College of Arts and Humanities; the Lumpkin College of Business and Applied Sciences; the College of Education and Professional Studies; the College of Sciences; the Graduate School, International Programs, and Grants and Research; and the School of Continuing Education.

Faculty and students participate in University affairs through membership on the Faculty Senate, Student Senate, Staff Senate, and academic and administrative councils and committees. These groups, most of which have both student and faculty members, consider and recommend policies and procedures to the President.

## Location

Eastern Illinois University is located in Charleston, Illinois, county seat of Coles County, in east-central Illinois. The city has a population of approximately 20,000. Two state highways, 16 and 130, go through Charleston and provide access to Interstates 57 and 70. Amtrak service is available in Mattoon, which is approximately 10 miles west of Charleston.

## The Campus

The University campus is located on 320 acres and consists of 72 buildings, including 12 residence halls and 17 apartment buildings. The University also owns wooded tracts near Charleston which are used for nature study and life science research.

## The Eastern Illinois University Foundation

The Eastern Illinois University Foundation was established in 1953. The purpose of the Foundation is to provide a mechanism for private support of University scholarships and programs. The Foundation provides more than \$400,000 in scholarship awards each year.

Membership of the Foundation consists of more than 160 persons, including alumni and friends of the University. The Board of Directors of the Foundation consists of nine persons elected from the general membership.

## Eastern Illinois University Alumni Association

The EIU Alumni Association was established in 1905 as a means of allowing continuing involvement of graduates and former students in the development of their University. The organization has a number of broad objectives which it has traditionally pursued. These include sponsoring special events for alumni; assisting with homecoming, class reunions, and similar activities; facilitating communication between alumni and the University; maintaining alumni records; and helping with fundraising and other initiatives which contribute to the welfare of the University.

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## Board of Trustees of Eastern Illinois University

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### **Appointed Members**

Mr. Roger L. Kratochvil, Mt. Olive  
Ms. Julie Nimmons, Litchfield  
Dr. Robert D. Webb, Mattoon  
Mr. Leo Welch, O'Fallon  
Mr. Donald Yost, Charleston

### **Student Member**

Mr. Adam Howell, Decatur

### **Officers**

Ms. Julie Nimmons, Chairperson  
Mr. Donald Yost, Vice Chairperson  
Mr. Roger L. Kratochvil, Secretary  
Ms. Judith A. Gorrell, Assistant Secretary  
Mr. Jeffrey L. Cooley, Treasurer

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## Eastern Illinois University Chief Administrative Officers

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### **President**

Mr. Louis V. Hencken

### **Provost and Vice President for Academic Affairs**

Dr. Blair M. Lord

### **Vice President for Business Affairs**

Mr. Jeffrey L. Cooley

### **Vice President for External Relations**

Dr. Jill F. Nilsen

### **Vice President for Student Affairs**

Dr. Daniel P. Nadler

## II. The Graduate School Office of Grants and Research Office of International Programs Office of Study Abroad

Robert M. Augustine, Ph.D., Dean  
Rodney S. Ranes, M.S., Director of Graduate Admissions  
Robert W. Chesnut, Ph.D., Director of Grants & Research  
William J. Elliott, M.S., Director for International Programs  
Wendy S. Williamson, M.S., Director for Study Abroad

### The Graduate School

■<http://www.eiu.edu/~graduate/> The Graduate School at Eastern Illinois University, in consultation with the Council on Graduate Studies, establishes and monitors graduate education policies. The Graduate School also oversees the Office of Grants and Research, the Office of International Programs, the Office of Study Abroad and the University Tuition Waiver Programs. The Graduate School at Eastern Illinois University is a member of the Council of Graduate Schools, the Midwest Association of Graduate Schools, and the Illinois Association of Graduate Schools. Information on graduate programs, graduate admissions, graduate assistantships and other areas of graduate education may be obtained by contacting the Graduate School, Eastern Illinois University, Charleston, IL, 61920, 217/581-2220 or at the above listed web site.

### History

Since 1951 Eastern Illinois University has provided graduate degree programs and graduate courses to support rigorous study and professional development for qualified candidates seeking advanced leadership and professional roles. Graduate education emerged to provide residents of the state and the region with opportunities for advanced study following the completion of the baccalaureate degree. Graduate education has evolved as an integral part of the University's mission to foster the acquisition of new knowledge, expand expertise, offer a diversity of learning experiences, cultivate leadership roles, provide a global perspective, and support life-long learning. The University currently offers twenty-five graduate degrees and four graduate certificate programs which provide advanced courses, research, interdisciplinary study, internships, field experiences, international exchanges, and study abroad options. Eastern Illinois University has an established reputation for excellence with its well focused master's, specialist's degree, and certificate programs.

### Philosophy

Eastern Illinois University endorses the philosophy of the Council of Graduate Schools which states that the Graduate School has as its primary responsibility the advancement of learning through scholarly research and instruction and recognizes the achievement of this goal by the awarding of advanced degrees. The University also endorses the Council's stated purposes of graduate education, which include the advancement of education and intellectual development, the production of new knowledge through research and creative activity, and the preservation and transmission of knowledge. As a Master's Comprehensive University, Eastern Illinois University is committed to graduate education. The master's and specialist's degree programs and

graduate certificate programs enhance the quality of the University by attracting highly qualified graduate candidates whose scholarship contributes to the intellectual climate of the academy. Graduate and teaching assistantships add an additional dimension of expertise for the University's teaching, research, and service mission. Graduate programs attract faculty with the unique expertise required to meet the criteria as regular, associate, and adjunct graduate faculty members.

### Mission of Graduate Education

The mission of graduate education at Eastern Illinois University is to provide superior graduate degree, certificate, and post-baccalaureate options designed for career specialization and advancement, certification and credentialing, professional and leadership development, and preparation for advanced scholarship. The mission includes:

- strengthening the quality, diversity, and internationalization of the University's student body by attracting candidates who have the potential for academic and professional achievement;
- fostering advanced scholarship through a depth of content knowledge, critical thinking, problem solving, oral and written communication, application of technology, research/creative activity, and commitment to professional ethics;
- expanding the curriculum with rigorous advanced courses and options offered through lectures, laboratories, seminars, forums, practicum field experiences, internships, and partnerships with education, business, and industry;
- building and enhancing the excellence of the University's undergraduate majors and options through mutual and reciprocal research/creative activity with graduate students and faculty; and
- developing opportunities for the discovery and application of knowledge with graduate faculty members who reflect the University's teaching and mentoring priority and who have a record of research/creative activity and professional service.

### Accreditation and Affiliation

Eastern Illinois University is a member of the Council of Graduate Schools, the Midwest Association of Graduate Schools, and the Illinois Association of Graduate Schools.

Eastern Illinois University is accredited through the specialist's level by the Commission on Institutions of the North Central Association of Colleges and Schools and by the National Council for Accreditation of Teacher Education for the preparation of elementary and secondary teachers and school service personnel. In the College of Arts and Humanities, the programs in art are accredited by the National Association of Schools of Art and

Design and those in music are accredited by the National Association of Schools of Music.

In the College of Education and Professional Studies, the Master of Science Degree in Counseling is accredited by the Council for the Accreditation of Counseling and Related Educational Programs.

In the Lumpkin College of Business and Applied Sciences, the MBA program is accredited by the AACSB, the International Association for Management Education. The Graduate Dietetic Internship within the dietetic option of the Master of Science in Family and Consumer Sciences is accredited by the American Dietetic Association.

In the College of Sciences, the Master's Degree in Communication Disorders and Sciences is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association. The Master of Arts in Clinical Psychology is recognized by the Council of Applied Master's Programs in Psychology.

### Degrees

#### College of Arts and Humanities

Department of Art  
Master of Arts in Art  
Option in Art Education  
Department of Communication Studies  
Master of Arts in Communication Studies  
Option in Community College Pedagogy  
Department of English  
Master of Arts in English  
Department of History  
Master of Arts in History  
Option in Historical Administration  
Department of Music  
Master of Arts in Music

#### College of Education and Professional Studies

Department of Educational Administration  
Master of Science in Education in Educational Administration  
Specialist in Education in Educational Administration  
Department of Early Childhood, Elementary, and Middle Level Education  
Master of Science in Education in Elementary Education  
Department of Counseling and Student Development  
Master of Science in College Student Affairs  
Master of Science in Counseling  
Concentration in Community Counseling  
Concentration in School Counseling  
Department of Special Education  
Master of Science in Education in Special Education  
Department of Physical Education  
Master of Science in Physical Education

#### Lumpkin College of Business and Applied Sciences

School of Business  
Master of Business Administration  
Certificate Program in Accountancy  
School of Family and Consumer Sciences  
Master of Science in Family and Consumer Sciences  
Option in Dietetics  
Master of Arts in Gerontology  
School of Technology  
Master of Science in Technology  
Certificate Programs in:  
Computer Technology  
Quality Systems  
Work Performance Improvement

#### College of Sciences

Department of Biological Sciences  
Master of Science in Biological Sciences

Master of Science in Natural Sciences  
Concentration in Biological Sciences  
Department of Chemistry  
Master of Science in Chemistry  
Master of Science in Natural Sciences  
Concentration in Physical Sciences  
Department of Communication Disorders and Sciences  
Master of Science in Communication Disorders and Sciences  
Department of Economics  
Master of Arts in Economics  
Department of Geology/Geography  
Master of Science in Natural Sciences  
Concentration in Physical Sciences  
Department of Mathematics and Computer Science  
Master of Arts in Mathematics  
Option Elementary/Middle School Mathematics Education  
Option Secondary Mathematics Education  
Department of Physics  
Master of Science in Natural Sciences  
Concentration in Physical Sciences  
Department of Political Science  
Master of Arts in Political Science  
Department of Psychology  
Master of Arts in Clinical Psychology  
Specialist in School Psychology

### The Council on Graduate Studies

The Council on Graduate Studies is the principle University council which recommends policy pertaining to graduate programs and graduate students. The Council is composed of two elected representatives from each college, one representative appointed by the Dean of the Graduate School and one graduate student representative elected by the Graduate Student Advisory Council. The 2005-2006 members are listed below:

Melanie Burns, Ph.D., Council Chair, College of Business & Applied Sciences  
Eric Hake, Ph.D., Council Vice Chair, College of Sciences  
Steve Conn, Ph.D., College of Education & Professional Studies  
Chuck Costa, Ph.D., College of Sciences  
Sace Elder, Ph.D., College of Arts & Humanities  
Peter Loewen, Ph.D., College of Arts & Humanities  
Linda Morford, Ph.D., College of Education & Professional Studies  
Kathleen O'Rourke, Ph.D., College of Business & Applied Sciences  
Jill D. Owen, Ph.D., Dean's Appointment  
Blair M. Lord, Ph.D., Provost, Ex-Officio  
Mary Herrington-Perry, Ph.D., Assistant Vice President for Academic Affairs, Ex-Officio  
Robert M. Augustine, Ph.D., Dean of the Graduate School, Ex-Officio  
Rodney S. Ranes, M.S., Director Graduate Admissions, Ex-Officio

### Graduate Student Advisory Council

The Graduate Student Advisory Council is composed of two graduate candidates from each graduate program. Graduate representatives are selected by their graduate programs to serve a one-year term. The mission of the Council is as follows:

- To elect a member of the Council to serve as a voting member of the Council on Graduate Studies
- To elect Council members to serve on various University committees to represent the views of graduate students
- To discuss, review and participate in decisions that impact graduate education
- To facilitate communication among graduate students, faculty, and staff
- To promote interaction among graduate students through programs, activities, and events

## Graduate School Advisory Board

Members of the Board administer the Outstanding Graduate Alumni Fellowship Award that is given annually to an Eastern graduate candidate. The award is funded with donations to the Eastern Illinois University Foundation generated through the Advisory Board's philanthropy programs and award recipients are selected by the Advisory Board. The Board is also responsible for the Annual Outstanding Graduate Alumni Program.

## Office of International Programs

International Programs at Eastern Illinois University, in consultation with International Programs Advisory Council, establishes and monitors international education policies. International Programs recruits students and reviews applications to ensure that documents, visas, and immigration files meet the requirements in accordance with EIU admission policies and Immigration and Naturalization Service regulations pertaining to student status. The office provides arrival assistance, orientation, academic support, advisement, and social programs for the international student population.

## Office of Study Abroad

The Office of Study Abroad, in consultation with the International Programs Advisory Council, establishes and monitors policies and procedures for all credit-bearing activities and programs that take place outside of the United States. The mission of this office is (1) to provide safe, effective, and affordable educational experiences for students abroad and (2) to work with the campus community, and other institutions of higher learning, to better prepare students to live and work in an interdependent world. A resource center and full range of comprehensive services are available for students seeking to integrate an international experience into their studies at Eastern Illinois University. Campus-wide events and weekly info-sessions are offered to provide additional information.

## International Programs Advisory Council

The International Programs Advisory Council is composed of faculty representatives who provide advice to International Programs regarding issues and policies related to international education. The Council reviews and evaluates proposals for international exchanges, encourages both faculty and student educational exchanges, and promotes International Programs' calendar of events on campus. Council members include the following:

Dagni Bredesen, Ph.D., College of Arts and Humanities  
 Mahmood Butt, Ph.D., College of Education and Professional Studies  
 Stephen Canfield, Ph.D., Council of Chairs  
 Marilyn Coles, Ph.D., College of Arts and Humanities  
 Michael Cornibise, Ph.D., College of Sciences  
 Scott Crawford, Ph.D., College of Education and Professional Studies  
 J. Michael Havey, Ph.D., College of Sciences  
 Roann Kopel, Ph.D., College of Business and Applied Sciences  
 Frances Murphy, Ph.D., College of Business and Applied Sciences  
 Robert Augustine, Ph.D., Dean of Graduate School, Ex-Officio  
 William J. Elliott, M.S., Director International Programs, Ex-Officio  
 Sue E. Songer, M.S., International Student Advisor, Ex-Officio  
 Wendy S. Williamson, M.S., Director of Study Abroad, Ex-Officio

## Association of International Students

The Association of International Students (AIS) is an EIU recognized student organization open to both international and domestic students. AIS exists to promote cultural awareness on campus and to provide social activities to integrate international students into the campus and local community. Two faculty members serve each year as faculty advisors to this globally significant campus organization.

## Study Abroad Association

The Study Abroad Association is a student organization comprised of students who have participated in EIU Study Abroad programs. Their mission is to foster interest in travel and study abroad through leadership. Students host programs and assist students in developing knowledge of international affairs and culture.

## The Office of Grants and Research

■<http://www.eiu.edu/~grants/> The Office of Grants and Research facilitates application, negotiations, and procurement of state-appropriated and external research and public service grants by University personnel, while helping to insure compliance with University, state and federal regulations. The Office provides various technical services to assist faculty in completing proposal applications and is also responsible for reporting submission and funding of proposals to University, state, and federal sources. In addition, the Office also administers state-appropriated funds designated by the University as faculty research grants. Many of these grants provide faculty members an opportunity to pursue research interests and develop ideas which serve as the basis for external proposals. Information on grants and other forms of funding may be obtained by contacting the Office of Grants and Research, Eastern Illinois University, Charleston, IL, 61920, 217/581-2125 or at the above web site.

## Council on Faculty Research Awards

■[http://www.eiu.edu/~grants/internal\\_funding.htm](http://www.eiu.edu/~grants/internal_funding.htm) Faculty may visit this web site to access information to help prepare for CFR awards. Council on Faculty Research Awards were developed to support faculty research and creative activity during the academic year. Competition guidelines are published annually by the Office of Grants & Research. Twelve to fifteen awards are funded annually and provide operational, equipment, travel, and student help resources to promote research and creative activity. Faculty who receive Council on Faculty Research Awards are honored during an annual honors ceremony.

## Summer Research Awards

■[http://www.eiu.edu/~grants/internal\\_funding.htm](http://www.eiu.edu/~grants/internal_funding.htm) Faculty may visit this web site to access information to help prepare for Summer Research Awards. Summer Research Awards were developed to support faculty research and creative activity during the summer. Competition guidelines are published annually by the Office of Grants & Research. Twenty to twenty-five awards are funded annually and provide faculty a stipend during the summer term to promote research and creative activity. Faculty who receive Summer Research Awards are recognized during an annual recognition ceremony.

## Council on Faculty Research

The Council on Faculty Research (CFR) is composed of two faculty representatives from each college and one representative from the library. Council members are selected to insure representation of diverse areas of research and creative activity. The Council members encourage faculty to apply for CFR and Summer Research Grants. Council members review the grant proposals and recommend proposals for funding. Current members include the following:

Richard Sylvia, Ph.D., Council Chair, College of Arts and Humanities  
 Melanie Burns, Ph.D., College of Business and Applied Sciences  
 Gary Canivez, Ph.D., College of Sciences  
 Rebecca Cook, Ph.D., College of Education and Professional Studies  
 Stacey Knight-Davis, M.L.S., Library Services  
 Newton Key, Ph.D., College of Arts and Humanities  
 Steve Larson, Ph.D., College of Business and Applied Sciences  
 Marilyn Lisowski, Ph.D., College of Education and Professional Studies  
 Britto Nathan, Ph.D., College of Sciences  
 Robert Chesnut, Ph.D., Director of Grants and Research, Ex-Officio  
 Robert Augustine, Ph.D., Dean of Graduate School, Ex-Officio

## Institutional Animal Care and Use Committee

The Institutional Animal Care and Use Committee ensure that all vertebrate animals used in teaching and research are provided humane care and treatment. The IACUC regularly reviews the university's program for humane care and use of animals and inspects the university's animal care facilities. The Committee also reviews all research and teaching activities involving the use of vertebrate animals prior to the conducting of those activities. The Committee is appointed by the Dean of the Graduate School and is composed of faculty members with experience in the ethical treatment of animals in research and teaching, a veterinarian, and a member who is not affiliated with the university. Current members include the following:

Kip McGilliard, Ph.D., IACUC Chair, Department of Biological Sciences  
 Paul Brewer, M.S., Illinois Department of Natural Resources  
 Steve Darimont, Coles County Sheriff's Department  
 Stephen Mullin, Ph.D., Department of Biological Sciences  
 Britto Nathan, Ph.D., Department of Biological Sciences  
 Joseph Williams, Ph.D., Department of Psychology  
 Mary Pat Williams, D.V.M., Veterinarian  
 Robert Chesnut, Ph.D., Director of Grants and Research, Ex-Officio

## Institutional Review Board

The Institutional Review Board (IRB) assures the protection of the rights and welfare of human subjects participating in research. The IRB reviews all research involving human subjects prior to the conducting of any research. The Board is appointed to three year terms by the Dean of the Graduate School and is composed of faculty members representing both scientific and non-scientific concerns, with at least one member from each college, and at least one member who is not affiliated with the University. Current members include the following:

John Best, Ph.D., IRB Chair, Department of Psychology  
 Judy Barbour, Ph.D., Department of Early Childhood, Elementary, and Middle Level Education  
 Hugh E. Brazil, Ph.D., Department of Political Science  
 Richard Cavanaugh, Ph.D., Department of Health Studies  
 W. Timothy Coombs, Ph.D., Department of Communication Studies  
 Charles Eberly, Ph.D., Department of Counseling and Student Development  
 Craig Eckert, Ph.D., Department of Sociology and Anthropology  
 Thomas Hawkins, Ed.D., School of Technology  
 Kenneth Hoover, M.Div., Immanuel Lutheran Church  
 Mary Lou Hubbard, Ph.D., Department of Family and Consumer Sciences  
 Jean Wolski, Ph.D., Department of Theatre Arts  
 Robert Chesnut, Ph.D., Director of Grants and Research, Ex-Officio

## University Tuition and Fee Waiver Programs

■<http://www.eiu.edu/~graduate/> The Graduate School serves as the administrative unit responsible for overall monitoring of the university tuition and fee waiver programs. Mandatory waiver programs are mandated by state statute and are directly administered by offices or agencies external to the University. The Office of Financial Aid on the EIU campus serves as the liaison between the external office of authority and the University. Discretionary waiver programs are administered by offices on the University campus. Typically, applications and information pertaining to discretionary waiver programs are available by contacting the specific office of authority. The official list of programs in which the University participates and the individual offices that administer the waiver programs are available on the web site listed above.

## III. Admission Procedures

### Graduate Study Options

**Degree and Certificate Programs:** Admission to the Graduate School is the first stage of admission required for all of the following degree and certificate programs:

- Master's and specialist's degree programs
- Graduate certificate programs
- Second bachelor's degree programs

**Non-degree Study:** Admission to the Graduate School is required for the following non-degree study options:

- Post-baccalaureate teacher certification
- Alternative teacher certification
- Courses for licensure, professional development, or personal goals

### Domestic Application Procedures

#### Application Access:

- <https://www.applytograd.eiu.edu/> This web site provides a web application with fee payment via credit card.
- <http://www.eiu.edu/~graduate/admissionform.htm> This web site provides a printable application with fee payment via check.

**Materials:** An application, fee, and transcripts are required to complete admission to the Graduate School. Test scores may be required of some programs. The categories below will guide applicants regarding the specific application requirements.

**Applicants New to EIU:** Applicants who have never attended EIU must submit an application, fee, and official transcripts verifying that they have obtained a baccalaureate degree from an accredited institution approved by Eastern Illinois University.

**EIU Applicants:** Applicants who are completing or who hold a baccalaureate degree from EIU and who are seeking continued enrollment as graduate candidates are required to submit an application and fee.

- **2.75 GPA:** EIU applicants who have earned a cumulative undergraduate GPA of 2.75 or higher and who have department/school approval may be authorized to register for graduate courses.
- **Re-Entering After a Lapse of One or More Terms:** <http://www.eiu.edu/~records/readframe.htm#gradread.htm> This web site provides a printable readmission form. EIU applicants who wish to re-enter as graduate candidates after a lapse of one or more semesters (excluding the summer term) following completion of the undergraduate degree follow a two-stage admission process. Applicants must submit an application and fee to the Graduate School and also submit an application of readmission to the Records Office at least ten calendar days prior to the official registration day of the term in which the applicant intends to enroll.

**Less Than 2.75 GPA:** All applicants who are completing a baccalaureate degree, but who have earned less than a 2.75 undergraduate cumulative GPA at the time of application do not meet degree candidacy or provisional candidacy requirements for admission. Such applicants may seek authorization to register for graduate classes through the Graduate School Waiver and Appeals Process. If approved, the applicant may register for graduate courses. If the applicant fails to complete the baccalaureate degree during the current term and has less than a 2.75 undergraduate GPA, the applicant will be dropped from all graduate courses by the 10<sup>th</sup> day of the following term. Undergraduates who fail to complete their baccalaureate degrees as scheduled and who have less than a

2.75 undergraduate cumulative GPA are not eligible for any graduate study options.

#### EIU Employees

##### Faculty or Administrative Applicants:

[http://www.eiu.edu/~humanres/Forms/pdf/Grad\\_waiver.pdf](http://www.eiu.edu/~humanres/Forms/pdf/Grad_waiver.pdf) Applicants who hold faculty or administrative appointments at EIU and who wish to enroll for non-degree graduate study are required to submit an application. Transcripts are required only if not on file with the University. Application fees are waived if applicants complete the faculty and administration application fee waiver form available in the Benefits Office or at the web site listed previously. A copy of the application fee waiver form must be attached to the application.

##### Civil Service Applicants:

[http://www.eiu.edu/~humanres/Forms/pdf/Grad\\_waiver.pdf](http://www.eiu.edu/~humanres/Forms/pdf/Grad_waiver.pdf) Applicants who hold civil service appointments at EIU and who wish to enroll for non-degree graduate study are required to submit an application and transcripts. Application fees are waived if applicants complete the civil service application fee waiver form available in the Benefits Office or at the web site listed above. A copy of the application fee waiver form must be attached to the application.

**McNair Scholars:** McNair Scholars are strongly encouraged to apply for graduate study at Eastern Illinois University. Application fees are waived for McNair Scholars. McNair Scholars are required to submit an application and transcripts. McNair applicants should check the section of the application that verifies their enrollment as McNair Scholars and must include a copy of their certificate of candidacy in the McNair Scholars program.

**Domestic Applicants with Degrees from Non-English Speaking Institutions:** Domestic applicants or permanent resident aliens who hold baccalaureate degrees from a non-English speaking institution must apply for graduate admission as do other domestic applicants and also must submit copies of their green card in order for their application to be processed. All applicants who hold baccalaureate degrees from non-English speaking institutions are required to provide documentation of English language mastery. English language mastery may be documented in one of the ways listed below:

- **TOEFL:** Submission of a score of 550 or higher on the paper-based Test of English as a Foreign Language (TOEFL), a score of 213 or higher on the computer-based TOEFL, or a score of 79 or higher on the internet-based TOEFL.
- **Hours:** Submission of successful completion of 24 semester hours of college credit at an accredited college or university in the United States
- **Certificate:** Submission of a Level 112 Certificate of Proficiency from an ELS Center in the United States.

**Timelines for Domestic Applicants:** The completed graduate application packet should be received no later than August 1, for the fall semester, December 1, for the spring semester, and May 1 for the summer term. Graduate School deadlines insure processing time prior to the beginning of an academic term. Degree and certificate programs often establish firm deadlines that are earlier than those established by the Graduate School. Applicants should contact the degree or certificate program of interest for specific deadlines.

### International Application Procedures

#### Application Access:

- <https://www.applytograd.eiu.edu/> This web site provides a web application with fee payment via credit card.

- <http://www.eiu.edu/~intl/admissions-ipapp.html> This web site provides a printable application with fee payment via check.
- Paper application materials are available on request by contacting The Office of International Programs, Eastern Illinois University, Charleston, IL, 61920, 217/581-2321.

**BCIS Regulations:** All international applicants are subject to the regulations established by the Bureau of Citizenship and Immigration Services of the United States Department of Justice. International applicants may seek admission only as degree candidates.

**Materials:** A complete application packet includes an international application, an application fee, an approved financial affidavit form, an official raised seal transcript, any required admission test scores, and documentation of English mastery. The approved financial affidavit form must verify the applicant's financial status for study. The raised seal transcript must be from an internationally accredited university and must document completion of a four-year baccalaureate degree, or its equivalent, comparable to that awarded by an accredited institution in the United States. The transcript must also verify that the applicant earned a minimum GPA of 2.75 on a 4.0 scale.

**English Requirements:** English language mastery may be documented in one of the ways outlined below.

- **TOEFL:** Submission of a score of 550 or higher on the paper-based Test of English as a Foreign Language (TOEFL), a score of 213 or higher on the computer-based TOEFL, or a score of 79 or higher on the internet-based TOEFL. Applicants from English speaking provinces of Canada, United Kingdom, Australia, or New Zealand are exempt from the TOEFL requirement.
- **Hours:** Submission of successful completion of 24 semester hours of college credit at an accredited college or university in the United States; or
- **Certificate:** Submission of a Level 112 Certificate of Proficiency from an ELS Language Center in the United States

**Conditional Admission for International Applicants:** Applicants who meet all of the requirements for admission, but do not meet the criteria for English mastery, may be offered conditional admission while they seek to fulfill the requirements for English language mastery. Conditional admission for international applicants is granted only by the Graduate School through a recommendation of the Office of International Programs. Students offered conditional admission must provide evidence of meeting English language mastery to the Office of International Programs in one of two ways. Students must provide evidence of full-time enrollment in the Intensive English Program at Eastern Illinois University and earn a 550 or higher on the institutional Test of English as a Foreign Language taken at EIU or students must earn a 550 or higher on the paper-based TOEFL, a score of 213 or higher on the computer-based TOEFL, or a score of 79 or higher on the internet-based TOEFL taken in their home country. International students offered conditional admission are admitted to the Graduate School and to degree candidacy only after providing evidence of English mastery.

#### Candidacy Requirements for International Applicants:

International applicants must be eligible for degree candidacy at the time of admission to the Graduate School. To achieve candidacy, applicants must meet any additional requirements established by academic programs. Additional requirements may include, but are not limited to, a higher cumulative GPA, a GPA for courses in the undergraduate major, or valid standardized test scores for the Graduate Record Examination, Miller's Analogies Test, or Graduate Management Admission Test. Program requirements for candidacy are outlined in the "Academic Program Requirements" section of this catalog. Applicants must review this section of the catalog for the program in which they seek candidacy to insure that all of the requirements are met at the time of application. Completed files are copied to the Graduate School and to the program in which degree candidacy is requested.

**Timelines for International Applicants:** International applicants normally apply for a student visa (F-1) at the nearest United States

Consulate. Applicants must be admitted and approved for issuance of appropriate documents by the deadlines outlined below. Late applications will be processed on a case-by-case basis. Upon request, files may be updated for admission the following semester or term.

- Fall Semester: June 15 to apply for admission, June 30 to complete the application file
- Spring Semester: October 15 to apply for admission, October 30 to complete the application file
- Summer Term: April 1 to apply for admission, April 15 to complete the application file

### Admission to Graduate Degree and Certificate Programs

**Admission to the Graduate School:** Admission to the Graduate School is the first stage of admission for students seeking candidacy for master's or specialist's degrees or graduate certificate admission offered through an academic program. To be eligible for admission to the Graduate School and for degree candidacy or certificate admission, applicants must have obtained a baccalaureate degree from an accredited institution approved by Eastern Illinois University and achieved a minimum undergraduate cumulative grade point average (GPA) of 2.75 on a 4.0 scale or a 2.75 GPA on the last 60 hours of graded academic course work. Admission to the Graduate School does not guarantee degree candidacy in an academic program. For post-graduate candidates, the Graduate School criteria include completion of a graduate degree from an accredited institution approved by Eastern Illinois University and a minimum graduate GPA of 3.0 on a 4.0 scale.

**Admission to a Degree or Certificate Program:** Admission as a degree or certificate candidate is the second stage of graduate admission. Candidacy is granted only by an academic program. Academic programs may establish requirements for degree or certificate candidacy in addition to those established by the Graduate School. Additional requirements may include, but are not limited to, a higher cumulative GPA, a GPA for courses in the undergraduate major, or a valid standardized test score for the Graduate Record Examination, Miller's Analogies Test, or Graduate Management Admission Test. Program requirements for candidacy are outlined in the "Requirements for All Degree and Certificate Candidates" section of the *Graduate Catalog*. Applicants must meet the program requirements in order to achieve degree candidacy. The Graduate School requests a candidacy decision from the academic program. If the program approves candidacy, the Graduate School admits the student as a degree candidate in the designated program. If the academic program restricts that applicant to certain provisions, then the Graduate School admits the student as a provisional candidate in the designated program. Applicants who are denied degree candidacy or provisional candidacy are automatically re-classified as post-baccalaureate non-degree graduate students.

#### Admission as a Provisional Candidate and Limitations:

Provisional degree or certificate candidacy may be granted by a program to students who do not meet the minimum criteria established by the Graduate School, who do not meet the minimum criteria established by the program, or who do not have the required undergraduate preparation for degree or certificate candidacy. Students who are granted provisional candidacy are required to meet both the provisions of the Graduate School and the program before they become eligible for degree or certificate candidacy. The Graduate School provisions require completion of 12 or more semester hours of graduate course work while earning and maintaining a cumulative GPA of 3.00 or higher and completion of all of the provisions required by the program. Programs specify individual candidacy provisions and dates for completion of the provisions. The provisions and dates are maintained in the Graduate School. The Graduate School and the program will review the work of students in provisional candidacy. If candidates meet both the Graduate School requirements and the program provisions, they may be recommended for degree or certificate candidacy.

- **Hours Limitation:** No more than 12 semester hours of credit earned while in provisional candidacy may be applied to the degree or certificate program.

- **Course Limitation:** The Graduate School prohibits students in provisional candidacy from enrolling for independent study, thesis, internship, or workshop courses.
- **Financial Aid Limitations:** Students in provisional candidacy are not eligible for graduate assistantships or financial aid.

**Provisional Candidacy for Applicants from Non-Accredited Institutions and Limitations:** Provisional degree or certificate candidacy may be granted by the Council on Graduate Studies to students who have not completed baccalaureate degrees from regionally accredited institutions recognized by Eastern Illinois University. Applicants submit a letter to the Graduate Coordinator in the degree or certificate program and request that the Coordinator petition the Council to waive the regional accreditation admission criteria and substitute alternative institutional criteria and/or alternative student admission criteria. Alternative institutional criteria may include but is not limited to alternative forms of institutional recognition such as accreditation or affiliation with non-regional agencies or documents that summarize the mission and goals of the institution. Alternative student admission criteria may include but is not limited to test scores, portfolios, interviews, and/or other related student documentation. If the Coordinator agrees to petition the Council on the student's behalf, the Council will review the substitute documentation and render an admission decision. If granted provisional admission, the candidate will be required to complete 12 semester hours of graduate course work while earning and maintaining a cumulative GPA of 3.00 or higher and completion of any additional provisions required by the program. The provisions and dates are filed in the Graduate School. The Graduate School and the program will review the work of students in provisional candidacy. If candidates meet both the Graduate School and the program provisions, they may be recommended for degree or certificate candidacy. The same limitations outlined for other provisional candidates apply to provisional candidates admitted with alternative accreditation criteria.

#### Examinations Required for Candidacy:

■ <http://www.gre.org> ■ <http://www.eiu.edu/~acatest> ■ The first web site provides information on the Graduate Record Examination (GRE). The second web site provides information on the Miller Analogies Test (MAT). While examinations are not required for admission to the Graduate School, examinations may be required for degree or certificate candidacy in a program. Candidates should check the admission requirements of individual programs to insure compliance. Information on other examinations managed by the Educational Testing Service (ETS), including the Graduate Management Admission Test (GMAT) and Test of English as a Foreign Language (TOEFL), may be accessed from the GRE site. The Graduate School adheres to the policies of Educational Testing Services regarding the management of test scores. Only official test scores are accepted from ETS. Scores will be maintained for 5 years. The Graduate School will not forward test scores to other institutions or to the student. Students must request scores be forwarded to other universities or to themselves directly from ETS.

#### Undergraduate Cumulative Grade Point Average

- **Cumulative GPA:** The undergraduate cumulative GPA is defined as the final GPA as reflected on the official transcript of the institution granting the baccalaureate degree.
- **Last 60 Hours:** If no cumulative GPA is specified or if the institution uses a scale other than a 4.0 scale, the Graduate School will calculate the GPA for the baccalaureate institution on the last 60 hours. If applicants do not have a 2.75 cumulative GPA on the official transcript of the institution granting the degree, or if the undergraduate degree was earned from an accredited institution in a non-traditional program, the Graduate School will automatically calculate the GPA on the last 60 hours of graded academic course work. The cumulative GPA for the last 60 hours is calculated by identifying the most recent term in which the student has completed course work and counting backward until the term in which 60 semester hours was earned is identified. All of the hours in those terms will be included in the calculation.
- **Post-baccalaureate Courses:** Admission applicants may request that course work taken as a post-baccalaureate student

be considered in the computation of the GPA when calculating the GPA on the last 60 semester hours. Applicants must provide official transcripts of all post-baccalaureate course work and request that all post-baccalaureate work be included in the calculation. When such a request is made, the cumulative GPA is calculated by identifying the most recent term in which the student has completed course work and counting backward until the terms in which 60 semester hours are identified. All of the hours in those terms will be included in the calculation.

### Admission for Additional Baccalaureate Degrees

Students holding a baccalaureate degree from an accredited institution approved by Eastern Illinois University may seek an additional baccalaureate (undergraduate) degree. Admission to pursue an additional baccalaureate degree requires admission through the Graduate School by submission of an application, fee, and official transcripts. Students pursuing an additional baccalaureate degree are considered graduate students even though they are completing the requirements for an undergraduate degree program. The following regulations apply to students seeking an additional baccalaureate degree:

- Courses numbered 4750 or higher are graduate courses for all students pursuing an additional baccalaureate degree. These students must fulfill the standards for graduate study when enrolled for such courses and must meet all of the required graduate regulations.
- Courses numbered less than 4750 are undergraduate courses for all students pursuing an additional baccalaureate degree. The student must meet all of the required regulations that govern undergraduate degrees while pursuing the second or additional baccalaureate degree. Students are advised to consult the *Undergraduate Catalog* for undergraduate regulations and undergraduate degree requirements.

Following admission to the Graduate School, copies of the student's file are forwarded to the program in which the additional baccalaureate degree is requested and the program assigns an advisor. Students should consult with programs regarding the requirements for the additional baccalaureate degree. Whether an additional baccalaureate degree or a graduate degree is the more appropriate choice will depend upon the student's educational objectives. Students are urged to consult with coordinators of graduate study or other academic advisors to make this choice. The student's classification may also determine eligibility for types of financial assistance. Students are advised to contact the Financial Aid Office for information.

### Notification of Admission to Degree and Certificate Programs

- **Graduate School:** Students are notified of admission to the Graduate School after submitting completed application materials for both degree or non-degree admission. Once a student is notified of admission to the Graduate School, he/she is eligible to register for graduate courses. Eligibility to register for graduate courses does not constitute admission to a degree or certificate program. Notification of admission to the degree program is required for full admission to degree candidacy.
- **Degree or Certificate Program:** Students are notified of admission decisions for degree or certificate programs following receipt of all application materials. High-demand degree or certificate programs in which space is limited may make admission decisions only at specified times during the academic year. As a result, notification of decisions may not occur until some time after the formal deadline for application has passed. Applicants are advised to consult programs directly regarding program admission decision schedules.
- **Teacher Certification:** Students are notified of admission to the Graduate School after submitting completed application materials as a non-degree student. An official notification of admission to the Teacher Education program is issued by The College of Education & Professional Studies.
- **Alternative Teacher Certification:** Admission to the Alternative Teacher Certification program is required prior to

admission to the Graduate School. The Graduate School will receive notification of admission to the program and will proceed with official admission to the Graduate School.

#### Admission Offer Limitation

An offer of degree or certificate candidacy is limited to the term in which it is offered or the two subsequent terms. Candidates seeking to initiate study in one of the subsequent terms must provide a written request to the Graduate School to update the admission file to the desired subsequent term of study. Applicants are advised that programs may establish restrictions on initiating study in terms other than the one originally offered and may delay or deny subsequent term admission. Applicants who do not enroll within one calendar year must seek candidacy through a formal readmission process. Readmission requires resubmission of the application, fee, and official transcripts for candidates with undergraduate degrees from institutions other than EIU. Candidacy through readmission is not automatic. Applicants must meet any new admission requirements for the new term of candidacy. Programs may establish other restrictions on the limit of a candidacy offer.

#### Change of Status

■ <http://www.eiu.edu/~graduate/statuschange.htm> ■ This web site provides a printable change of status form. A student who wishes to change from candidacy in one degree program to another or a student with a post-baccalaureate non-degree classification must complete a change of status form in the Graduate School to be eligible for candidacy in the new program. The Graduate School will request a decision from the new program when status changes require a degree or certificate candidacy decision. If degree or certificate candidacy is approved by the new program, the student will be notified of the change. Students are required to meet all of the degree or certificate candidacy requirements of the new program in order to be eligible for candidacy.

#### Off-Campus Students Not Admitted to the Graduate School

The University offers graduate courses at off-campus locations to support professional development. A professional who holds a baccalaureate degree but does not seek admission to a graduate program may enroll for a one-to-three semester hour off-campus course for professional development as a professional off-campus (non-degree-seeking) student. To initially qualify for enrollment, students must complete a professional off-campus (non-degree-seeking) application, provide an official transcript verifying completion of a baccalaureate degree from an accredited college or university approved by Eastern Illinois University, provide evidence of a minimum GPA of 2.75 on a 4.0 scale for the degree, and submit payment of the Graduate School service fee each time they register as a professional off-campus (non-degree-seeking) student. Future enrollment in courses for professional development will require only the completion of the application and fee as long as the student registers again within a six year period. Students enrolled as professional off-campus (non-degree-seeking) students are not admitted to the Graduate School and, therefore, are not eligible to take courses on-campus or in degree programs established at off-campus sites. The credit earned as a professional off-campus student will not apply to a graduate degree at Eastern Illinois University.

### Admission to Non-Degree Study

Post baccalaureate students may pursue graduate study as non-degree students. To be eligible for admission to the Graduate School for non-degree options, applicants must have obtained a baccalaureate degree from an accredited institution approved by Eastern Illinois University. Non-degree areas of study typically have specific admission criteria. Applicants should consult the sections that outline the admission requirements for non-degree study options.

### Post-baccalaureate Teacher Certification

**Admission to the Graduate School:** Students seeking admission as post-baccalaureate non-degree teacher certification students are advised to consult with the College of Education and Professional Studies before making a formal application for admission to the

Graduate School. The consultation will provide information regarding the student's eligibility for admission to teacher education. Following consultation and completion of any pre-application requirements, students should apply for admission to the Graduate School. Applicants must meet the requirements for admission to the Graduate School for post-baccalaureate teacher certification options. Admission to the Graduate School does not constitute admission to teacher education and does not guarantee admission to teacher education.

**College of Education and Professional Studies Review & Requirements:** To initiate post-baccalaureate teacher certification, applicants complete a request for a transcript evaluation, pay the transcript evaluation fee in the Office of the Dean of the College of Education and Professional Studies, and provide evidence of having achieved a minimum undergraduate cumulative GPA of 2.65 on a 4.0 scale or having completed a master's degree with a minimum graduate cumulative GPA of 3.00. The College of Education and Professional Studies will then provide the student with an evaluation of coursework completed and additional coursework required for certification in the field identified. Post-baccalaureate students seeking a teaching certificate through any of EIU's state approved certification programs must meet the full intent of the respective programs. All previous course work, either graduate or undergraduate, will be evaluated in terms of current requirements. This will include general education, a major, and the professional education requirements.

- **Hours Prior to Student Teaching:** Post-baccalaureate students must complete a minimum of 15 semester hours at EIU prior to student teaching. Departments may require additional course work within their major to bring the student's background into compliance with the intent of this institution's state-approved certification program and may also require previous work to be repeated if it is outdated.

- **Students Seeking Admission to Teacher Education:** ■ <http://www.eiu.edu/ceps/teached/> ■ This web site provides teacher education admission guidelines. Candidates are also advised to consult the "Admission to Teacher Education" section of the Undergraduate Catalog or contact the College of Education and Professional Studies. Admission to Teacher Education is a selective process and admission to the Graduate School does not guarantee admission to teacher education. Post-baccalaureate students must meet all teacher education requirements including selection and admission to teacher education. Post-baccalaureate students must apply for admission to teacher education by attending a University admission to teacher education meeting within the first 30 days of enrollment as post-baccalaureate students.

- **Time Commitment:** Post-baccalaureate certification requires a commitment of a minimum of three or more semesters. Professional education course work and student teaching for some programs are sequenced over four semesters. For most students, the program takes about two years to complete. Not all courses are offered every semester and summer offerings may be limited. In order to be ready to register for classes, a student must have a completed transcript evaluation specifying all courses needed to earn certification.

- **Student Teaching:** Application for student teaching placement is a separate process. Candidates are advised to follow the instructions for student teaching placement as outlined in the "Student Teaching" section of the EIU Undergraduate Catalog.

- **Advisor Assignment:** An advisor in the College of Education and Professional Studies will be assigned for all post-baccalaureate students seeking teacher certification with the following exceptions: Special Education, Communication Disorders and Natural Sciences.

- **GPA:** Applicants with an undergraduate GPA of less than 2.65 on a 4.0 scale are not eligible for admission to post-baccalaureate non-degree teacher certification programs unless they have completed a master's degree with a minimum graduate cumulative GPA of 3.00. Applicants not meeting one of these two GPA criteria may appeal to the Council on Teacher Education and request the use of an alternative GPA. Applicants are advised to consult with the Dean's Office in the College of Education and Professional Studies regarding the

appeals process. The Council on Teacher Education will review all appeals and render a decision on whether or not to grant the requested action. The decisions of the Council on Teacher Education are final. Appeals for use of an alternative GPA require that the student provide evidence of all of the following criteria:

- Five or more years since completion of the baccalaureate degree.
- Successful work experience since the completion of the baccalaureate degree.
- Completion of 12 semester hours of post-baccalaureate course work relevant to teacher certification with a GPA of 3.0 or above.

### Alternative Teacher Certification

**Admission to the Graduate School:** Students seeking admission to the Alternative Teacher Certification Program are advised to consult with the Coordinator of Web-Based and Alternative Teacher Certification Programs before making a formal application for admission to the Graduate School. The consultation will provide information regarding the student's eligibility for admission to the program. Following consultation, students will receive application materials and may apply for admission to the Graduate School. Applicants must meet the requirements for admission to the Graduate School for non-degree study options. Admission to the Graduate School does not constitute admission to the Alternative Teacher Certification Program.

### Alternative Teacher Certification Review and Requirements:

■ [www.eiu.edu/~eiuttp](http://www.eiu.edu/~eiuttp) The Alternative Teacher Certification Program is designed to prepare individuals to teach in severe shortage areas and provides an intensive course of study in educational foundations, pedagogy, and methodology, followed by a year-long internship during which students are hired and paid as first-year teachers. Specifically, students enroll in a web-based course in May, then a full-time schedule of courses during the eight-week summer session. After successfully completing the summer coursework, students complete an internship during which they are hired as full-time teachers for the entire academic year. The program culminates in a brief comprehensive program assessment course that students take in the summer following their internship. Candidates for this program must meet admission requirements that differ somewhat from other post-baccalaureate certification programs. Prerequisites include having completed a bachelor's degree (GPA 2.65 or higher on a 4.0 scale) and a major or minor in the intended area of certification, having been employed for a period of at least five years in an area requiring application of the individual's education, having passed the Illinois Basic Skills test and applicable subject-matter test, and having secured a commitment from a school district to be hired (and paid as a full-time teacher) for the internship. Interested students should contact the Coordinator of Web-Based and Alternative Teacher Certification Programs for specific requirements, additional program details, and program limitations. For information, contact the Coordinator of the Alternative Teacher Education Program, College of Education and Professional Studies at the web site listed above or by phone at 217-581-6671.

### Courses for Licensure, Professional Development, or Personal Goals

Students seeking post-baccalaureate courses for licensure, professional development, or personal goals, but who do not seek to complete the requirements for a degree, may request enrollment as non-degree students. In addition, applicants who were denied degree or provisional degree candidacy may enroll for course work as post-baccalaureate non-degree students. However, non-degree students may be limited to enrollment in certain graduate or undergraduate courses. Students pursuing graduate courses as post-baccalaureate non-degree students are subject to the regulations governing graduate education and must fulfill the standards for study required of any graduate student. Should a non-degree student later apply for admission for degree candidacy, that student must meet all of the admission requirements for candidacy. There is no assurance that credit earned as a non-degree student will later apply toward the degree. With program approval, a student may apply no more than 12 semester hours earned as a post-baccalaureate non-degree graduate student toward a degree. Non-degree students are not eligible for financial aid.

## IV. Academic Regulations and Degree Requirements

### Course Definitions

#### Graduate Courses

Courses numbered 4750 or higher are graduate courses for all post-baccalaureate students. These courses constitute "graduate credit" and are used to calculate the graduate GPA on the student's transcript. There are restrictions on the number of hours of courses numbered 4750 to 4999 that graduate students may apply to degree or certificate programs. Students are advised to consult the sections of the Graduate Catalog that outline specific degree and certificate requirements for these restrictions.

#### Undergraduate Courses

All courses numbered below 4750 are undergraduate courses for all post-baccalaureate students. While such courses may be required to make up deficiencies, meet required prerequisites, meet the requirements for an additional baccalaureate degree, or fulfill teacher certification requirements, these courses are not available for graduate credit and will not be included in the calculation of the graduate GPA. Students are advised to consult the sections of this catalog titled "Academic Standing for Degree & Certificate Candidates" to review how undergraduate courses are recorded on transcripts.

#### Courses Numbered 4750 to 4999 for Undergraduate and Graduate Students

Courses numbered 4750 to 4999 are available to junior and senior baccalaureate students and are counted as undergraduate credit when completed by undergraduates. Courses numbered 4750 to 4999 may be taken by EIU seniors for reserve graduate credit with approval of the Graduate School. The criteria and approvals required to exercise this study option are described in the section of the Graduate Catalog titled "Graduate Study Options for Seniors at EIU." Undergraduates earning reserve graduate credit and graduate students enrolling in courses numbered 4750 to 4999 are required to achieve a level of understanding and performance above that expected of those enrolling for undergraduate credit.

#### Courses Numbered 5000 to 5499 for Undergraduate Students

Courses numbered 5000 to 5499 may be taken by EIU seniors only with approval of the Graduate School. The criteria and approvals required to exercise this study option are described in the section of the Graduate Catalog titled "Graduate Study Options for Seniors at EIU."

#### Courses Numbered 5500 or Higher

Courses numbered 5500 or higher are available only to graduate students. Undergraduates, regardless of classification or GPA, may not enroll in any graduate courses, numbered 5500 or above. This requirement may not be waived or appealed.

### Special and Distance Courses

#### Special Courses for Graduate Credit

■ <http://www.eiu.edu/~adulld/> This web site provides a list of course offerings. Students may access distance and special courses through the School of Continuing Education. The courses are numbered 4985 through 4999 and are offered off-campus or on-campus under the Special Courses provision. Degree and certificate

program candidates should review the section of the *Graduate Catalog* titled "Requirements for Degree and Certificate Programs" for restrictions on the number of hours of special courses that may be applied to a degree or certificate program.

#### Web Delivered Courses

■ <http://www.eiu.edu/paws/> Students admitted to the university can access web delivered courses for a specific term through the PAWS (Student Web Services) system. Degree and certificate candidates should consult academic programs regarding web delivered courses that may be applied to a specific degree program.

#### Graduate Research

Advancing scholarship through original research and creative activity are hallmarks of graduate education at Eastern Illinois University. Research and creative activity are reflected in requirements for graduate theses, research courses, independent study programs, and related research activities with graduate faculty members who mentor graduate candidates through the process of scholarly inquiry and expression in their academic disciplines. The following courses and programs are designed to promote and support graduate research.

#### Graduate Thesis

A thesis is a required component of some master's and specialist's degrees or options. The thesis is a scholarly contribution to knowledge in the candidate's selected area of study. Thesis research is conducted by degree candidates in consultation with a thesis committee and under the direct supervision of the thesis director who must be a regular member of the graduate faculty.

#### The Thesis Committee:

■ <http://www.eiu.edu/~graduate/faculist.html> This web site provides a current member list of graduate faculty. Thesis committees are typically composed of three members of the graduate faculty including the thesis director who serves as chair. The number of committee members may vary. Degree candidates enrolled in degree programs or options which require a thesis should identify a prospective member of the graduate faculty who will serve as the thesis director. The candidate, in consultation with the director, should identify other qualified members of the graduate faculty who will serve on the candidate's thesis committee.

#### Thesis Approval by Institutional Review Board and Institutional Animal Care and Use Committee:

■ <http://www.eiu.edu/~grants/> It is the joint responsibility of the faculty sponsor and the graduate student conducting research involving human or animal subjects to obtain compliance committee approval prior to initiating the research. Contact the department Graduate Coordinator or the Compliance Coordinator in the Office of Grants and Research for information regarding protocol review forms and the protocol review process. Instructions, forms, and information are available on the Office of Grants and Research website listed above.

#### Thesis Format and Style:

■ <http://www.eiu.edu/~graduate/thesismanual.pdf> This web site provides The Manual for Master's and Specialist's Thesis and the thesis deposit packet. All candidates completing a graduate thesis project should acquire a copy of the Manual which is also available in the Graduate School. The Manual provides basic guidelines of style and rigor required of the graduate thesis established by the Graduate School. Candidates are advised that programs may

establish additional guidelines for completing a thesis and should consult with advisors regarding these requirements.

### Completion of the Thesis:

All candidates earning degrees in a degree program or options requiring a thesis must obtain a Thesis Deposit Packet from the Graduate School which includes the Removal of Deferred Credit Grade Form, Binding Request Form, Thesis Deposit Certificate, and the Thesis Reproduction Certificate. Completion of the thesis requires the following steps:

- Removal of Deferred Credit Form: Thesis advisors should forward the Removal of Deferred Credit Form for a completed thesis to the Records Office by the Last Class Day published in the *Class Schedule*.
- Binding Request Form and Binding Payment: Candidates complete the Binding Request Form and submit payment for the requested number of bound thesis copies to the Cashier's Office. The Binding Request Receipt from the Cashier's Office authorizes the Library to make the requested number of bound copies of the thesis. The student takes the Binding Request Receipt to the Library.
- Deposit of the Thesis and Thesis Reproduction Certificates: Students provide the completed thesis, its abstract, and the Binding Request Receipt to the Periodicals Department of Booth Library. Upon submission of the completed thesis and thesis binding receipt, the Library will sign the Thesis Deposit Certificate. At this time the student will also provide the Library with two signed copies of the Thesis Reproduction Certificate.
- Thesis Deposit Certificate: The student provides the Graduate School with the signed Thesis Deposit Certificate by the Last Class Day published in the *Class Schedule*.

### Thesis Credit Hours:

A maximum of six semester hours of thesis may be applied to a degree and a maximum of nine semester hours of credit in a combination of independent study, research, or thesis may be applied to a degree. Candidates typically register for thesis hours during the semesters or terms in which they pursue the thesis; however, candidates are advised to consult with programs regarding specific procedures for thesis registration. During the time that the thesis is in progress but not yet completed, the thesis director should submit a grade of "DC" or Deferred Credit. Upon completion of all requirements for the thesis and the deposit of the completed thesis in the library, the thesis director should request that the grades of "DC" be changed to grades of "CR" or "Credit." If the candidate does not successfully complete all of the requirements for the thesis or if the thesis project is deemed of unacceptable quality by the thesis director, then the grades of "DC" should be changed to grades of "NC" or "No Credit."

### Graduate Independent Study

Graduate independent study is an advanced, individualized study of a topic or topics selected and self-directed by the graduate student under the supervision of a member of the graduate faculty. Graduate independent study is a commitment of the student to a rigorous plan of investigation that adds value and focus in a unique area of interest to a degree program or to a post-baccalaureate area of development. Graduate independent study proposals are typically submitted by students who have completed a significant number of graduate courses and have developed the background needed to pursue a topic independently. Proposals for an independent study include a statement of the goals of the project and a description of the intended final product of the project. Proposals must be on file in the department and be approved by the faculty advisor and coordinator of graduate studies or department chair prior to registration for the course. Students should consult the *Graduate Catalog* for departmental requirements for independent study. A maximum of six (6) semester hours may be applied to a degree and a maximum of nine (9) semester hours in a combination of independent study, research, or thesis may be applied to a degree.

### Graduate Research Courses

Graduate research courses may be a required component of some degree programs. Candidates should consult the *Graduate Catalog* for program requirements for graduate research courses. A maximum of six (6) semester hours may be applied to a degree and a maximum of nine (9) semester hours in a combination of independent study, research, or thesis may be applied to a degree.

### Resources to Support Graduate Research/Creative Activity

■ <http://www.eiu.edu/~graduate/compawardsstudents.htm> This web site provides application materials, guidelines, timelines, selection procedures, and award levels. The Graduate School sponsors a broad range of competitive awards programs to promote and support graduate research/creative activity. All candidates selected for any of the Graduate School research awards are required to present their proposal or completed projects during the Annual Graduate Student Exposition.

- **Graduate School Research/Creative Activity Awards Competition:** This program provides financial support for outstanding graduate research and creative activity projects that include opportunities for graduate candidates to partner with external businesses, industries, or educational agencies to foster improvements and development of new creative ideas.
- **Williams Travel Awards Competition:** Named in honor of a former Dean of the Graduate School, Dr. Larry Williams, Williams Travel Awards provide travel support for graduate candidates who have papers or creative works accepted for presentation at regional, state, or national conferences.
- **EIU Distinguished Master's Thesis Award and Award of Excellence Competition:** The EIU Distinguished Master's Thesis Award Competition provides recognition of the highest achievement in master's degree research. The selected project becomes the University's nomination for competition in the Midwest Association of Graduate School's Distinguished Thesis Competition. The EIU Master's Thesis Award of Excellence provides recognition of the second highest achievement in master's degree research based on those candidates who are nominated for the EIU Distinguished Master's Thesis Award Competition.
- **Graduate Exposition and Distinguished Graduate Students Awards Ceremony:** Co-hosted by the Graduate Student Advisory Council, the Council on Graduate Studies, and the Graduate School, the Graduate Exposition and Distinguished Graduate Students Awards Ceremony provide a forum during the spring term to showcase the research and creative activity of graduate students. The Awards Ceremony provides formal recognition of the achievements of graduate students who have distinguished themselves through scholarship, research, or leadership.

### Ethical Treatment of Human or Animal Subjects in Research

■ <http://www.eiu.edu/~grants/> Institutional policies require that all research conducted by faculty, staff, and students that involves human or animal subjects must be approved by the appropriate EIU compliance committee. Research involving living human subjects or data collected from living human subjects must be reviewed and approved by the EIU Institutional Review Board (IRB). Research involving the use of living animals must be reviewed and approved by the EIU Institutional Animal Care and Use Committee (IACUC). It is the joint responsibility of the faculty sponsor and the graduate student conducting research involving human or animal subjects to obtain compliance committee approval prior to initiating the research. Contact the department Graduate Coordinator or the Compliance Coordinator in the Office of Grants and Research for information regarding protocol review forms and the protocol review process. Instructions, forms, and information are also available on the Office of Grants and Research web site listed above.

### Applied Graduate Experiences

Advancing professional achievement through applied learning is another hallmark of graduate education at Eastern. The applied experiences described below may be requirements or electives in many degree programs.

### Graduate Internships

A graduate internship is a discipline-specific opportunity for a degree candidate to apply graduate knowledge and skills in professional practice at an on- or off-campus site under the supervision of qualified professionals.

Graduate students may be placed at internship sites only when the Board of Trustees of Eastern Illinois University and the agency, specified by its legal name, have signed a written agreement. The agreement must be signed by the Office of the Vice President for Business Affairs, the agency representative, and the program representative. An original copy of the agreement must be on file in the Vice President's and agency's offices, with copies of the agreement on file in the sponsoring department. An internship agreement requires the following information:

- An outline of the responsibilities, commitments, and supervision requirements of both the University and the agency.
- Specification of the intern's duties, expectations, and required range of weekly contact hours; student performance evaluation procedures; completion of a final written student report of the internship
- Specification of the qualifications of the on-site supervisor and supervisor evaluation procedures
- Specification of the role of the on-campus liaison, required site visits, and internship site evaluation procedures
- Time limits of the agreement and procedures for reviewing and up-dating the agreement to insure that the quality and nature of the experience are consistent with program goals, objectives, and standards.

Graduate internships require appropriate graduate study and preparation prior to internship placement in order to meet the expectations of the on-site agency. Internships are typically planned to be taken after the mid-point of the degree program is completed. A minimum of one week of full-time experience is required for each semester hour of credit. Full-time experience usually requires six clock hours each day, culminating in about 30 clock hours of experience each week. The Graduate School requires that a minimum of 21 semester hours be completed in courses exclusive of internship and other variable credit experiences as independent study, research, thesis, and special courses and workshops. Programs may restrict the number of semester hours of internship that may count toward the degree program.

### Graduate Study Abroad

The study abroad curriculum includes both opportunities to experience the University's courses at an international site or to engage in an exchange program for a full term or year of study abroad. Candidates should consult with program advisors regarding study abroad applications to degree programs and with the Office of Study Abroad to determine study abroad options.

### Graduate Faculty Membership for Graduate Study

■ <http://www.eiu.edu/~graduate/faculist.html> This web site provides a current list of regular, associate and adjunct graduate faculty members. The Council on Graduate Studies has established a policy that all courses in which students receive graduate credit are taught by members of the faculty who have been awarded regular, associate, or adjunct graduate faculty status. Regular members of the graduate faculty meet the criteria established by the Council and may teach graduate courses, advise degree-seeking candidates, serve as thesis study directors or as members of a committee for a degree candidate, and serve on university-level graduate committees. Associate members of the graduate faculty are EIU professors who do not meet the criteria for regular membership but who are appointed for a one-year term when regular members, due

to sabbatical, leave, or other reasons, are not available to teach a specific graduate course. Adjunct members of the graduate faculty are professionals from outside of the University whose expertise is required to teach a specific graduate course. Adjunct members are appointed for one-year terms. Criteria for graduate faculty nomination and a list of members are available at the web site listed above.

### Oral English Proficiency

Eastern Illinois University has adopted a program of Oral English Proficiency Assessment for all instructional staff. Students who have difficulty understanding an instructor should, if possible, first consult with the instructor. In the event that the difficulties are not resolved, the student should address his/her concerns to the chair of the department in which the instructor is teaching. Subsequent appeals may also be possible through the dean and then to the Provost/Vice President for Academic Affairs.

### Graduate Credit and Grading Policies

#### Credit

The unit of measure is the semester hour. One semester hour approximates the effort expended in 50 minutes of class work and 100 minutes of study during each week of the semester. One semester hour also approximates the effort expended in at least a 50 minute laboratory or other scheduled class activity per week (for example, art studio). Laboratories or other scheduled class activities often require more scheduled instruction and fewer minutes of study outside the time scheduled; therefore, laboratories or other scheduled class activities may be scheduled for more instructional minutes for one semester hour of credit depending on the discipline and nature of the laboratory. Any exception to these policies requires approval of the Council on Graduate Studies; exceptions will appear in the course descriptions approved through the established curricular process.

#### Grades

Grade	Description	Value
A	Excellent and Acceptable Credit	4
B	Good and Acceptable Credit	3
C	Limited for Graduate Level Credit	2
D	Unacceptable for Graduate Level Credit	1
F	Failing - No Credit	0
CR	Credit	-
NC	No Credit	-
I	Incomplete	-
DC	Deferred Credit	-
W	Withdraw-- No Grade	-
WP	Withdraw-- Passing	-
WF	Withdraw-- Failing	-
X	No Grade Submitted	-
AU	Audit	-

#### Grades of A and B

Grades of A and B reflect the level of competence that is acceptable for graduate credit.

#### Grades of C

Grades of C are limited for graduate level credit. Grades of C may be used to fulfill the requirements for a degree program; however, a graduate candidate receiving more than nine semester hours of graduate level credit with a grade below a B is disqualified from degree candidacy. Disqualified candidates are automatically reclassified as non-degree post-baccalaureate students.

#### Grades of D or F

Both grades of D and F are unacceptable for graduate-level credit. Courses in which a graduate candidate earns a grade of D or F may not be used to fulfill any requirements for the degree program. A graduate candidate receiving more than nine semester hours of graduate-level credit with a grade below B is disqualified from degree candidacy. Disqualified candidates are automatically reclassified as non-degree post-baccalaureate students.

**Credit/No Credit**

Certain graduate courses such as thesis, independent study, field study, or internship, may be designated by a department or program as "credit/no credit." Students who successfully fulfill the requirements for a course designated credit/no credit receive a "CR" on their transcript. Students who do not successfully fulfill the requirements receive an "NC" for the course. The credit/no credit designation is only available to those courses so designated.

**Incomplete for Courses**

The grade "I" or "incomplete" for graduate courses in which letter grades are earned is given only when, because of illness or other valid reason, a student's progress in a course is delayed so that not all requirements for the course are fulfilled by the official closing date of the term. Procedures for assigning and removing incomplete grades are outlined below.

• **Assignment of Incomplete and Default Grades:** Instructors who assign a grade of "I" are required to submit the Assignment of Incomplete/Alternate Grade Form to the Records Office. This form specifies a default grade for the incomplete work at the time that the grade of "I" is recorded. A grade of "F" shall be the default grade if the instructor fails to provide a default grade. The instructor also completes Step 1 of the Assignment and Removal of Incomplete Grade Procedures Form available at the Graduate School web site and provides a copy to the program chair or graduate coordinator.

• **Submission of a Completion Plan:** The instructor and student complete Step 2 of the Assignment and Removal of Incomplete Grade Procedures Form and develop a completion plan. Copies are submitted to the program chair or graduate coordinator no later than the mid-term date published in the Class Schedule of the next term the student is in residence or no later than mid-term one calendar year from the end of the term in which the grade of "I" was received.

• **Decision on Completion of the Required Course Work:** Students receiving a grade of "I" must execute the completion plan no later than the Last Class Day published in the Class Schedule of the next grading period in which the student is in residence but not later than the Last Class Day one calendar year from the end of the term in which the grade of "I" was received. The instructor completes Step 3 of the Assignment and Removal of Incomplete Grade Procedures Form and provides a copy to the program chair or coordinator. If the work is successfully completed, the instructor also submits a Grade Correction Form to the Records Office no later than four days prior to the official close of the term. Students who fail to implement the completion plan by the stated deadline will be issued the instructor supplied default grade or a grade of "F" if no default grade was issued. Instructors should notify students who fail to implement the completion plan that the default grade will be issued. Graduate students admitted on or after the Fall of 2003 may not be certified for degree completion if any grades of "I" remain on the transcript.

**Deferred Credit**

Graduate courses designated as credit/no credit such as field-experience, independent study, thesis, or research and requiring work of a continuing nature over several terms before the final project is completed may receive the grade "DC" or "Deferred Credit." Deferred Credit designates that the student remained enrolled for credit throughout the term and that the project is continuing into another term. Upon completion of the final project, the instructor will file a Grade Correction Form with the Records Office no later than four days prior to the official close of the term published in the Class Schedule. If a Grade Correction Form is not submitted then any "DC" grades remaining on the transcript will be changed to "NC" at the time the degree is completed or within the six year time limit or approved time limit extension. Graduate students admitted on or after the Fall of 2003 may not be certified for degree completion if any grades of "DC" remain on the transcript.

**No Grade Submitted**

The designation of "X" indicates that a grade was not submitted to the Records Office for the course. Students should consult with the course instructor, program chair, or graduate coordinator regarding this designation.

**Withdrawal with No Credit**

Students withdrawing from a course or from the University within the first 10 class days of the semester receive no grade for the course. Students withdrawing from a course or from the University between the 11th day and the Friday of the 9th week of the term will receive the grade designation of "W" or "Withdraw" on the transcript.

**Withdrawal Passing or Withdrawal Failing**

Students who withdraw after the Friday of the 9th week of class but before the Friday of the 11th week of class will receive a "WP" or "Withdraw Passing" if the work in the course is passing. The "WF" or "Withdraw Failing" will be given if the work in the course is failing. Students may not initiate withdrawal from a course later than the Friday of the 11th week of the semester. Cutoff dates for intersession and summer terms are reduced proportionally. Specific withdrawal dates are listed in the *Class Schedule* published each term.

**Late/Retroactive Withdrawals**

A student may request a late/retroactive withdrawal through the course instructor when a documented illness or extraordinary circumstance prevents withdrawal from a course by the established deadlines. Failing a class is not an appropriate reason to seek a late/retroactive withdrawal. Students who are failing a course should follow the "Repeating Courses" policy stated in the catalog. The Registration Office will forward all appeals of the Registrar's determination of Late/Retroactive Withdrawal to the Appeal Committee, whose decision is final.

**Audit**

With permission of the instructor, graduate candidates may enroll for a class as an auditor. Courses that are audited cannot be included as part of a degree program. Students must obtain an audit card from the Registration Office and return the completed card signed by the instructor of the class to the Registration Office. Deadlines to submit audit requests are listed in the *Class Schedule* published each semester. If the student satisfies the audit requirements established by the course instructor, then the "AU" designation will appear on the transcript. If the course instructor determines that the student's performance did not meet the audit requirements, no grade entry will appear on the transcript. Courses taken under the audit category are considered part of the maximum load. Tuition and fees for auditing courses are the same as courses taken for credit.

**Withdrawal from the University**

A student who wishes to withdraw completely from the University before the end of a semester or summer term must drop all classes using the PAWS (Student Web Services) system. Students need to clear all obligations with the University, including the return of textbooks and library books, the return of departmental equipment loaned to the student, payment of all bills and fines, etc. After the student withdraws, the Registration Office notifies appropriate departments and agencies of the withdrawal. Policies governing withdrawal because of a call to active military duty are administered by the Dean, Enrollment Management. Requests for complete withdrawal for medical reasons are processed by the Medical Director, University Health Service. Given appropriate clinical circumstances, the Counseling Center will assist students in obtaining a medical withdrawal for psychological reasons. Policies governing grading upon withdrawal from the University are equivalent to those listed in the sections of this catalog titled "Withdrawal with No Credit" or "Withdrawal Passing or Withdrawal Failing." Policies governing billing of tuition and fees are summarized in the "Refunds" section of the *Graduate Catalog*.

**Repeating Graduate Courses**

Graduate students may repeat graduate courses in which a grade of D or F was received. Both the original grade and the repeated grade will be recorded on the transcript and will be included in the computation of the graduate GPA. If the grade earned for the repeated course is a C or better, the course and the semester hours may be applied to the degree or certificate program. If the grade for

the repeated course is less than a C, neither the course nor the semester hours may be applied to the degree or certificate program. With prior approval of the academic program, graduate students may repeat any course numbered 4750 or above in which a grade of A, B, C, or CR was previously earned and which is not normally repeated. The repeated course and course grade will appear on the student's transcript; however, the repeated course credit will not count toward degree requirements nor will the grade be included in the calculation of the graduate grade point average.

**Previously Earned Credit****Transfer Credit**

■ <http://www.eiu.edu/graduate/TransferCreditForm.pdf> Candidates may request that graduate courses completed at another institution be considered for transfer to a graduate degree program at Eastern Illinois University. All courses accepted for transfer credit must meet the criteria outlined below. Approval for transfer credit by Eastern Illinois University prior to completion of the courses in order to verify that the courses meet the transfer criteria is recommended but not required. If prior approval is not obtained, there is no guarantee that the transfer work will be accepted for application to a degree program. Approval Process: Approval for transfer credit is a four step process guided by the Graduate Transfer Credit Approval Form accessible at the web site listed above.

- Candidates obtain written documentation from the Graduate School at the transfer institution that the course meets the criteria specified below.
- The documentation is reviewed and approved by the appropriate EIU coordinator of graduate study or program chair.
- The documentation is reviewed and approved by the certification officer in the Graduate School. Non-authorized verbal or written agreements of prior-approval between candidates and coordinators of graduate study, program chairs or program advisors are not recognized by the Graduate School.
- Credit for the course is documented upon completion of the course by providing official transcripts to the Graduate School by the Last Class Day published in the Class Schedule.

Transfer Criteria: To be acceptable for transfer to Eastern Illinois University as graduate credit applicable to a degree program, transfer courses must meet the following criteria:

- The courses must be earned from an accredited institution approved by Eastern Illinois University.
- A copy of the "Transcript Guide" provided on the back of official transcripts, or an equivalent document, must be on file with the Graduate School to document that the course number is equivalent to graded graduate credit applicable to a degree program at the transfer institution.
- The course must be offered for graded credit equivalent to an "A" or "B" and not "CR" or "Credit," "Pass" or any other form of non-graded credit.
- The course must be approved by the program as acceptable for transfer to a degree program. Some EIU graduate programs publish lists of courses that are acceptable for transfer credit and restrict acceptance to specific institutions and courses.
- The course must be approved by the certification officer in the Graduate School as acceptable for transfer to a degree program.

**Transfer Credit Restrictions:**

- Courses taken prior to the receipt of a baccalaureate degree at another institution may not be counted toward a graduate degree program at EIU.
- Courses taken to meet the requirements of a master's degree at a transfer institution may not be counted toward another master's degree program at EIU. Candidates should review the section of the catalog titled "Requirements for the Specialist's Degree" and "Requirements for Graduate Certificate Programs" for information on previous graduate credit that may be applied to a specialist's degree or graduate certificate program.

- Correspondence courses may not be used for graduate credit in a degree program at EIU
- Continuing professional development units (CPDUs) that are offered to meet continuing education requirements and that are not applicable to degree programs at the transfer institution may not be used for graduate credit in a degree program at EIU
- Transfer credit is subject to the six-year time limit on master's and specialist's degrees established by the Graduate School
- The student must earn a grade of "B" or better to be accepted for credit.
- A maximum of 11 semester hours of graduate course work may be considered for transfer to a degree program

**Undergraduate Deficiencies**

When undergraduate preparation is inadequate in the major field of study or when deficiencies in an area of concentration are identified by the program, students will be required to take additional undergraduate course work to achieve the required level of competence. Undergraduate deficiencies must be made up without credit toward the graduate degree or certificate program.

**Academic Load****Full-Time Enrollment Fall, Spring, and Summer**

Graduate students are considered academically full-time during the fall, spring, and summer terms and meet the full-time enrollment requirements for student loan deferments and good student discounts when enrolled for nine semester hours of course work that may include any combination of undergraduate or graduate courses. All courses in which the student registers apply including graduate courses (4750 or higher), undergraduate courses (below 4750), audited courses, and continuing education courses.

**Enrollment Limitation for Fall, Spring, and Summer**

Graduate students may enroll for a maximum of 16 semester hours of graduate courses (courses numbered 4750 or higher) during the fall or spring term. Graduate students may enroll for a maximum of 13 semester hours of graduate courses (courses numbered 4750 or higher) during the summer term. Graduate credit on- and off-campus continuing education courses are included in the limitation. The enrollment limitation for graduate courses may not be waived or appealed.

**Enrollment Requirements for International Graduate Students**

International graduate students are considered academically full-time during the fall and spring semesters and meet full-time enrollment requirements to maintain F-1 immigration status when enrolled for nine semester hours. Summer enrollment is optional if the international candidate was full-time during the fall and spring terms and is returning for the next academic year. All courses in which the international student registers apply including graduate courses (4750 or higher), undergraduate courses (below 4750), audited courses, and continuing education courses.

**Enrollment Requirements for Graduate Assistants**

■ <http://www.eiu.edu/~graduate/GAReg.html> This web site provides a copy of the Graduate Assistantship Regulations. Graduate assistants fulfill the terms of their assistantship contracts during the fall and spring terms when enrolled for a minimum of nine semester hours and a maximum of 16 semester hours of graduate courses (courses numbered 4750 or higher) or required prerequisites. Graduate assistants are advised to consult the section of the Graduate Catalog titled "Graduate Assistantships" and to consult the Graduate Assistantship Regulations for a full review of policies governing assistantships. Graduate assistants fulfill the terms of their assistantship contracts during the summer term when enrolled for a minimum of three semester hours and a maximum of thirteen semester hours of graduate courses (courses numbered 4750 or higher) or required prerequisites during the summer term; however, enrollment in nine semester hours is required to be certified as academically full-time for student loan deferments and good student discounts.

## Grade Point Average Calculation

### Grade Point Average and Hours for Courses Numbered 4750 or Higher

Graduate courses for all graduate students are courses numbered 4750 or higher and both the semester and cumulative graduate grade point averages are calculated only for those courses. The graduate grade point average is used to determine academic standing for all graduate students including degree and certificate candidates and students enrolled in post baccalaureate options. The number of grade points for a grade in a given graduate course is found by multiplying the grade-point value by the number of semester hours which may be earned in the course. The graduate cumulative grade-point average is computed by dividing the total number of grade points which a student has earned in all courses numbered 4750 or higher which were taken for a grade at EIU (excluding courses in which a student has a grade of "I," "DC," "CR," "NC," "W," "WP," "WF," "AU," or "X") and dividing by the total number of semester hours. On the graduate transcript, the "Graduate Program Hours" refers to the number of semester hours for courses numbered 4750 or higher and the semester grade point average is calculated only for courses numbered 4750 or higher. At the end of the transcript, a summary that includes the graduate cumulative hours, grade points, and grade point average appears and includes only those courses numbered 4750 or higher.

### Grade Point Average and Hours for Courses Below 4750

Graduate students may be required to enroll in courses numbered below 4750 to make up undergraduate deficiencies or prerequisites while pursuing a graduate degree, to complete requirements toward an additional bachelor's degree, or to meet teacher certification requirements. All graduate students who complete courses numbered below 4750 will receive credit for the courses but the semester hours will not be counted toward the total number of graduate hours and the grades earned will not be used in the calculation of the graduate grade point average. On the graduate transcript, the grade points for courses below 4750 will appear in brackets. A separate grade point average will be calculated for courses below 4750 and will appear at the end of the transcript with a summary titled "Post Undergraduate Hours." This summary includes the cumulative number of semester hours, grade points, and grade point average for courses below 4750. This grade point average for courses below 4750 is not used to determine graduate standing, but may be used by programs to determine the academic standing of post-baccalaureate options including a second bachelor's degree program or teacher certification programs.

## Academic Standing for Graduate Degree and Certificate Candidates

### Good Standing

Graduate students admitted to degree or certificate candidacy are required to be in good graduate standing. Good graduate standing is defined as maintaining a graduate cumulative GPA of 3.00 or higher for all graduate course work.

### Academic Warning

Graduate degree and certificate candidates are in academic warning when their cumulative GPA is below 3.00 but higher than 2.50. Candidates in academic warning may be afforded the opportunity to raise the cumulative GPA to the required 3.00 during the next semester in which they are enrolled. It is the candidate's responsibility to monitor academic standing. Candidates who fail to make the required progress toward good standing may be notified by the Graduate School when they are in academic warning.

### Loss of Graduate Degree or Certificate Candidacy

- **GPA:** If a degree or certificate candidate in academic warning fails to return the cumulative GPA to the required 3.00 level during the next term in which he/she is enrolled, degree and/or

certificate candidacy may be lost and the student may be reclassified as a non-degree graduate student. It is the candidate's responsibility to monitor the GPA.

- **Grades Below B:** A degree or certificate candidate receiving more than nine semester hours of graduate credit with a grade below B may be disqualified from degree or certificate candidacy and may be reclassified as a non-degree graduate student upon the recommendation of the program or the Graduate School.
- **Other Reasons:** Academic programs may rescind degree or certificate candidacy for other reasons not specified in this catalog. It is the candidate's responsibility to be in compliance with university and program policies.
- **Non-degree Requirements:** Non-degree students must maintain a cumulative GPA of 2.50 or higher to continue to pursue graduate course work. It is the candidate's responsibility to monitor the GPA.

### Restoration of Graduate Degree or Certificate Candidacy

Restoration of graduate degree or certificate candidacy requires a petition to the Council on Graduate Studies. A degree or certificate candidate who is reclassified as a non-degree student because of a low GPA, an excess number of credits below B, or for other reasons may continue to take graduate courses as long as a GPA of 2.50 or higher is maintained. Some programs have policies that restrict access to certain graduate courses for non-degree students; therefore, a student reclassified as non-degree may no longer have access to all graduate courses even though he/she maintains a GPA of 2.50 or higher. If the student restores the cumulative GPA to 3.00 or higher he/she may request reinstatement to degree or certificate candidacy. Similarly, students who have an excess number of credits below "B" or who have been reclassified for other reasons, but who maintain or restore the cumulative GPA to 3.00 or higher, may request reinstatement to degree or certificate candidacy. Degree and certificate candidacy reinstatement may be requested to the original program or to a new degree or certificate program. There is no guarantee that a student reclassified as non-degree can be reinstated as a degree or certificate candidate in the original program or in a new program. Students initiate reinstatement of candidacy through the Graduate School waiver and appeals process. Students should consult the section of the Graduate Catalog titled "Graduate Waiver and Appeals Process" for guidelines.

### Academic Dismissal of Graduate Degree or Certificate Candidates

Graduate students admitted to degree or certificate candidacy who complete 12 or more semester hours may be dismissed from the University if their graduate cumulative GPA falls below 2.50. Similarly, all degree or certificate candidates reclassified as non-degree students due to a low GPA or an excess number of grades below B may be dismissed from the University when their graduate cumulative GPA falls below 2.50 after completion of 12 or more semester hours of graduate course work.

### Academic Standing for Graduate Assistants

Graduate assistants must meet the GPA, enrollment and other requirements in order to continue assistantship eligibility. Graduate assistants are advised to consult the section of the *Graduate Catalog* titled "Graduate Assistantships" for detailed information regarding these requirements.

### Academic Standing for Students Enrolled for an Additional Baccalaureate Degree

Students admitted to the Graduate School to pursue an additional baccalaureate degree must meet two sets of criteria for academic standing. These include the criteria for graduate standing for courses numbered 4750 or higher and academic standing for courses numbered less than 4750.

- **Graduate Standing:** Students pursuing an additional baccalaureate degree remain in good graduate standing by achieving a 2.50 or higher graduate cumulative GPA upon

completion of 12 or more semester hours of courses numbered 4750 or higher. Students may be dismissed as non-degree graduate students when their cumulative graduate GPA falls below 2.50 after completion of 12 or more hours of coursework above 4750.

- **Good Standing for Courses Below 4750:** In addition to retaining good graduate standing, post-baccalaureate students pursuing an additional baccalaureate degree must achieve the standards for good standing for a baccalaureate degree outlined in the *Undergraduate Catalog* for courses numbered less than 4750. Students enrolled for an additional baccalaureate degree are held to the conditions outlined for Academic Warning, Academic Probation, Academic Dismissal, and Reinstatement Following Academic Dismissal in the *Undergraduate Catalog* while completing the requirements for an additional baccalaureate degree.

## Academic Standing for Students Enrolled for Post-baccalaureate Teacher Certification

Students admitted to the Graduate School to pursue post-baccalaureate teacher certification must meet two sets of standards for academic standing. These include the criteria for graduate standing for courses numbered 4750 or higher and academic standing for courses numbered less than 4750.

- **Graduate Standing:** For students pursuing post-baccalaureate Teacher Certification, good graduate standing is defined by achieving a 3.00 cumulative GPA upon completion of 12 or more graduate hours. Graduate hours are courses numbered 4750 or higher. Non-degree post-baccalaureate students pursuing teacher certification may be dismissed from the teacher certification option when their cumulative graduate GPA falls below 3.00 after completion of 12 or more hours.
- **Good Standing for Courses Below 4750:** In addition to retaining good graduate standing, post-baccalaureate students pursuing teacher certification must achieve a 2.65 GPA for all courses numbered less than 4750. Students may be dismissed from the teacher certification option when the GPA for post undergraduate hours falls below 2.65.

## Academic Standing for Non-Degree Graduate Students Pursuing Licensure, Professional Development, or Personal Goals

Non-degree students pursuing licensure, professional development, or personal goals are required to achieve a cumulative graduate GPA of 2.50 or higher for all graduate course work (courses numbered 4750 or higher) upon completion of 12 or more semester hours. Remaining in good standing is required to continue to pursue course work in the desired non-degree study option. Non-degree students may be dismissed from the University when their cumulative graduate GPA falls below 2.50 after completion of 12 or more semester hours of graduate course work.

## Requirements for All Degree and Certificate Candidates

Regardless of the type of graduate degree or academic program, all graduate degree and certificate candidates must meet the following requirements. Candidates hold final responsibility for knowing and completing these requirements.

- **GPA:** All candidates earning degrees or completing certificate programs must achieve and maintain a graduate cumulative 3.00 GPA (4.00 scale) for all courses numbered 4750 or higher taken for graduate credit at Eastern Illinois University and for all courses listed on the Graduate Study Plan. This requirement may not be waived or appealed.
- **Study Plan:** All candidates must have a Graduate Study Plan submitted from the academic program to the certification officer in the Graduate School for each degree or certificate program

the candidate seeks to complete. The Graduate Study Plan and the Certificate Study Plan are an approved list of all courses and their recommended sequence that fulfill requirements for degrees or certificates as specified in the regulations for degrees and certificates required by the Graduate School and the academic program. Upon achieving degree candidacy or certificate admission, candidates are required to consult with program advisors to develop a Graduate Study Plan or Certificate Study Plan. The coordinator of graduate study submits the Graduate or Certificate Study Plan electronically to the certification officer in the Graduate School no later than the mid-term date published in the *Class Schedule* during the final term of study. Coordinators must alert the certification officer to any changes to the study plan that are made after the mid-term deadline. Candidates are responsible for securing a copy of the study plan from the coordinator.

- **Time Limitation:** Degree and certificate candidates must fulfill all of the requirements for graduate degrees or certificates outlined on the study plan within six consecutive years. The six-year time limit ensures that the degree and/or certificate represent a well-sequenced, cohesive body of current knowledge that progresses over consecutive semesters of study. All course work listed on the candidate's Graduate Study Plan or Certificate Study Plan, including transfer credit, field experience, independent study, research, thesis, and internships, must be completed within the six-year time limit. The earliest term in which a course listed on the Graduate or Certificate Study Plan was taken marks the beginning of the six year time period. Exceptions may be requested through the Graduate School Waiver and Appeals Process when progress toward completion of the degree or certificate is interrupted by obligations or circumstances which are beyond the control of the student.

## Requirements for the Master's Degree

Masters' degrees include the Master of Arts, Master of Science, and Master of Business Administration degree. All masters' degrees must meet the requirements and restrictions outlined below and the requirements specified by the academic program in the "Academic Program Requirements" section of the catalog. Candidates hold final responsibility for knowing and completing these requirements.

### Requirements

- **Total Semester Hours:** A minimum of 32 semester hours of study is required for all non-thesis options. A minimum of 30 semester hours of study is required for all thesis options or the recital option for candidates in the Master of Arts in music program. Candidates are advised to review the *Academic Program Requirements* section of the catalog for minimum hours required by academic programs. This requirement may not be waived or appealed.
- **Residency Semester Hours:** A minimum of 21 semester hours of the 32 hour non-thesis option is required in residence. A minimum of 19 semester hours of the 30 hour thesis option is required in residence. Residence is defined as credit for courses taught by Eastern Illinois University faculty at on-campus or off-campus sites. This requirement may not be waived or appealed.
- **5000 Level Semester Hours:** A minimum of 22 semester hours of the 32 hour non-thesis option must be in courses numbered 5000 or higher. A minimum of 20 semester hours of the 30 hour thesis option must be in courses numbered 5000 or higher.

### Restrictions

- **Research, Internship and Special Course Restrictions:** A minimum of 21 semesters hours of the 32 hour non-thesis option or the 30 hour thesis option must be completed in courses exclusive of independent study, research, thesis, internship, and special courses.
- **4750-4999 Hour Restrictions:** A maximum of 10 semester hours of courses numbered 4750 to 4999 may be applied to degree programs.

- **Research Hour Restrictions:** A maximum of six semester hours of independent study may be applied to a degree. A maximum of six semester hours of research may be applied to a degree. A maximum of six semester hours of thesis may be applied to a degree. A maximum of nine semester hours in a combination of independent study, research, or thesis may be applied to a degree.
- **Non-degree Hour Restrictions:** A maximum of 12 semester hours earned as a non-degree student may be applied to a degree. There is no guarantee that any credit earned as a non-degree student may later apply to a degree.

### Requirements for a Second Master's Degree

The requirements for a second master's degree include completion of the same requirements outlined for a master's degree. These include the requirements for all degree candidates, the requirements specific to a master's degree and the requirements specified by the academic program.

### Requirements for the Master of Science in Education Degree

The departments in the College of Education and Professional Studies have established special procedures to insure that students seeking initial, standard, or additional teacher certification while completing graduate degrees comply with established certification standards. Students are advised to consult with both the department chair in the specified department and the Teacher Certification Officer in the College of Education and Professional Studies to obtain information on admission, certification, and degree requirements. Similarly, students seeking special endorsements should initiate the endorsement application through the department chair in the specific department that offers the endorsement and the certification officer in the College of Education and Professional Studies. Requirements and restrictions for the Master of Science in Education Degree are listed below.

#### Requirements

- **Master's Degree Requirements:** All of the requirements specified for the Master's Degree apply to the Master of Science in Education degree.
- **Education Semester Hours:** A minimum of eight semester hours must be chosen from the following courses. Candidates must consult department advisors for department specific selection requirements.
 

EDF 5500 Curriculum Development.....	3 sh
EDF 5510 Social Foundations for Educational Practice .....	3 sh
EDF 5530 Philosophy for Educational Practice <b>OR</b>	
EDF 5535 Philosophy of Education: Clinical .....	2 sh
EDF 5540 History for Educational Practice .....	2 sh
EDF 5550 Comparative and International Education.....	3 sh
EDP 5300 Psychological Foundations for Educational Practice .....	3 sh
- **Discipline Semester Hours:** A minimum of 16 semester hours must be selected in the discipline. The courses in this group constitute an area of specialization. The courses may be taken in a single department or in more than one program; however, the unifying principle is the relationship to the candidate's field of teaching specialization. Candidates must consult program advisors for program specific selection requirements.
- **Master's Degree Restrictions:** All of the restrictions specified for the Master's Degree apply to the Master of Science in Education degree.

### Requirements for the Specialist's Degree

All specialist's degrees must meet the requirements and restrictions outlined below and the requirements specified by the academic program in the "Academic Program Requirements" section of the catalog. Candidates hold final responsibility for knowing and completing these requirements.

#### Requirements

- **Total Semester Hours:** A minimum of 64 semester hours of study is required for all specialist's degrees. Programs often

establish minimum requirements of study above the minimum semester hour limits set by the Graduate School. Candidates are advised to review the "Academic Program Requirements" section of the catalog for minimum program requirements. This requirement may not be waived or appealed.

- **New Semester Hours:** Of the 64 semester hours, a minimum of 32 semester hours of graduate course work must be new course work earned within the six-year time limit. The remaining 32 semester hours may be hours earned for a previous graduate degree and are not required to fall within the six-year time limit. See the section on "Previously Earned Graduate Credit" in the *Graduate Catalog*. This requirement may not be waived or appealed.
- **Residency Semester Hours:** A minimum of 21 semester hours of study in residence is required for the new coursework. Residence is defined as credit for courses taught by Eastern Illinois University faculty at on-campus or off-campus sites. This requirement may not be waived or appealed.
- **5000 Level Semester Hours:** New course work for a specialist's degree must be numbered 5000 or higher.

### Requirements for Graduate Certificate Programs

A non-degree certificate program is a specified series of credit courses which define a set of learning objectives and competencies essential to a defined area of study. Post-baccalaureate certificates verify an area of competency that enhances the knowledge base of degree seeking candidates or defines a specific area of competency for non-degree students. Post-master's certificates verify an additional area of competency beyond that required for the graduate degree. Certificate programs are verified on university transcripts, but are not equivalent to external certification granted by state or national certification agencies. Certificate candidacy is a non-degree enrollment option, therefore candidates are not eligible for assistantships or other forms of financial aid.

#### Requirements

- **Total Semester Hours:** A minimum of 18 semester hours of study is required for all certificate programs. Certificate programs often establish minimum requirements of study above the minimum semester hour limits set by the Graduate School. Candidates are advised to review the *Academic Program Requirements* section for minimum program requirements. The 18 semester-hour minimum requirement for a certificate may not be waived or appealed.
- **Residency Semester Hours:** A minimum of 9 semester hours in the certificate program is required in residence. Residence is defined as credit for courses taught by Eastern Illinois University faculty at on-campus or off-campus sites. This requirement may not be waived or appealed.
- **5000 Level Semester Hours:** A minimum of 12 semester hours in the certificate program must be in courses numbered 5000 or higher.

#### Restrictions

- **Research, Internship and Special Course Restrictions:** A minimum of 9 semester hours must be completed in courses exclusive of independent study, research, thesis, and internship, and special courses or workshops.
- **4750-4999 Hour Restrictions:** A maximum of 6 semester hours of courses numbered 4750 to 4999 may be applied to certificate programs.
- **Research Hour Restrictions:** A maximum of 3 semester hours of independent study, research, and thesis may be applied to a certificate program.
- **Non-Degree Hours:** There is no restriction on the number of semester hours a non-degree student may apply to a certificate program. There is no guarantee that any credit earned as a non-degree student may later apply to a certificate program.

## Graduation

### Comprehensive Knowledge and Examinations for Graduate Degree Candidates

Degree candidates are expected to achieve comprehensive knowledge in the area in which the degree is to be offered. Many programs require formal documentation of this achievement through the Certificate of Comprehensive Knowledge and/or completion of comprehensive examinations. Candidates should consult with graduate coordinators regarding the requirements for the certificate if it is part of the graduate degree program. Programs establish procedures that are used to examine the candidate's comprehensive knowledge. Procedures may include written examinations, oral examinations, national or state examinations, or other assessments of knowledge. Upon the candidate's successful completion of the required procedures, the coordinator of graduate study will electronically document achievement of the Certificate of Comprehensive Knowledge. Electronic documentation must be completed by the last class day published in the *Class Schedule* during the final term of study. Some programs also record completion of comprehensive examinations on the graduate transcript. Programs may designate completion of the examination as "pass" or "pass with distinction."

### Application and Re-Application for Graduation and/or Certificate Completion

■ <http://www.eiu.edu/paws/> Students must use the PAWS system to apply for graduation. After logging on to PAWS, the link for "Records" will provide the link for the "Application for Graduation". The fees of \$25.00 for graduate degrees and/or \$15.00 for certificates will be posted on the student's account. All degree and certificate candidates must apply and pay the required fee for graduation or certificate completion. Students must apply and pay the fee for each degree or certificate completed. Students may apply any time prior to the 10th day of the term in which they plan to graduate or complete a certificate. This deadline is published in the *Class Schedule* each semester. Candidates who fail to apply by the published deadline are not eligible for graduation or certificate completion until the next semester or term. The application for graduation or certificate completion automatically initiates a graduate degree or graduate certificate audit by the certification officer in the Graduate School. Candidates will be alerted to any deficiencies that must be completed in order to meet the requirements for the degree or certificate. If candidates fail to complete the requirements for the degree or certificate or fail to complete any identified deficiencies; candidates will be required to re-apply for graduation or certificate completion in a subsequent term. There is no additional fee for the re-application. The re-application is also accessed on the PAWS system.

### Commencement

While degrees and certificates are granted at the close of the fall, spring, and summer terms, commencement exercises are scheduled only at the conclusion of the fall and spring terms. Students completing requirements during the summer term will automatically receive information regarding participation in the fall ceremony. Participation in commencement does not constitute completion of degree requirements. Degrees are conferred only when the certification officer determines that the student has met all of the requirements for the degree.

### Transcripts

■ <http://www.eiu.edu/~records/transcript/order.html> This web site provides a printable order form. The Records Office will make a transcript of the academic record of a student when requested to do so. Unless specific instructions are given to the contrary, it is understood that the Records Office has permission of the student to send his/her transcript to employing and certifying agencies, such as schools, boards of education, businesses, and the state department of education, when such an agency requests a transcript. All requests for transcripts must be in writing, either by letter or on the request form supplied by the Records Office or at the above web site. The time required for preparation and mailing of transcripts varies; during enrollment and at the end of grading periods there may be a

delay of several days. A fee is charged for each transcript issued. Transcripts will be issued only for students whose records are clear.

## Graduate Study Options for Seniors at EIU

### Reserve Graduate Credit

■ <http://www.eiu.edu/~graduate/studyoptions.htm> This web site provides a printable form. The reserve graduate credit option is based on the understanding that seniors who have demonstrated a record of academic achievement have the ability to pursue graduate scholarship. Reserve graduate credit requires that students pursue a level of understanding and performance through independent reading, research, and investigation equivalent to that of graduates throughout the time that the course is in progress; therefore the reserve graduate credit option must be approved prior to enrollment. An EIU senior may apply for permission to take graduate courses numbered 4750 through 5499 for reserve graduate credit. Senior classification is defined as having completed at least 90 semester hours of undergraduate course work at the time of enrollment. Seniors must have earned a cumulative GPA of 2.75 or higher to qualify for reserve graduate credit. Permission from the instructor of the course(s) and the Graduate Dean is required. The application form must be signed and on file in the Graduate School by the deadline to add courses as published in the *Class Schedule*. Reserve graduate credit is limited to a maximum of nine semester hours and cannot be used in any way for fulfilling the requirements for the undergraduate degree. Students enrolled in courses numbered 4750 through 4999 for reserve graduate credit are expected to meet the requirements for graduate credit. Undergraduates, regardless of classification or GPA, may not enroll in any graduate courses numbered 5500 or above. This requirement may not be waived or appealed.

### Graduate Courses for Undergraduate Credit

■ <http://www.eiu.edu/~graduate/studyoptions.htm> This web site provides a printable form. The graduate course for undergraduate credit option is based on the understanding that, with appropriate advisement and planning, seniors who have demonstrated a record of academic achievement may enhance their undergraduate education with the addition of a more advanced course. An EIU senior may apply for permission to take graduate courses numbered 5000 through 5499 to apply toward an undergraduate degree. Senior classification is defined as having completed at least 90 semester hours of undergraduate course work at the time of enrollment. Seniors must have earned a cumulative GPA of 2.75 or higher to qualify for enrollment in graduate courses. Permission from the instructor of the course(s) and the Graduate Dean is required. Applications granting permission to take graduate courses are available in the Graduate School or at the above named site and must be signed and on file in the Graduate School by the deadline to add courses as published in the *Class Schedule*. Undergraduates, regardless of classification or GPA, may not enroll in any graduate courses numbered 5500 or above. This requirement may not be waived or appealed.

### Honors Students

■ <http://www.eiu.edu/~graduate/Honorswaiver.htm> This web site provides a printable waiver form. An EIU honors student who has less than 90 semester hours of completed course work at the time he or she wishes to register may apply to waive the 90-semester hour policy. Waiver of the policy will allow the honors student to enroll for the desired graduate level courses. In order to be eligible for this waiver option, the student must verify his or her status as an honors student. In addition, the student must provide evidence that he or she is currently enrolled in a sufficient number of semester hours to meet the 90-semester hour regulations at the conclusion of the current term. The student must meet the 2.75 GPA criteria as this policy may not be waived or appealed. If the waiver is approved, but the honors student fails to complete a sufficient number of semester hours in the current term to meet the 90 semester hour regulation, the Graduate School will remove the student from the approved courses after the 10<sup>th</sup> day enrollment roster is provided.

## Waiver, Appeals and Academic Integrity

### Waiver and Appeals Process

■<http://www.eiu.edu/~graduate/waiverandappeal.htm> This web site provides a printable waiver form. The Council on Graduate Studies, in consultation with the Dean of the Graduate School, establishes policies on graduate education to insure that graduate degree programs, graduate certificate programs, and graduate courses are rigorous and meet the highest standards of graduate scholarship. It is expected that all graduate students will remain in compliance with requirements for degrees, certificates, or post baccalaureate study options established by the Graduate School. It is the responsibility of the graduate student to understand and meet the established requirements and policies. On rare occasions, circumstances beyond the student's control may warrant a variation from the established requirements. Any variation from the policies established by the Graduate School must be approved through the Graduate School waiver and appeals process. Students may obtain a Graduate Waiver Request form from the Graduate School, the graduate coordinator, or the above web site. The request must identify the policy to be waived, provide a rationale and supporting documentation explaining how the variation will not diminish the quality of graduate scholarship, and have the support of the program. All waivers must be approved by the Dean of the Graduate School prior to initiating the policy variation. Students may appeal waivers denied by the Dean to the Council on Graduate Studies Waiver Appeals Subcommittee. The Waiver Appeals Subcommittee will review the documentation and recommend a decision on the appeal for a vote by the Council on Graduate Studies which will appear in the Council's Minutes.

### Policies That May Not Be Waived or Appealed

Certain policies on graduate education may not be waived or appealed. These include:

- The 16 graduate semester hour load limit for courses numbered 4750 or higher for fall and spring
- The 13 graduate semester hour load limit for courses numbered 4750 or higher for summer
- The required 3.00 cumulative graduate GPA for graduate degree or graduate certificate completion
- The minimum number of semester hours for a master's degree or certificate program
- The minimum number of semester hours of new course work for the specialist's degree
- The minimum number of semester hours required for certificate programs
- The minimum number of semester hours in residency for all graduate degrees or certificate programs
- The 3.00 cumulative GPA for assistantship eligibility
- The restriction on undergraduate access to courses numbered 5500 or higher.

### Grade Changes and Grade Appeals

The Grade Appeals Policy is based on the premise that only the instructor who gave a grade can change that grade. Prior to initiating a formal grade appeal, the student should discuss the grade issue with the faculty member to determine if the issue can be resolved without an appeal. If the informal discussion with the faculty member does not resolve the issue, the formal appeal of a grade must follow the procedure outlined in Internal Governing Policy 45: <http://www.eiu.edu/~auditing/IGP/policy45.html>. The bases for an appeal are as follows:

- An obvious error in the calculation of the grade.
- The assignment of a grade to a particular student by application of more exacting or demanding requirements than were applied to other graduate students in the course.
- The assignment of a grade to a particular graduate student on some basis other than performance in the course.
- The assignment of a grade by a substantial departure from the instructor's previously announced standards.

### Student Conduct Code

■<http://www.eiu.edu/~judicial> This web site provides the Student Conduct Code from the Judicial Affairs Office. As a community of scholars, Eastern Illinois University requires of its members a high level of ethical and academic integrity. The Student Conduct Code specifies student rights and responsibilities both academically and behaviorally. Each student is held accountable for adhering to the Code, which is published in the *Student Handbook*. Individual copies of The Student Conduct Code are also available at the Judicial Affairs Office. Questions concerning student rights and responsibilities may be directed to the Judicial Affairs Office located in the University Union (217-581-3827).

### Academic Integrity

The following policies apply to suspected incidents of classroom cheating or plagiarism. The instructor who has witnessed academic dishonesty or who has other evidence that academic dishonesty has occurred will confront the student to inform him/her of the allegation. Time permitting, the instructor will contact the Judicial Affairs Office prior to talking with the student. If the student admits the violation, the instructor will assess an appropriate academic penalty and will inform the Judicial Affairs Office using a Notation of Academic Misconduct form. If the student disputes the allegation, or if a sanction greater than a failing grade for the course is warranted, a hearing will be provided by the Judicial Affairs Office in accordance with the provisions of the Student Conduct Code. If as a result of the hearing the student is found responsible for the violation, the instructor will assess an appropriate academic penalty. Other sanctions such as disciplinary probationary status or separation from the institution can be imposed by the University's disciplinary system. Full conditions and explanations are cited in the Student Conduct Code. A student accused of academic dishonesty in a course may not drop the course until such time as disciplinary action, if any, is concluded. A grade (A, B, C, D, F, CR, NC, I, DC, W, WP, WF, X, AU) may be changed to reflect the disciplinary sanction, if any, imposed as a result of academic dishonesty. In the event that the alleged violation occurs at the end of a term, no grade shall be assigned pending conclusion of the disciplinary process. All students are governed by the Student Conduct Code.

### Attendance Policy

Students are expected to attend class meetings as scheduled. When an absence does occur, the student is responsible for the material covered during the absence. When possible, the student should notify the instructor in advance of an anticipated absence. Instructors will grant make-up privileges (when make-up is possible) to students for properly verified absences due to illness, emergency, or participation in an official University activity; and such absences will not militate against students in classes in which attendance is used directly in determining final grades. It is the student's responsibility to initiate plans for make-up work and to complete it promptly. If in the instructor's judgment the duration or number of absences renders make-up unfeasible, the instructor may contact the Vice President for Student Affairs and the Department Chairperson to determine an appropriate action. Except for the above stipulations, each instructor sets his or her own policy with respect to class attendance and make-up work; and excuses for absences are handled between the instructor and the student. At the beginning of each grading period, the instructor shall announce, in writing, his or her policy regarding absence, make-up and late work. Instructors planning to use attendance directly in determining final grades must have written department approval and must indicate this intention and the reason, in writing, on the first day of class.

### Additional Policies

Policies not specifically addressed within the *Graduate Catalog* may be found in the Internal Governing Policies of the university. Those policies are published at: <http://www.eiu.edu/~auditing/IGP/index.html>

# V. Student Expenses and Financial Assistance

## TUITION AND FEES

### Semester Tuition and Fees

■<http://www.eiu.edu/~graduate/newtuition2.html> Tuition and fees are subject to change with Board approval. Students are advised to consult the web site listed above for the most current tuition and fee information. The tuition and fees listed below were proposed fees for Fall 2005, Spring 2006, and Summer 2006 at the time of publication. For current tuition and fees please visit the web site above.

#### Graduate Tuition

Graduate tuition is assessed for all post-baccalaureate students based on residency. Tuition is assessed at the rate listed below for each semester hour of enrollment regardless of course level.

#### Graduate Fees

Graduate fees for Programs and Services are assessed at a per hour rate listed below for each semester hour of enrollment for part-time students. Part-time for billing purposes is defined as enrollment for less than 12 semester hours of study. Fees are assessed at the full-time rate for students who are enrolled full-time. Full-time for billing purposes is defined as enrollment in 12 or more semester hours. Graduate students who are enrolled for nine or more semester hours during the fall and spring terms are automatically assessed the Health & Accident Insurance Fee listed below. Graduate students enrolled for fewer than nine semester hours are not eligible for Health and Accident Insurance; therefore, a part-time fee rate is not listed. During the summer term the Health & Accident Insurance Fee is assessed at \$50.95. Graduate students enrolled part-time are not eligible for Student Legal Service.

Tuition	Per-hour rate
Illinois Resident	\$150.55
Non-Resident	\$451.65

Fees	Part-time Less Than 12 sh	Full-time 12 or More sh
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Programs & Services Fees		
Activity Fee	\$ 7.89	\$ 94.63
Legal Services	n/a	\$ 4.52
Athletic Fee	\$ 6.50	\$ 77.95
Computer Network Fee	\$ 4.00	\$ 48.00
Grant-in-Aid Fee	\$ 8.00	\$ 96.10
Health Service & Pharmacy Fee	\$ 6.33	\$ 75.90
Union/Bond Revenue Fee	\$ 22.09	\$ 265.10
Graduate Student Fee	\$ .20	\$ 2.00

Total Programs & Services Fees \$ 55.01 \$ 664.20

Health & Accident Insurance Fee \$ n/a \$ 73.45

Textbook Rental Fee	Per hour rate for all students
\$ n/a	\$ 7.95

### School of Continuing Education

The School of Continuing Education creates and delivers student/consumer sensitive programs through diverse educational delivery systems. These programs greatly enhance the cultural, educational and professional development opportunities for individuals seeking continuing education. Recognizing rapidly changing educational needs of society, the unit extends the academic resources of the University in a cost-efficient manner to provide access to on and off campus programs. Costs are based on the current per hour rate of tuition, the per hour rate for textbook rental, and a per semester hour continuing education fee of \$35.00.

### Miscellaneous Fees and Charges

**Application for Admission Fee.** A \$30.00 fee is required at the time of application.

**Career Services Fee.** A \$20 fee is assessed for current undergraduates, graduates, and Alumni to register their placement credentials with Career Services.

**Charges for Materials.** Fees may be assessed for materials used in certain graduate courses.

**Study Abroad Fee.** A fee equal to two semester hours is assessed for students attending a foreign university or participating in Study Abroad at EIU.

**Graduation Fee.** ■<http://www.eiu.edu/paws/> Candidates for graduation must access the PAWS system for the on-line application at the above web site. A non-refundable graduation fee of \$25 (\$15 for completion of a certificate) is applied to the student's account. The fee of \$25 for graduate degree candidates does not include the cost of cap and gown rental. The last day for applying for graduation is listed in the University Calendar and/or *Class Schedule*.

**Late Registration Fee.** An additional and non-refundable fee of \$25 is charged to a student who enrolls after the beginning of the late registration period.

**Library Service Fee.** All library materials must be returned by the end of each term. Students will be billed for lost or mutilated materials. Failure to resolve library matters promptly will result in loss of borrowing privileges throughout the library system and a hold being placed on academic records, which will disallow registration or release of transcripts.

**Official Receipts.** Official receipts for fees must be preserved by the student during the term involved.

**Penalty for Returned Checks.** A \$15 fine will be charged on all checks returned to the University for non-payment for any reason.

**Student Identification Card.** Student I.D. cards are issued to new students their first term of enrollment. To obtain a student ID card, students must submit an acceptable form of photo identification such as a driver's license, military I.D., passport, or a state I.D. The first card is free. The cost for a replacement card due to damage or a name change is \$10. A \$20.00 fee is assessed for replacement of lost or stolen cards.

**Transcript Fee.** A fee of \$5 will be charged for each transcript issued. Transcripts will be issued only for students whose records are clear. The fee for "Rush" transcripts, processed within 24 hours, is \$10. The fee for an immediate transcript is \$15.

**Textbook Rental Service Fines.** Students not returning textbooks by announced deadlines at semester or term ends are subject to a fine of \$10 per book. Lost textbooks must be paid for at full replacement cost. Students may also be required to pay replacement costs for textbooks in which they have written or

highlighted, which have been subjected to unusual wear, or which have been water damaged.

**International Student Fee:** All international students are assessed a \$100.00 fee each semester or term of enrollment. The fee provides support services for international students, including orientation and cultural programs.

### Refunds

The term "refund" is defined as the cancellation of an unpaid obligation as well as an actual refund of an amount previously paid. Exceptions to the tuition and mandatory fees refund policy must be submitted in writing to the Office of Enrollment Management, for consideration. Appeals of denials of such requests may be made to the Vice President for Academic Affairs, but no later than 60 calendar days following the close of the session for which the refund would have been applicable.

### Withdrawal (Fall and Spring)

#### Full Refund

If a student withdraws from the University during a term by completing the procedure described in the Academic Regulations and Degree Requirements section of the *Graduate Catalog* titled "Withdrawal from the University" and if the initiation and completion of the withdrawal are made through the Registration Office in accordance with dates set forth in the University Calendar, all tuition and mandatory fees (except insurance) will be refunded. If a student withdraws as stated above, the student will be responsible for paying only the insurance fee (if the student is full-time).

#### Fifty Percent Refund

If a student officially withdraws from all classes in accordance with established University procedures by the date set forth in the University Calendar, the student will receive a refund of one-half of all tuition and mandatory fees paid (except insurance). If a student withdraws as stated above, the student will be responsible for paying half of all tuition and mandatory fees plus the insurance fee.

### Withdrawal (Summer/Other Special Terms)

#### Full Refund

During summer and any other special term, the last day to withdraw officially from the University and receive a refund of all tuition and mandatory fees (except insurance) is the same as the last day to withdraw from a course without receiving a grade. These dates are published in the University Calendar provided in the front of the *Graduate Catalog* and in the appropriate *Class Schedule*. During summer and any other special term, the last day to withdraw officially from the University and be responsible for paying only the insurance fee is the same as the last day to withdraw from a course without receiving a grade. (See the calendar.)

#### Fifty Percent Refund (Summer – 8/4-Week Term Only)

If a student officially withdraws from all classes in accordance with established University procedures by the date set forth in the University Calendar, the student will receive a refund of one-half of all tuition and mandatory fees paid (except insurance). If a student officially withdraws in accordance with established University procedures by the date set forth in the University Calendar, the student is responsible for paying half of all tuition and mandatory fees plus the insurance fee.

### Early Registration

#### Cancellation

If a student registers and pays his/her fees prior to the late registration date for the term but decides not to attend the University, all fees will be refunded if notice is given in writing to the Registration Office before the late registration date for the term. If such written notice is not given before the late registration date but is given by the last day to withdraw without a grade, all fees (except insurance) will be refunded.

#### Reduction in Load

Upon written request, a student who initially pays full tuition and mandatory fees and then reduces his/her load to part-time by the last day to withdraw without a grade will be refunded the difference (except insurance, where applicable). A student receiving such a refund will not be eligible for activities and benefits covered by the refunded fees. A student will be billed for the number of credit

hours scheduled as of the 10<sup>th</sup> class day for fall or spring; fifth class day for summer.

### Financial Aid

#### Return of Title IV Funds

■<http://www.eiu.edu/~finaid/text/titleIV.htm> Federal regulations govern the return of Title IV funds disbursed for a student who completely withdraws from a semester. This rule assumes that a student earns his or her aid based on the period of time he or she remained enrolled. During the first 60 percent of the semester, a student "earns" Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the semester that the student remained enrolled is the percentage of disbursed aid for that period that the student earned. A student who remains enrolled beyond the 60 percent point earns all aid for the semester. A copy of the policy may be obtained from the Office of Financial Aid or visit the web site above. The Office of Financial Aid will return unearned aid to the federal government. The student is then responsible for returning the unearned aid he or she has received to the university.

#### Satisfactory Progress Requirements

■<http://www.eiu.edu/~finaid/text/cost3.htm> In accordance with U.S. Department of Education regulations, Eastern Illinois University is required to establish satisfactory standards for federal and state financial aid recipients. The minimum and maximum standards to receive financial aid are monitored at the end of every semester. There are two minimum standards that must be monitored, cumulative grade point average (CGPA) and completion rate (cumulative completed/attempted hours). Graduate students must have an academic standing consistent with the requirement for graduation from the program as stated in the *Graduate Catalog*, AND can not exceed more than 48 cumulative attempted hours. Graduate students are required to meet a 75% minimum completion rate. If a student is not making progress under the minimum standards, he/she will be placed on financial aid probation and allowed the following semester of enrollment to achieve the minimum standards. At the end of the probation period, if the student has not achieved satisfactory progress, financial aid suspension occurs. If a financial aid recipient loses his or her eligibility due to suspension, an appeal may be filed through the Vice President for Student Affairs Office. The Satisfactory Academic Progress to Receive Financial Aid Policy and/or an appeal form may be obtained upon request from the Office of Financial Aid or at the above web site.

### Financial Assistance

#### Assistantships

■<http://www.eiu.edu/~graduate/GAappl.html> Graduate assistantships are available to qualified graduate students. Application forms are available at the above web site. Completed assistantship applications should be submitted by February 15 to the program of interest. Programs may establish other deadlines. Students interested in assistantships should contact individual programs for specific details.

#### Eligibility

To be eligible the applicant must have earned a cumulative undergraduate GPA of 2.75 (4.00 scale) on the graded academic course work from the degree-granting institution and have been fully admitted to a graduate degree program or must have earned a cumulative undergraduate GPA of 2.75 (4.00 scale) on the last 60 semester hours of graded academic course work from the degree-granting institution and have been fully admitted to a graduate degree program. This requirement may not be waived or appealed. Graduate students who have not earned a 2.75 cumulative undergraduate GPA or 2.75 on the last 60 semester hours of graded undergraduate course work become eligible for assistantships after they complete 9 semester hours of graduate course work (courses numbered 4750 or higher) and earn a graduate GPA of 3.00 or higher. Provisional candidates must complete 12 or more semester hours of graduate course work while earning and maintaining a cumulative GPA of 3.00 or higher and completion of all of the provisions required by the program to be eligible for candidacy. Candidacy is a requirement for assistantship eligibility.

### Contract Requirements

■<http://www.eiu.edu/~graduate/GAreg.html> Contract regulations are specified on the *Graduate Assistant Contract* and *Graduate Assistant Regulations* available in the Graduate School and at the Graduate School web site. Fall and spring assistantship appointments require that graduate assistants remain enrolled as degree-seeking students for a minimum of nine semester hours of graduate course work (courses numbered 4750 or above). With prior approval of the Graduate Dean, assistants may substitute undergraduate teacher certification, professional certification or required prerequisite courses for the graduate courses required for compliance with assistantship requirements; however, the student must remain enrolled as a degree-seeking student for a minimum of nine semester hours. Contracts are terminated if students fail to comply with this regulation.

Summer assistantship appointments require that graduate assistants remain enrolled as degree-seeking students for a minimum of three semester hours of graduate course work (courses numbered 4750 or above). With prior approval of the Graduate Dean, assistants may substitute undergraduate teacher certification, professional certification, or required prerequisite courses for the graduate courses required for compliance with assistantship requirements; however, the student must remain enrolled as a degree-seeking student for a minimum of three semester hours. Contracts are terminated if students fail to comply with this regulation.

If at the end of any fall or spring grading period, an assistant has failed to complete nine semester hours of graduate course work or approved prerequisites, or if at the end of a summer term an assistant has failed to complete three semester hours of graduate course work or approved prerequisites, or if the cumulative graduate grade-point average and approved undergraduate prerequisites is below 3.00, the graduate assistant contract will be terminated.

Graduate Assistants must demonstrate professional conduct, be in compliance with the student conduct code, perform assistantship duties to the satisfaction of the supervisor, and meet the standards for degree-seeking students as established by the Graduate School.

Assistants may be obligated to provide 16 to 19 clock hours of service per week to the employing unit. Contracts specify both the number of clock hours and duties and may include teaching, research, or university service.

### Presidential Graduate Assistantships

Presidential Graduate Assistantships are a specialized set of assistantships that are designed to provide additional support for graduate programs during the academic year and offer an additional opportunity to attract academically talented graduate candidates to the program. To be eligible for a Presidential Assistantship, candidates must meet all of the criteria established by the Council on Graduate Studies. The criteria are outlined in the Graduate Catalog and on the Graduate School web site. In order to retain eligibility, Presidential Graduate Assistants will be required to participate in scheduled development sessions provided by the Graduate School. The assistants must also meet the standard requirements for retention outlined in the assistantship agreement and specified in the Graduate Catalog.

### Assistantship Waivers and Stipends

Graduate assistants who are in compliance with enrollment in nine semester hours of graduate course work or approved prerequisites during the fall/spring terms and three semester hours of graduate course work or approved prerequisites during the summer term will receive a tuition waiver scholarship unless specified in the contract. Audited courses are not covered by the tuition waiver scholarship benefit. Tuition waiver scholarships will apply to courses offered off-campus if they are required for the degree program as indicated on the graduate study plan and if the courses are not part of a tuition cost recovery program or classified as sponsored credit, as verified by the School of Continuing Education. Tuition waiver

scholarships are provided in recognition of the graduate assistant's academic accomplishments. The scholarships are provided as part of the financial aid package, but they are not related to services. Program and service fees are not waived as part of a tuition waiver scholarship. Assistants receive a monthly stipend that varies according to the terms specified in the contract. In return for the stipend, the appointee agrees to perform the duties assigned by the academic or administrative unit. The contract period is specified on the contract. Graduate assistants may not hold any other contracts with the University such as civil service, faculty, or student employment contracts during the period; however, graduate assistants may be approved for a Graduate Assistant Supplemental Contract. The criteria for a Graduate Assistant Supplemental Contract is described below.

### Graduate Assistant Supplemental Contracts

Graduate assistants may be considered for supplemental non-recurring contracts for work that is related to a specific area of expertise. The combined hours of work required for the assistantship and the supplemental contract must remain at or below an average of 20 clock hours per week and the supplemental duties may not be part of the assistant's regularly assigned assistantship duties. A program offering a supplemental assistantship contract forwards the contract to the assistant's primary employment unit for approval. The primary employment unit forwards the contract to the Graduate School. Requests for supplemental contracts must be approved with required signatures prior to performance of the work. Requests for approval and compensation after the work is completed will not be approved. Agents or supervisors are responsible for ensuring completion of paperwork prior to completion of work. The criteria for securing a supplemental contract include:

- The assignment is not part of the assistant's assigned duties
- The assignment is related to the assistant's specialized area of expertise
- The duties are non-recurring
- The combined supplemental contract and regular assistantship hours remain at or below 20 per week
- The contract is approved prior to completion of the assignment
- The contract is approved by the Primary Sponsoring Unit and the Graduate Dean

For further details and examples please refer to the *Graduate Assistant Handbook*.

### Summer Tuition Waiver Scholarships

Graduate students who have held an assistantship contract for at least four months immediately preceding summer term or who have signed a graduate assistant contract for fall semester may apply for a summer term tuition waiver scholarship. Summer tuition waiver scholarships require that students remain enrolled for at least 3 semester hours of graduate level course work or approved prerequisites during the summer term. Only one summer tuition waiver per nine-month graduate assistant contract may be claimed. Tuition waiver scholarships are terminated if students fail to comply with this regulation. Tuition waiver scholarships are provided in recognition of the graduate assistant's academic accomplishments. The scholarships are provided as part of the financial aid package, but they are not related to services. Tuition waiver scholarships are subject to the availability of funding and are not guaranteed.

### Federal Work-Study Program

Federal Work-Study program is available to students who want to work a part-time job on campus. Students must file a Free Application for Federal Student Aid (FAFSA) and demonstrate financial need. If awarded Federal Work-Study, the student will be guaranteed a job working on campus at minimum wage. The student must be enrolled for a minimum of six hours. Limited funds are available for this program so students should apply early. For additional information, contact the Student Employment Office.

### Regular Student Employment

■ <http://www.eiu.edu/~finaid/text/jobs.htm> ■ Employment opportunities are posted in the office and at the above web site for jobs both on campus and in the community. Regular Student Employment is a part-time job on campus. Students do not need to demonstrate financial need but must be enrolled in a minimum of six hours. Applications are available in the Student Employment Office or students may apply directly to the department where they would like to work.

### International Graduate Student Scholarships

■ [http://www.eiu.edu/~internl/admissions\\_scholarapp.html](http://www.eiu.edu/~internl/admissions_scholarapp.html) ■ International student scholarships are intended to promote cultural exchange and diversity. There are a limited number of awards and the selection criteria include academic achievement and financial need. The award may waive all or a portion of tuition with the upper limit of the award equal to the credit hours for minimum full-time enrollment. The amount of the award is determined by the International Programs Advisory Committee. Application should be made to the International Student Advisor. Applications are available at the above web site address. Paper applications are available on request from the International Programs Office.

- **Eligibility:** Eligibility is limited to students maintaining F-1 or J-1 immigration status. Scholarships will be canceled without notice if students do not arrive in the United States with the appropriate visa, or if Form I-20/Form DS-2019 from another institution was used to obtain the visa.
- **Benefits:** The scholarships pay tuition costs only. Program fees, field trips, travel, living expenses, and other personal expenses must be paid by the applicant.

### Loans

Institutional short-term loans are available through the Office of Financial Aid. The actual amount of the loan to the student is determined by the loan officer, unless rules governing the respective loan fund require another person's approval. Loan aggregates that exceed \$200 require a co-signer and approval of the loan officer. Most loan funds require a student to be enrolled full time (12 hrs), but some loans are available at half time or less enrollment status. Contact the Office of Financial Aid for further information.

**Elementary and Junior High School Student Teaching Loan Fund.** This loan fund was established with funds contributed by students of Eastern State High School during World War II. Loans up to \$100 may be made to students who need the funds during their student teaching semester. No interest is charged when payment is made within one year. Application must be made to the Dean, College of Education and Professional Studies.

**Elizabeth K. Lawson Emergency Loan Fund for Women.** This fund was established by friends of the late Elizabeth K. Lawson, former Dean of Women. The amount of a loan is limited to \$50 for a period of 90 days. No interest will be charged if repaid within that period. To be eligible a student must be female and enrolled full-time. Application is made in the Office of Financial Aid.

**Emergency Loan Fund.** The amount of an Emergency Loan is limited to \$200 for a maximum period of 90 days. No interest will be charged if repaid within that period. To be eligible, a student must be in residence at the University at least one term and be in good standing. Application is made in the Office of Financial Aid.

**Florence McAfee Loan Fund.** Physical Education majors and minors, alumnae, and staff established this fund in honor of the late Dr. Florence McAfee. Any female student, either majoring or minoring in physical education, is eligible to borrow from the fund. Students should contact a member of the Physical Education staff.

**Illinois Congress of Parents and Teachers Loan Fund.** In September 1954, the Illinois Congress of Parents and Teachers established a loan fund of \$1000. Loans from this fund on either a

short- or long-term basis may be secured by an eligible student who is student teaching. No interest will be charged if the money is repaid within one year of termination of enrollment. Interest then begins at three percent. Students should contact the Office of Financial Aid for application forms.

**William D. Ford Direct Loan Program.** This federal loan program replaces the Federal Stafford Loan at Eastern Illinois University. The loans are made by Eastern rather than through a commercial lender. Graduate students may borrow a maximum of \$8,500 per academic year with a program maximum of \$65,500, including undergraduate and graduate subsidized loans. Graduate students may have additional eligibility under the unsubsidized loan program. Contact the Financial Aid Office for application information.

**Journalism Loan Fund.** Approval of the loan application is made by the Journalism Department. No interest is charged.

**Parents' Club Emergency Loan Fund.** To be eligible for this loan, established by the Eastern Illinois University Parents' Club, one must be a full-time student in good academic standing. The maximum loan is \$100, no interest is charged, and maximum period of loan is 90 days. Application forms may be obtained in the Office of Financial Aid.

**Mary Piper Rogers Student Loan.** This loan is limited to graduate or undergraduate women, 25 years of age or older, and registered for a minimum of six hours for the semester in which they make application for the loan. Application is made in the Office of Financial Aid.

**The Russell Loan Fund.** This fund was established by family and friends in memory of Mrs. W.L. Russell to provide loans for needy women students. Application is made at the Office of Financial Aid.

**Samelman Emergency Loan Fund.** Loans are limited to majors in any program administered by the Department of Geology-Geography. Approval of the loan application is determined by the Student Aid Committee of Geology-Geography.

**Student Loan Fund.** In 1934 the will of the late John L. Whisnand of Charleston left a portion of his estate to the University as an endowment; the income from the endowment is made available for financial assistance to deserving students. To be eligible for a Student Loan, a student must be a U.S. citizen, enrolled full-time and be in good standing. Maximum loan to a first-time EIU enrollee is \$100. No graduate borrower may owe more than \$1000 at any one time. If the amount of the loan is \$200 or less and the borrower has no other outstanding short-term loans, no interest will be charged until the due date, and no co-signer will be required; 7% interest will be charged after the due date. Any loan over \$200 or any loan less than \$200 for a borrower who has another short-term loan will accrue interest of 2% until maturity and 7% thereafter. These loans must be co-signed also by a person employed full-time. Term of repayment shall not exceed one year after termination of enrollment.

**W.D. Morgan Loan Fund.** The will of the late Dr. W.D. Morgan of Charleston gives to the Morgan Loan Fund the annual income from a share of his estate. This loan provides funds to sophomore or above grade class level students enrolled in at least six semester hours. The remaining requirements are the same as those of the Student Loan Fund. Application is made at the Office of Financial Aid.

**William D. Miner Emergency Loan Fund.** This fund was established by the Eastern Illinois University Veterans Association in honor of Dr. Miner, a long-term advisor to the association. To be eligible, a borrower must be an enrolled student, a U.S. citizen, and in good standing. Maximum loan is \$50 to non-veterans and \$100 to veterans. No interest is charged if repaid within thirty days. Application forms are available in the Office of Financial Aid.

### ROTC Scholarships

Military Science training has been offered at Eastern Illinois University since 1980. The program is voluntary, leading to a commission as an officer in the United States Army, Army Reserve, or Army National Guard upon completion of a two-year program. This program is specifically designed to meet the needs of graduate students as well as other students who have at least four semesters of college study remaining. Illinois State and Federal ROTC Scholarships are available to qualified students. For information, contact the Professor of Military Science, Eastern Illinois University.

### Special Awards, Assistantships and Scholarships

**Rudolph D. Anfinson Scholarship.** Established by Mrs. Ralph Widener, Sr., and Dr. Ralph Widener, Jr., in honor of Dr. Rudolph D. Anfinson, former Dean of Students who was on the faculty at Eastern for 37 years, this award is presented annually to a junior, senior, or graduate student who is active in extracurricular activities (excluding intercollegiate athletics) and who displays outstanding character and scholastic achievement. Apply to Institutional Advancement.

**Carpenter's Local #347 Scholarship.** Established by the Carpenter's Local #347, this award is presented annually to a freshman, sophomore, junior, senior, or graduate student who is a child or stepchild of a member in good standing of Carpenter's Local #347. Apply to Carpenter's Local #347, Mattoon, IL, or to the Vice President for Student Affairs.

**Charles H. and Dorothee Coleman Scholarship.** Established through the Department of History in memory of Dr. Charles H. Coleman, former professor and History Department chairperson, and a distinguished Lincoln scholar, this award goes annually to an undergraduate or graduate history major. Apply to the Chair, History Department.

**The Betty Wright Downing Scholarship.** Established by Mr. and Mrs. Harry T. Wright in memory of Betty Wright Downing, this scholarship is presented annually to a graduate student at Eastern Illinois University who is preparing for a career in medicine or a health related field. Apply to the Dean of the Graduate School.

**Thomas R. Drury Scholarship.** Established in memory of Thomas R. Drury, an alumnus of Eastern, this award is presented annually to a student admitted to Eastern's Graduate School who plans to pursue a career in instructional media. Apply to the Chair, Secondary Education and Foundations.

**Charles A. Elliott Technology Education Award.** Established by Dr. Charles A. Elliott, a member of the Eastern faculty from 1945 to 1973, this award is presented annually to a junior, senior, or graduate student in Technology Education who shows promise of making a worthwhile contribution as a teacher of industrial arts. Apply to the Chair, School of Technology.

**Richard G. Enochs Scholarship.** Established in memory of Richard G. Enochs as recognition of his service to the Housing Office, this award is presented annually to a junior, senior, or graduate student residing in a University residence hall or apartment who has high scholastic achievement, outstanding personal character, and has significantly contributed to residence hall or university apartment programming. Apply to University Housing Office.

**The Lavern M. Hamand Memorial Scholarship.** Established by Mrs. Martha T. Hamand in honor of Lavern M. Hamand, this scholarship is presented annually to a graduate student enrolled in the department of history's traditional or historical administration program. Apply to the Chair, History Department.

**Frances Meyer Hampton Graduate Scholarship.** Established by Mrs. Frances Meyer Hampton in her estate, this award is presented annually to a full-time student in a master's degree program who has demonstrated good character, high scholarship

ability, financial need, and a potential for worthy future achievement. Apply to the Dean of the Graduate School.

**Historical Administration Program Association Scholarship.** Established by the Eastern Illinois University Historical Administration Program Association, this scholarship is given to a graduate student in the Historical Administration Program. Apply to the Chair, History Department.

**Margaret C. Hollowell Scholarship for Graduate Study in Communication Disorders and Sciences.** Established by Mrs. Margaret C. Hollowell, this award is presented annually to a full-time graduate student majoring in Communication Disorders and Sciences with an overall GPA of 3.5 and financial need. Apply to the Chair of Communication Disorders and Sciences.

**The Jon J. Hopkins Memorial Speech Education Scholarship.** Established in memory of Jon J. Hopkins as a recognition in perpetuity of his lifetime commitment to education, this award is given annually to either an undergraduate or graduate student majoring in Rhetoric, Public Address, or Speech Education. Apply to the Chair, Speech Communication.

**Glen E. Hubele Assistantship.** Established in memory of Dr. Glen E. Hubele, distinguished professor of education at Eastern, this assistantship goes annually to a graduate student enrolled in a counseling program. It is administered through the Department of Counseling and Student Development. Apply to the Dean, College of Education and Professional Studies.

**J. Y. Kelly Scholarship.** Established in memory of J. Y. Kelly by his daughters, Emma Chenault Kelly and Alice Elizabeth Kelly Tolle, the award is presented annually to a Pre-Legal Studies graduating senior who will be entering law school. Outstanding scholarship and leadership are considered. Apply to the Chair, Pre-Legal Studies Program.

**Dr. Robert Knollenberg Chemistry Fund.** Established by the EIU Chemistry Department through the generosity of Dr. Robert Knollenberg, this fund supports graduate student research and may be used for equipment purchases, stipends, etc. Apply to the Chair of the Chemistry Department.

**Kenneth and Keith Kohanzo Industrial Technology Scholarship.** Established by Mr. Kenneth Kohanzo, this award is presented annually to a full-time junior, senior, or graduate student majoring in Industrial Technology, in good academic standing, who shows promise of making a contribution in the field of Industrial Technology. Apply to the Chair of the School of Technology.

**The Ralph Y. McGinnis Scholarship.** The Lion's Club, family, friends, colleagues and students of Ralph Y. McGinnis have provided the funds to establish this scholarship through the department of Speech Communication. The award goes annually to a graduate or undergraduate with a major academic interest in one or more of the following: Lincoln Studies, Public Address, Rhetoric, or Forensics. In addition, involvement in service organizations is a consideration. Apply to the Chair, Communication Studies.

**Isabel McKinney Graduate Scholarship.** Established in memory of Dr. Isabel McKinney, head of Eastern's Department of English from 1922 to 1945, this award goes annually to a person who has demonstrated high scholastic achievement and has the qualifications to enroll in the English graduate program at Eastern. Selection of the recipient is made by the Scholarship Committee of the Department of English. Apply to the Chair, English Department.

**McNabb-Dow Scholarships.** Established in memory of Loren and Ina Dow and Bernie and Nellie McNabb, parents of Charles Dow and Ruth McNabb Dow, professor of Family and Consumer Sciences, these awards go annually to master's degree candidates in Family and Consumer Sciences, one of them in dietetics. Selection of the recipients is made by a committee, based on

scholarship, leadership, and service. Financial need may be considered. The scholarships are administered by the School of Family and Consumer Sciences. Apply to the Chair, School of Family and Consumer Sciences.

**Judge and Usha Oberoi Scholarship.** Established by Mr. Sundeeep Oberoi in honor of his parents, Mr. & Mrs. Judge and Usha Oberoi, this award is presented annually to a full-time student accepted to the School of Business with a special emphasis given to Computer Management majors and those students enrolled in the MBA program, with an overall GPA of 3.0. Apply to the Chair of the School of Business.

**Hans C. Olsen Scholarship.** Established in 1974 in memory of Dr. Hans C. Olsen, a member of the Eastern faculty from 1938 to 1960, this award is given annually to a full-time graduate student who demonstrates outstanding potential for educational leadership. Apply to the Chair, Educational Administration.

**Cyril D. Reed Mathematics Scholarship.** Established by Cyril D. Reed, this award is presented annually to a graduate or undergraduate mathematics major or a high school graduate who has expressed in writing an intent to enroll as a mathematics major at Eastern. Apply to the Chair, Mathematics Department.

**Foster C. Rinefort Scholarship.** Established by Dr. Foster C. and Mrs. Jean F. Rinefort, this award is presented annually to a student accepted to the Graduate Business Program who demonstrates good character, academic promise, and career promise, and has significant financial need. Apply to the Director of Graduate Business Studies.

**Verne Stockman Assistantship.** The Verne Stockman Graduate Assistantship in Educational Technology was created by the Stockman family to honor Verne Stockman's dedication to furthering educational technology as well as emphasize his lifelong efforts in mentoring graduate students. Apply to the Dean, College of Education and Professional Studies.

**Ryan Struebing Distinguished Graduate Student Award.** This award was established by family and friends in memory of Ryan Struebing. The recipients of this award must be full-time graduate students majoring in Communication Disorders and Sciences. A 3.0 GPA is required. Recipients must clearly demonstrate a spirit of collegiality, a strong work ethic, a passion for the Communication Disorders professions, and contribute to the Communication Disorders and Sciences department in terms of activity, service, or involvement in a student organization. Apply to the Chair, Communication Disorders and Sciences.

**Rex Syndergaard Scholarship.** Established by the family, friends, associates, and former students of Dr. Rex Syndergaard, professor of history at Eastern from 1956 through 1980, this award is presented annually to an upper-division or graduate history major at Eastern, with preference given to those interested in pursuing the teaching profession. Apply to the Chair, History Department.

**The School of Technology Alumni Scholarship.** Established by the alumni, faculty and others in the former College of Applied Sciences and the School of Technology, this award is presented annually to a senior or graduate student with a major in the School of Technology who plans to enroll in the Graduate Program in Technology at Eastern Illinois University. Apply to the Chair, School of Technology.

**Wang Thi-wu Graduate Award.** Established through the Department of Political Science, this award goes annually to a graduate student. The department will assign the scholarship-assistantship by majority vote of the faculty. Apply to the Chair, Political Science Department.

**Mary Cralley Vaupel Memorial Award.** This award was established to provide graduate students in the field of counseling with memberships in the American Association for Counseling and

Development. Contact the Chair, Counseling and Student Development.

**Errett and Mazie Warner Educational Administration Award.** Established by Errett Warner of Lawrenceville, Illinois, this award is presented annually to a student majoring in Educational Administration who demonstrates outstanding scholastic achievement and outstanding character. Apply to the Chair, Educational Administration.

**Errett Warner and Stanley G. Rives Higher Education Presidential Award.** Established by Errett Warner of Lawrenceville, Illinois, this award is presented annually to a graduate student in higher education who demonstrates outstanding scholastic achievement (minimum of 3.5/4.0) and outstanding character. Apply to the Dean, College of Education and Professional Studies.

## Veterans

Eastern Illinois University is an approved institution for Veteran Affairs benefit programs. Contact the Veteran Services Office for further details on any program including the following:

**Montgomery G.I. Bill -- Active Duty (Chp. 30 U.S. Code).** Provides a program of education benefits to individuals who enter active duty for the first time after June 30, 1985. To receive the maximum benefit, the participant must serve on active duty for three continuous years. Contact Veterans Services for further details and applications.

**Selected Reserve Educational Assistance Program (Chp. 106 U.S. Code).** Members of Military Reserve Units should contact their units for eligibility requirements.

**Dependents Educational Assistance (Chapter 35 U.S. Code).** This program may be available to widows, widowers, and children of veterans who died as a result of a service-connected condition or veterans who have a permanent and total disability. Contact Veteran Services for further details or applications.

**Vocational Rehabilitation (Chp. 31 U.S. Code).** Vocational Rehabilitation is a comprehensive educational program administered by the VA, open to veterans with a compensable, service-connected disability. A Vocational Rehabilitation Specialist is available to assist in this program.

## Illinois Veterans Grant

Any person who served in the armed forces of the United States after September 16, 1940, and at the time of entering such service was a resident of Illinois and has been honorably discharged, may be awarded a scholarship. A veteran discharged after August 11, 1967, must have a minimum of one year's active service. If discharged prior to this date, he/she needs only an honorable separation from service. Application should be made by filing a copy of the discharge or separation papers with Veterans Services. This scholarship may be used concurrently with the G.I. Bill. Once initiated, there is no time limit for use of the 120 points of scholarship eligibility. The number of points used per semester are prorated in accordance with the number of hours carried. Military Scholarships must be registered with the Office of Veterans Services to be valid for use. Service personnel, eligible to use the scholarship, must furnish satisfactory documentation of Illinois citizenship.

## Illinois National Guard Grant Program

Current enlisted members, warrant officers, and commissioned officers through the grade of captain who have served at least one year in the Illinois National Guard are eligible for this award. Applicants may be full or part time graduates or undergraduates. The scholarship's value is full tuition and partial activity fees. To apply, a student must complete an *Illinois National Guard Grant Application*. The applicant must reapply each year. Applications are available from the student's Illinois National Guard unit or online at <http://www.isac1.org/ilaid/inggp.html>.

## State Scholarships

### DFI: Diversifying Higher Education Faculty in Illinois

The Diversifying Higher Education Faculty in Illinois Program (DFI) was established by the Illinois General Assembly and signed as Public Act 093-0862 on August 4, 2004. This act combines the Illinois Consortium for Educational Opportunity Program (ICEOP) and the Illinois Minority Graduate Incentive Program (IMGIP) into a single fellowship program. The purpose of DFI is to increase the number of underrepresented faculty and staff in Illinois institutions of higher education and higher education governing boards. Applications are available at the following web site: <http://www.imgip.siu.edu/>

### ITEACH Teacher Shortage Scholarship

The ITEACH Teacher Shortage Scholarship Program provides funds to academically talented students with a priority given to minority students, to pursue careers as public preschool, elementary and secondary school teachers in disciplines that have been designated as Teacher Shortage Disciplines in the State of Illinois. Candidates for this scholarship must maintain a GPA of 2.5 or higher, have completed a *Free Application for Federal Student Aid (FAFSA)*, be an undergraduate or graduate seeking initial teacher certification in a Teacher Shortage discipline, and must sign a teaching agreement if awarded the scholarship. Additional requirements are to be a U.S. citizen or an eligible non-citizen, resident of Illinois and be enrolled at least half time. Candidates must complete a *Teacher Education Scholarship Application*, and send the application to ISAC postmarked on or before March 1<sup>st</sup> immediately preceding the regular school year for which the scholarship is being requested in order to receive priority consideration for the award. Applications are available online at <http://www.isac1.org/ilaid/iteach.html>.

### Minority Teachers of Illinois (MTI) Scholarship

The Minority Teachers of Illinois Scholarship Program provides scholarships of up to \$5000 per year to assist individuals of African American/Black, Hispanic American, Asian American or Native American origin who plan to become teachers at the preschool, elementary or secondary level. Students receiving this scholarship must fulfill a teaching commitment by teaching full-time one year for each year of assistance received. The teaching agreement must be fulfilled at an Illinois public, private, or parochial preschool, elementary, or secondary school, at which no less than 30% of those enrolled are African American/Black, Hispanic American, Asian American, or Native American minority students. If the teaching commitment is not fulfilled, the scholarship converts to a loan, and the student must repay the entire amount plus interest. Candidates for this scholarship must be a minority student who is currently enrolled or accepted for enrollment as an undergraduate or graduate student on at least a half-time basis, maintain a GPA of 2.5 or higher, and must be a U.S. Citizen and Illinois resident. Student should be enrolled or accepted for enrollment in a Teacher Education Program, or in a curriculum leading to initial teacher certification. Student cannot be in default on any student loan or owe a refund on any state or federal grant, and must be making satisfactory academic progress. This scholarship is not awarded to those receiving an ITEACH Teacher Shortage Scholarship or an Illinois Special Education Teacher Scholarship in the same year. The student must complete a *Teacher Education Scholarship Programs Application* and forward the completed application to ISAC postmarked on or before March 1<sup>st</sup> immediately preceding the regular school year for which the scholarship is being requested in order to receive priority consideration. Applications are available online at <http://www.isac1.org/ilaid/mti.html>

### Illinois Special Education Teacher Scholarship

The Illinois Special Education Teacher Tuition Waiver Program encourages current teachers and academically talented students to pursue careers in any area of special education as a public, private or parochial elementary or secondary school teacher in Illinois. Recipients are exempt from paying tuition and fees at an eligible institution for up to four calendar years. Candidates for this scholarship must be enrolled in a program seeking initial certification in any area of special education. Individual must be a U.S. citizen, Illinois resident, and not have received for four years,

or been offered but then declined, the Illinois Special Education Teacher Waiver in the past. Candidates must also be making satisfactory academic progress at the University and sign a teaching agreement if awarded the scholarship. Candidates cannot be in default on any federal student loan. This scholarship is not awarded to those receiving an ITEACH Teacher Shortage Scholarship or a Minority Teachers of Illinois Scholarship in the same year. Applicants must complete the *Illinois Special Education Teacher Tuition Waiver* application and mail to ISAC postmarked on or before March 1<sup>st</sup> immediately preceding the regular school year for which the scholarship is being requested in order to receive priority consideration. The application is available at <http://www.isac1.org/ilaid/Spedteach.html>.

## VI. Student Services

### Residence Halls

■ [www.eiu.edu/~housing/](http://www.eiu.edu/~housing/) This web site provides an application for residence hall room and board, applications are also available from the University Housing and Dining Services Office. University Residence Halls and Dining Services are designed to provide for the student's education outside of the classroom. The basic philosophy is the development of the total student. Professionally educated resident directors are available in each of the residence halls to aid in the residents' adjustment both to group living and to the University. Most residence hall rooms are designed for double occupancy although singles, triples, and deluxe doubles are available, as are the four- and six-person suites in Stevenson Hall. The following lists the maximum capacity of each hall:

Andrews	450	McKinney	148
Carman Men	320	Pemberton	212
Carman Women	360	Stevenson	376
Douglas	201	Taylor Men	292
Ford	148	Taylor Women	310
Lawson	464	Thomas	432
Lincoln	203	Weller	148

**Application for admission to the University does not constitute an application for housing.** Residence hall accommodations are granted on a priority basis, determined by the date of housing application and deposit and the student's year in school. More specific information regarding University Residence Halls will be mailed upon request by the Office of University Housing and Dining Services.

### Residence Hall Fees

#### Housing Deposit

A \$50 housing deposit must accompany an application for residence hall accommodations. The deposit will be held by the University as a damage fee and a guarantee of contract fulfillment. Twenty-five dollars of the deposit is an application fee and is non-refundable even if a student is not admitted to the University. Twenty-five dollars of the deposit will be refunded upon written request and in accordance with the terms of the contract.

### Family/Graduate Student Housing

The 154 University Apartments consist of 100 one-bedroom and 54 efficiency apartments. All utilities including local telephone, direct internet service, and cable television with a movie channel are furnished by the University and are included in the rental rate. The apartments are designed to provide inexpensive living facilities for families and single graduate students, and non-traditional students.

2005-2006 rates are as follows: \$1793 per semester for a one-and-one-half-room furnished apartment; \$1885 per semester for a two-room apartment; \$1678 per semester for a super efficiency apartment. Additional information may be requested from the Office of University Housing and Dining Services.

All assignments are made on the basis of date of application for housing according to the eligibility requirements listed below. A \$125 deposit, which includes a \$25 non-refundable application fee, must accompany the application form.

#### The eligibility requirements are:

- Applications from student families and single graduate students are considered first.
- To be eligible to live in University Apartments, an applicant must be enrolled in at least five semester hours. If a resident drops below the five semester hours, the assignment will be cancelled.

- Applicants must prove their eligibility for a University Apartment assignment by providing the Office of University Housing and Dining Services with a certified courthouse copy of their marriage license. A minister's copy or a Xerox copy without the appropriate seal will not be acceptable. In the case of single parents, a certified copy of the child's (or children's) birth certificate will be required. The above-mentioned information is required prior to assignment.
- When all eligible applicants who are student families and single graduate students have been assigned, consideration will be given to single undergraduates who have either completed 90 semester hours or are at least 25 years of age.

### University Court

■ <http://www.eiu.edu/~housing/> This web site provides rental rate amounts. University Court, a University-owned apartment complex composed of 145 apartments in 11 separate buildings, offers apartment living for sophomores, juniors, seniors, and graduate students. Rental rates for University Court apartments do not include the cost of electricity or water. Local telephone service, direct Internet service, cable television basic service (including a movie channel), and trash removal are included. To apply for an apartment in University Court, contact the apartment office, located in University Court, at 581-8000 or stop by between 9 a.m. and 4:30 p.m. Monday through Friday.

### Academic Assessment and Testing

■ <http://www.eiu.edu/~acatest/> Academic Assessment and Testing provides information and registration materials for national tests such as the ACT Assessment (ACT), College Level Examination Program (CLEP), Graduate Management Admission Test (GMAT), Graduate Record Examination (GRE), and Miller Analogies Test (MAT). In cooperation with faculty bodies, the office is responsible for administering the University-wide program of assessment of student learning outcomes. The phone number is (217) 581-6583.

### Assistance for Students with Disabilities

■ <http://www.eiu.edu/~disablt/> In accordance with Section 504 of the 1973 Rehabilitation Act and the ADA of 1990, all students with disabilities admitted to the University are provided as nearly as possible with an educational experience equivalent to that provided for all other students. The University wishes to make any reasonable accommodation to allow participation in collegiate life by those persons broadly defined as disabled. Students who believe they may need assistance should contact the Assistant Director of the Office of Disability Services for answers to questions concerning accommodations, auxiliary learning aids, and physical accessibility. Students will be required to submit diagnostic information regarding the disability so that the most appropriate accommodation can be arranged.

Students should contact the Assistant Director as soon as they have decided to enroll at the University so that documentation can be completed before an accommodation is required. In every case in which accommodation is requested, advance notification is recommended to ensure that timely arrangements can be made. All records of disability are maintained in strictest confidentiality. The telephone number is (217) 581-6583.

### Career Services

■ <http://www.jobsrv.eiu.edu/> Career Services, located in the Human Services Building, assists students and alumni in the areas of career planning as well as job placement. The offices provides individual career counseling, an extensive Career Library, job fairs,

and online services that provide job listings, internship opportunities, and job search resources. Career Services maintains a close liaison with hiring representatives from education, business, industry, and government in order to provide the latest professional networks and hiring information to students.

Most services are free of charge, including the Career Library, job fairs, individual counseling, and portions of the online resources. A minimal fee is required for full service registration that provides total access to the online job database and for participation in campus interviews. Full service registration should be initiated early in the graduate curriculum so that full service access can be used throughout the graduate degree period.

### Office of Civil Rights and Diversity

■ <http://www.eiu.edu/~civil/> The Office of Civil Rights, Affirmative Action, and Diversity (1011 Old Main) protects the civil rights of all students, faculty, and staff. Discrimination against any individual on the basis of race, color, gender, religion, age, national origin, ancestry, marital status, disability, veteran status, and sexual orientation, as well as sexual harassment, are prohibited by civil rights laws. The Office will assist any individual who feels that these rights have been violated. The Office provides education to the campus on issues relating to cultural diversity and to sexual harassment, and regularly holds class presentations, training workshops, and discussions on these issues for faculty, staff, residence assistants and students.

### Counseling Center

■ <http://www.eiu.edu/~counscr/> The Counseling Center provides free, confidential services to enrolled students struggling with personal issues. Concerns frequently presented by students include relationship problems, depression, being overwhelmed by feelings of anxiety and stress, eating disorders, and difficulty adjusting to university life. Counselors also provide crisis intervention to students experiencing psychological emergencies and consult with parents, faculty, and staff who are concerned about a student's well being.

The Counseling Center is staffed by a caring, diverse group of psychologists and counselors who are dedicated to helping students derive maximum benefit from their experiences at EIU. The telephone number is (217) 581-3413.

### Library

■ <http://www.eiu.edu/~booth/> This web site provides the most current status of services and collections and a wealth of electronic publications. Booth Library, the general library of the University, is named in honor of Miss Mary Josephine Booth, who served as Head Librarian at Eastern from 1904 to 1945. A comprehensive program of Library Services is offered to students, faculty and citizens of Illinois.

The library collection consists of more than 955,245 cataloged volumes, approximately 1.3 million microtexts, as well as maps, music scores, and pamphlets selected to support the University's educational mission. The government documents collection includes United States and Illinois State publications. Booth Library is also home to the Coles Ballenger Teachers' Center housing K-12 curriculum materials, an extensive juvenile collection, and a variety of non-print materials related to teachers and teaching. Leisure-time reading interests are served through materials from the general book, serial, and newspaper collections, as well as the latest best sellers, films, and popular materials. The general book collection and the periodicals collection are arranged according to the Library of Congress classification scheme.

Booth Library's public catalog is part of ILLINET Online (IO), the statewide network of 56 academic libraries. Additional electronic systems provide online access to a variety of periodical and subject databases. For the university community, interlibrary loan services supplement Booth Library's resources by making available materials that are owned by other libraries. IO may be accessed from the library's web site, listed above.

Reference Services provides professional help to students and faculty in their use of the library and its resources. The Reference department provides individualized assistance, instructional materials, orientation tours, and (by appointment) specialized research clinics. Web, phone, and fax access may be used to contact Reference staff.

Library Technology Services provides students with non-print media materials, open computer labs, and technology training workshops. The department makes available non-print materials such as sound recordings, CDs, DVDs, and videos. Study carrels equipped for independent viewing and listening are provided in the area as well as rooms for group listening and viewing. The open computer labs have many computers for patron use, equipped with a variety of software packages and Internet applications. Library Technology Services provides the university community with computer training and technology workshops in its E-Classroom.

Circulation Services will assist you in charging out and returning materials to Booth Library or other libraries in Illinois. Library materials must be returned when due to avoid fines. All library fines and charges must be paid promptly. Failure to do so will result in the loss of borrowing privileges throughout the statewide library system, and an unclear academic record may result.

The library staff invites you to use the facilities for work, study, research, and recreational reading. Librarians are available to provide personal assistance to all library users, assist in locating materials or find information, and instruct in efficient use of electronic resources. Always ask the library staff when you cannot locate something or when you need help in getting started on a research project.

### Library Hours

Fall/Spring Semesters	
Monday - Thursday	8 a.m. - 11:45 p.m.
Friday	8 a.m. - 4:45 p.m.
Saturday	9 a.m. - 4:45 p.m.
Sunday	12 noon - 11:45 p.m.

Summer Term	
Monday - Thursday	8 a.m. - 9:45 p.m.
Friday	8 a.m. - 4:45 p.m.
Saturday	9 a.m. - 4:45 p.m.
Sunday	2 p.m. - 9:45 p.m.

Persons calling (217) 581-6423 may obtain a list of library hours by recorded message, which is updated each Friday. During academic vacation periods, library services usually are available Monday through Friday, 8 a.m. to 4:45 p.m. A calendar of the library's hours of operation is published annually and made available in both print form and on the library's web site.

### Medical Services

■ <http://www.eiu.edu/~health/> The Health Service, located in the Human Services Building, provides full- and part-time students with outpatient medical services. Departments within the Health Service consist of Primary Care, Women's Health, Nursing Triage (including Tel-A-Nurse telephone triage), Preventive Medicine, Laboratory, X-ray, Pharmacy and Health Education Resource Center.

Services are available Monday through Friday, 7:30 a.m. to 6 p.m. and Saturday, 10 a.m. to 2 p.m. During the summer, Health Service is available between 8 a.m. and 4 p.m., Monday through Friday. The cost of visits to the Health Service and use of the pharmacy is supplemented by the "Health Service" student fee, with minimal charges for some services, equipment and/or medications. Services available to students at the Health Service include: medical treatment, exams and consultation, laboratory and x-ray procedures, x-ray copies, pharmacy services, over-the-counter medications, non-returnable medical supplies, TB testing, flu shots, allergy injections, women's health exams and consultation services, STI exams, immunizations, ECG, health

information, programs and student involvement through peer education programs. Please contact the Health Service for additional information, (217) 581-3013.

### Speech-Language-Hearing Clinic

■<http://www.eiu.edu/~commdis/services.html>■ The Speech-Language-Hearing Clinic is housed on the second floor of the Human Services Building. Under faculty supervision, senior and graduate students majoring in Communication Disorders and Sciences obtain required clinical practice by working with speech-language-hearing impaired adults and children. A full range of diagnostic and treatment services is available. Diagnostic services include assessment of speech, language, and hearing processes. Treatment services for speech, language, hearing disorders including aural rehabilitation, and classes for reduction of foreign accent are provided. The services are available to University students and to children and adults in East Central Illinois. With the exception of University students, there is a fee for services.

### Student Insurance

■<http://www.eiu.edu/~finaid/text/stuins.htm>■ By action of the Board of Trustees of Eastern Illinois University, students who register for nine or more on-campus hours are required to be covered by health insurance. All graduate assistants under contract to the University who register for 9 on-campus hours and graduate assistants enrolled only in Continuing Education with a minimum of 9 hours Fall/Spring Term or 3 hours Summer Term, are eligible for coverage. These students should contact the Student Insurance Office at (217) 581-5290 to confirm coverage. These students are assessed a fee for group health and accident insurance administered by the University. The Health Insurance Fee will be included in all such eligible students' tuition bill and these students are required to pay this fee for the period for which they register, otherwise, submitted claims will be denied. Students enrolled only in Continuing Education are not eligible for coverage. Students enrolled in a combination of Continuing Education and regular on-campus classes should contact the Student Health Insurance Office for coverage eligibility during the first ten class days of Fall/Spring Term and during the first five days of Summer Term. Students who register for six, seven, or eight on-campus hours may purchase the insurance coverage during the first ten class days of each Term (first five days of Summer Term) providing they meet the other eligibility requirements. DEPENDENT AND/OR SPOUSE COVERAGE IS NOT AVAILABLE.

Insurance is available for all three terms of the calendar year. Insured students attending Spring Term, who wish summer coverage and do not plan to enroll Summer Term, or plan to enroll part-time (less than 9 hours), must apply for this insurance through the last day of the Spring Term.

An insurance brochure describing details of the coverage is available on our website at [www.eiu.edu/~finaid/pdf/insbrochure04-05.pdf](http://www.eiu.edu/~finaid/pdf/insbrochure04-05.pdf), or in the Office of Financial Aid, Student Health Insurance section, or by calling (217) 581-5290. Basically, the Plan of Medical Coverage provides for a lifetime maximum of \$15,000 for any one accidental bodily injury or illness and \$5,000 combined lifetime maximum for mental illness and substance abuse treatment. The Plan is considered secondary or excess insurance, meaning, if the student is covered by other valid and collectible insurance, all benefits paid by such insurance will be determined before benefits are paid by the Eastern Illinois University Plan.

Students with equal or better coverage may apply for cancellation of their student medical coverage by completing a Waiver Form and submitting it to the Student Health Insurance Office during the first ten class days Fall/Spring Terms or during the first five class days of Summer Term. Please note that students participating in the Inter-Collegiate Athletic Programs and Varsity Cheer Team members are ineligible for the medical coverage cancellation. In addition to completing the Waiver Form, students must present evidence of personal health insurance coverage. The waiver from the Student Health Plan will continue in effect until such time as the student requests reinstatement or re-enrollment to the Plan or does

not respond to a periodic request for verification that he/she continues to be covered by another health insurance plan. All students enrolled for a minimum of six on-campus hours are eligible for re-enrollment in the EIU Student Health Plan by completing an application and making payment of the insurance fee within the first ten class days of either the Fall or Spring Term, and the first five class days of Summer Term. The insurance coverage will become effective the day application and payment are received. Please note that summer insurance coverage is available to all students who were insured during the prior spring term; otherwise, the student must be enrolled a minimum of six on-campus hours to be eligible for summer insurance coverage.

For reinstatement of the EIU Student Health Plan to become effective anytime during the semester, students must show proof of involuntary cancellation by their insurance plan within 30 days of the cancellation. For additional information, please contact the Student Insurance Office located in the Financial Aid Office or call (217) 581-5290.

### Textbook Rental Services

■<http://www.eiu.edu/~textbks/>■ Basic textbooks for courses are rented to students through the Textbook Rental Service. Students not returning textbooks by announced deadlines at semester or term ends are subject to fines. Lost textbooks must be paid for at full replacement cost. Students may also be required to pay for textbooks in which they have written or highlighted, which have been subjected to unusual wear, or which have been water damaged. Graduate students may purchase rented textbooks until the official midterm published in the Class Schedule. Graduate students may purchase individual textbooks on a per course basis and are eligible to receive a pro-rata refund of the textbook rental fee for each course.

### Center for Academic Technology Support (CATS)

■<http://cats.eiu.edu>■ The main office for CATS is located at 1336 McAfee. The mission of CATS is to provide Eastern Illinois University with comprehensive services in the design, development, implementation, and evaluation of technology-enhanced materials in support of courses and programs. It also promotes and supports research and development of creative, innovative, and effective uses of established and emerging technologies by the university community.

The CATS staff members are committed to helping students, faculty, staff, and administrators at Eastern in the use of current and new technologies. Their goal is promote an academic environment conducive to the exploration and application of innovative uses of technology for teaching, research, and service. Their expertise extends to areas such as the identification and development of emerging technologies, learning theory for diverse populations, instructional design, computer programming, digital media, graphic design, computer-mediated communications, curriculum integration, and distance learning.

Students at Eastern are encouraged to contact CATS and to provide insights into meeting their technological needs, especially for instructional purposes. Examples could include the use of emerging technologies in the classroom, the creation of research and group presentations, the development of multimedia productions, and the utilization of delivery techniques relative to distance learning classes supported through the School of Continuing Education. Students are also able to directly use technology resources in many enhanced classrooms across campus supported by Media Services, including the TITLE Room (Technology-Integrated Teaching and Learning Environment) in 1205 McAfee.

■<http://cats.eiu.edu/laptop/>■ Eastern Illinois University does not require students to bring personal computers to campus or to purchase computers once enrolled. While Eastern Illinois University offers access to computers through computer labs

around campus, many students find that owning a computer is more convenient and enhances their academic experience. For students who prefer to purchase a laptop computer, Eastern Illinois University makes recommendations for minimum specifications, which will be academically appropriate and compatible with the EIU network. Major computer manufacturers offer special educational promotions to Eastern Illinois University students. Links to these discounted offers and recommended specifications are available from the Laptop Referral Purchasing Program web site listed above.

CATS can also assist students with their training needs in various software applications. Graduate assistants are encouraged to participate in campus-wide TECnet workshops provided by the Instructional Support Specialists (ISS) so they can become better prepared to work with faculty in the various academic areas. Many training sessions are held in the CATS Training Lab in 1214 McAfee. Other training opportunities are also available to all students through the academic colleges and various service units across campus such as Booth Library and Instructional Technology Services (ITS).

CATS is a campus resource which wants to provide quality service to everyone at Eastern Illinois University. Technology is a dynamic field, so the ability of students and others at Eastern to deal effectively with changes in the use of technology will be critical to success in the future.

# VII. Academic Program Requirements

## GRADUATE DEGREE PROGRAMS COLLEGE OF ARTS AND HUMANITIES

James Johnson, M.F.A., Dean  
Jeffrey Lynch, M.A., Associate Dean

### Master of Arts Degrees

#### ART

**Degree: Master of Arts**  
**Major: Art**  
**Option: Art Education**

Christopher Kahler, M.F.A., Coordinator of Graduate Studies in Art  
Phone: 217-581-6259  
Web Page: <http://www.eiu.edu/~art>

#### Graduate Faculty:

Glenn Hild, M.F.A., Department Chairperson  
Bartel, K.; Belleville, P.; Boshart, J.; Braun, S.; Chi, K.; Eskilson, S.; Griffin, D.; Harrison, E.; Hild, G.; Horvath, R.; Hubschmitt, W.; Kahler, C.; Marquardt, J.; Morice, K.; Naragon, D.; Nivens, C.; Rast, A.; Rehm-Mott, D.; Watts, M.

**Program Mission:** The Master of Arts in Art program is designed to provide candidates with advanced artistic development, professional growth, and prepare candidates for further graduate study. Areas of studio art concentration include ceramics, jewelry/metalsmithing, drawing and painting, printmaking, sculpture and weaving.

The Master of Arts in Art with Art Education Option is predominantly a summer program designed to strengthen the professional development of certified art teachers. The art education option does not lead to teacher certification.

**Accreditation:** The Art Department of Eastern Illinois University is an accredited institutional member of the National Association of Schools of Art and Design.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs").

- Candidates seeking the Master of Arts in Art in one of the studio art concentrations must submit 20 slides or equivalent digital media presentations of work, three letters of recommendation, and proof of a Bachelor's Degree in Art. All students specializing in the studio art concentrations must present their portfolio to the department for examination by the yearly application deadline, and be assigned an official advisor prior to the completion of 12 semester hours of graduate credit.

- Candidates seeking the Master of Arts in Art with the Art Education Option must submit three letters of recommendation from principals, supervisors, or others who can attest to the applicant's performance as a certified art teacher and documentation of at least two years of teaching experience in art education.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the graduate coordinator within the first semester of graduate study OR prior to the completion of 12 semester hours of graduate credit.

**Degree Requirements:** Degree requirements for all candidates include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

**Candidates for the Master of Arts in Art** in one of the studio art concentrations may choose either a thesis (30 semester hours) or non-thesis (32 semester hours) option. Candidates must participate in one of the annual spring graduate student exhibitions, submit an approved artist's statement one week prior to the required exhibition, and successfully pass an oral comprehensive examination of ideas, techniques, and formal solutions involved in the artworks displayed at the exhibition. A minimum of 20 slides or equivalent digital media presentations of representative graduate works, completed while at Eastern, must be submitted to the Art Department graduate program prior to the end of the spring semester in which the exhibition takes place.

#### Curriculum for the 32 Semester Hour Non-thesis Option in Art\*

25 semester hours of Studio Art coursework\*\*  
7 semester hours of required Art History and Graduate Exhibition coursework:  
ART 4765 20th Century American Painting & Sculpture ..... 3 s.h.  
ART 4775 Seminar in 20th Century Art History & Criticism ..... 3 s.h.  
ART 5910 Graduate Exhibition Practice & Procedure ..... 1 s.h.

#### Curriculum for the 30 Semester Hour Thesis Option in Art\*

15 to 18 semester hours of Studio Art coursework\*\*  
12 to 15 semester hours of required Thesis, Art History and Graduate Exhibition coursework:  
ART 4765 20th Century American Painting & Sculpture ..... 3 s.h.  
ART 4775 Seminar in 20th Century Art History & Criticism ..... 3 s.h.  
ART 5900 Research in Art ..... 2 s.h.  
ART 5910 Graduate Exhibition Practice & Procedure ..... 1 s.h.  
ART 5950 Thesis ..... 3 to 6 s.h.

**Candidates for the Master of Arts with an Art Education Option** must complete a minimum of 32 semester hours. All candidates in the art education option are required to complete a master's research project. After completing ART 5500, Current Trends in Art Education and ART 5800, Research Methods in Art Education, students will enroll in ART 5970, Independent Study in Art Education and complete an independent research project that documents a substantial application of art education theory and practice. The Research Project may involve historical, philosophical, empirical, or curricular topics. All candidates are required to pass an oral comprehensive examination of the completed research project in the final term.

#### Curriculum for the 32 Hour Art Education Option

Depending on their interests, graduate art education students may elect an area of concentration that includes differing proportions of graduate art education, studio and art history, and professional education coursework\*. The concentrations are Art Education/Studio Art and Art Education/Professional Education.

#### Art Education/ Studio Art Concentration

**Art Education Coursework:**  
9 semester hours of Art Education coursework selected from the following:  
ART 5500 Current Trends in Art Education ..... 3 s.h.  
ART 5800 Research Methods in Art Education ..... 3 s.h.  
ART 5970 Independent Study in Art Education\*\*\* ..... 1 to 6 s.h.

#### Studio Art and Art History Coursework:

15 semester hours of Studio Art coursework \*\*\*\*  
3 semester hours of Art History coursework selected from the following:  
ART 4765 20th Century American Painting & Sculpture ..... 3 s.h.  
ART 4775 Seminar in 20th Century Art History & Criticism ..... 3 s.h.  
**Professional Education Coursework:**  
5 semester hours of Professional Education coursework selected from the following:  
EDF 5500 Theory Into Practice: Curriculum Development ..... 3 s.h.  
EDF 5510 Theory into Practice: Social Foundations for Educational Practice ..... 3 s.h.  
EDF 5530 Theory into Practice: Philosophy for Educational Practice ..... 2 s.h.  
EDF 5535 Philosophy of Education: Clinical ..... 2 s.h.  
EDF 5540 Theory into Practice: History for Educational Practice ..... 2 s.h.  
EDF 5550 Comparative and International Education ..... 3 s.h.  
EDF 5300 Theory into Practice: Psychological Foundations for Educational Practice ..... 3 s.h.

#### Art Education/Professional Education Concentration

**Art Education Coursework:**  
9 semester hours of Art Education coursework selected from the following:  
ART 5500 Current Trends in Art Education ..... 3 s.h.  
ART 5800 Research Methods on Art Education ..... 3 s.h.  
ART 5970 Independent Study in Art Education ..... 1 to 6 s.h.  
0 to 6 semester hours of Art Education coursework selected from the following:  
ART 5505 Assessment in Art Education ..... 3 s.h.  
ART 5510 Curriculum Design in Art Education ..... 3 s.h.  
**Studio Art and Art History Coursework:**  
15 semester hours of Studio Art Coursework \*\*\*\*  
3 semester hours of Art History coursework selected from the following:  
ART 4765 20th Century American Painting & Sculpture OR ..... 3 s.h.  
ART 4775 Seminar in 20th Century Art History & Criticism ..... 3 s.h.  
**Professional Education Coursework:**  
6 to 9 semester hours of Professional Education coursework selected from the following:  
EDF 5500 Theory Into Practice: Curriculum Development ..... 3 s.h.  
EDF 5510 Theory into Practice: Social Foundations for Educational Practice ..... 3 s.h.  
EDF 5530 Theory into Practice: Philosophy for Educational Practice ..... 2 s.h.  
EDF 5535 Philosophy of Education: Clinical ..... 2 s.h.  
EDF 5540 Theory into Practice: History for Educational Practice ..... 2 s.h.  
EDF 5550 Comparative and International Education ..... 3 s.h.  
EDF 5300 Theory into Practice: Psychological Foundations for Educational Practice ..... 3 s.h.

\* Candidates holding graduate teaching assistantships in the Art Department will include ART 5850 Teaching Practicum in their program of study.

\*\* Studio art electives are selected in consultation with the Graduate Coordinator.

\*\*\* Candidates for Art Education Option must take ART 5970 for a minimum of 3 credits to fulfill Art Education coursework requirements.

\*\*\*\* Studio Art electives are selected in consultation with the academic advisor for Graduate Art Education students.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair of Art Department, EIU.

## COMMUNICATION STUDIES

**Degree: Master of Arts**  
**Major: Communication Studies**  
**Option: Community College Pedagogy**

Shane Miller, Ph.D., Coordinator of Graduate Studies in Communication Studies  
Phone: 217-581-2016 or 217-581-6306  
Web Page: <http://www.eiuspeech.net/>

#### Graduate Faculty:

Mark Borzi, Ph.D., Department Chairperson  
Bell, S.; Bock, D.; Borzi, M.; Coombs, T.; Greer, N.; Helsel, C.; Hoerschelmann, O.; Hogg, M.; Holladay, S.; Marshall, R.; Mason, G.; Miller, S.; Mills, M.; Perkins, T.; Semati, M.; Sowa, B.

**Program Mission:** The Master of Arts in Communication Studies provides students with an opportunity to engage in a multifaceted course of study which is grounded in a strong theoretical base but also recognizes the marketplace. A high level of interaction between students and faculty provides students with the opportunity to construct individualized programs of advanced study. The program prepares students to be more competitive in the work place or to continue studies in a Ph.D. program.

The Master of Arts in Communication Studies with an Option in Community College Pedagogy prepares students for teaching communication courses at two-year colleges. A combination of theoretical and applied courses, instructional practicums and supervised student-teaching provide students with a strong background in communication and pedagogical theory and the opportunity to put the theory into practice.

**Admission Requirements:** A limited number of students are accepted each year; admission to the program is competitive. To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (See "Admission to Graduate Degree and Certificate Programs"). A minimum of 18 hours in communication studies with a grade of C or better is required in order to be admitted to the program. An applicant must complete a written statement of goals, submit a writing sample and three letters of recommendation attesting to the potential for successful completion of graduate work. International applicants whose native language is not English must obtain a score of 600 or higher on the paper-based Test of English as a Foreign Language (TOEFL) or a score of 250 or higher on the computer-based TOEFL. While students may be admitted to the Graduate School with fewer than 18 hours in communication studies, any deficiency in undergraduate communication studies hours must be made up before the student will be admitted to degree candidacy in communication studies.

**Study Plan Approval:** The study plan shall be filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree. A study plan is developed in consultation with an assigned advisor and must be approved by the graduate coordinator.

**Degree Requirements:** The approved study plan is the guiding document for each student's course of study. A student, in consultation with an advisor, develops a course of study with a minimum of 34 semester hours reflecting individual interests and career objectives while recognizing the diverse nature of the discipline in both content and method. The study plan for the Master of Arts in Communication Studies should reflect the following guidelines:

- All students are expected to take a core of 10 hours composed of CMN 5000, CMN 5010, and CMN 5020.
- The total program (including the core but excluding CMN 5500) is a minimum of 34 hours. A student may design a program which includes additional hours and/or takes more than one year to complete.

- A maximum of 9 hours may come from approved graduate courses outside the department.
- A maximum of 9 hours may be included from CMN 5950, CMN 5990, CMN 5920, and CMN 5997.
- A maximum of 6 semester hours of CMN 4750 to CMN 4999 may apply toward the degree provided that the courses are taught by members of the graduate faculty, that additional assignments of a graduate nature are clearly defined as part of the course requirements, and that the inclusion of these courses is approved as part of the study plan.
- A maximum of 12 hours of courses described in bullets three, four, and five may be counted in the study plan.

The study plan for the **Master of Arts in Communication Studies with the Option in Community College Pedagogy** should reflect the following guidelines:

- All students are expected to take a core of 28 hours composed of CMN 5000, CMN 5010, CMN 5020, CMN 5240, CMN 5900, CMN 5980, and either CSD 5770 or 5780.
- The total program (including the core but excluding CMN 5500) is a minimum of 37 hours. A student may design a program which includes additional hours. Students will take a minimum of 9 hours of elective courses from among CMN 5180, CMN 5510, CMN 5530, CMN 5620, CMN 5630, and CMN 5730. Students are encouraged to select electives that will help develop their educational proficiencies. The coordinator may approve a limited number of hours outside of those listed above if the candidate can demonstrate that it is necessary to his/her goals and the courses meet the guidelines listed below.
  - A maximum of 6 hours may come from approved graduate courses outside the department.
  - A maximum of 6 semester hours of CMN 4750 to CMN 4999 may apply toward the degree provided that the courses are taught by members of the graduate faculty, that additional assignments of a graduate nature are clearly defined as part of the course requirements, and that the inclusion of these courses is approved as part of the study plan.

**Capstone Experience:** Each student must successfully pass a comprehensive examination or must successfully complete a thesis or creative thesis.

**Financial Assistance:** The department's primary source of financial assistance for its graduate students is teaching assistantships in such courses as introductory public speaking. Teaching such classes requires a deep familiarity with American culture and with the norms and patterns of communication embedded in that culture. Consequently, teaching assistantships are not offered to applicants who are not native speakers of English before they have spent sufficient time in this country to become well acquainted with American culture.

International students who believe they have the requisite language skills and culture knowledge for teaching communication courses to a largely American student body may ask to be considered for teaching assistantships. To be considered, such students must provide evidence of proficiency in oral English. One form of evidence is the attainment of a high score on the Test of Spoken English (TSE). This requirement is in addition to the TOEFL score which is required for admission.

Applications for assistantships are normally due in February with the award for the following academic year. Graduate teaching assistants must enroll in CMN 5500 in both the fall and spring semesters.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Communication Studies, 1825 Coleman Hall, EIU.

## ENGLISH

### Degree: Master of Arts

#### Major: English

#### Concentrations:

##### Literary Studies

##### Literary Studies with Creative Writing Emphasis Composition/Rhetoric and Professional Writing

Christopher Hanlon, Ph.D., Coordinator of Graduate Studies in English  
Phone: 217-581-2428  
Web Page: <http://www.eiu.edu/~english/student/grad.htm>

#### Graduate Faculty:

Dana Ringuette, Ph.D., Department Chairperson  
Abella, O.; Allison, J.; Bazargan, S.; Beebe, R.; Binns, D.; Boswell, P.; Bredesen, D.; Buck, R.; Campbell, J.; Carpenter, D.; Christhilf, M.; Coleman, L.; Engles, T.; Guzowski, J.; Hanlon, C.; Hoberman, R.; Irwin, B.; Kilgore, J.; Kory, F.; Leddy, M.; Loudon, M.; Markelis, D.; Martone, J.; McCormick, F.; McGregor, F.; Moore, J.; Murray, R.; Panjwani, J.; Radavich, D.; Raybin, D.; Ringuette, D.; Ruwe, D.; Scott, M.; Searle, W.; Shonk, T.; Stevens, C.; Suksang, D.; Swords, S.; Sylvia, R.; Vietto, A.; Watkins, J.R.; Weasmer, J.; Wixson, C.; Zahlan, A.

**Program Mission:** The Master of Arts in English offers students opportunities to pursue advanced training in one of three areas of concentration: Literary Studies, Literary Studies with Creative Writing emphasis, Composition/Rhetoric and Professional Writing. The program will prepare students for careers in a variety of fields, including secondary and college-level teaching, editing and publishing, research and technical writing in either the private or the public sector. Master of arts graduates will also be prepared to undertake further study at the doctoral level. Close contact with the department's excellent graduate faculty allows students to deepen their knowledge of literary study, the teaching of writing and literature, and the use of technology for both scholarly and practical research. Graduate assistantships, internships, mentorships, and some classroom teaching are available and integrated into students' individualized programs of study.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, applicants must provide a documented score on the General Test of the Graduate Record Exam and submit an essay stating the reasons for applying. Candidates applying to the Literary Studies with Creative Writing Emphasis Concentration need to submit a portfolio of creative writing. International students must also document a score of at least 600 on the TOEFL.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). In addition, the Master of Arts in English is earned either by satisfactorily completing 30 hours of coursework and a thesis, or 33 hours of coursework and passing a comprehensive examination. A maximum of nine semester hours earned in scheduled English courses numbered 4750-4999 and/or (with prior approval) of courses numbered 5000 and above in other departments can be applied towards the Master of Arts in English. Degree candidates in English must meet all degree requirements stipulated by the Graduate School.

#### Concentrations for the Master of Arts in English:

##### Literary Studies

The required coursework for the 30 hour option with the thesis and the 33 hour option with written comprehensive exams are listed below:

##### 30 Hour Option and Thesis Required Courses:

##### Curriculum for Candidates Not Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
Literature Courses.....	18 s.h.
Electives.....	9 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.
<b>Curriculum for Candidates Holding Assistantships</b>	
ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5011 Studies in Composition and Rhetoric.....	3 s.h.
ENG 5502 Mentored Composition Teaching.....	3 s.h.
Literature Courses.....	15 s.h.
Electives.....	5 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.

##### 33 Hour Option and Exam Required Courses:

##### Curriculum for Candidates Not Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
Literature Courses.....	18 s.h.
Electives.....	12 s.h.
Examination/Tutorial.....	3 s.h.
Total Hours with Exam.....	36 s.h.
<b>Curriculum for Candidates Holding Assistantships</b>	
ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5011 Studies in Composition and Rhetoric.....	3 s.h.
ENG 5502 Mentored Composition Teaching.....	3 s.h.
Literature Courses.....	18 s.h.
Electives.....	5 s.h.
Examination/Tutorial.....	3 s.h.
Total Hours with Exam.....	36 s.h.

##### Literary Studies with Creative Writing Emphasis:

Electives in this concentration include courses in creative writing, literature, rhetoric, or professional writing. All candidates in this option must complete a master's thesis. Final approval for the creative writing thesis will be granted after a portfolio of creative work receives written approval from three members of the graduate faculty who regularly teach courses in creative writing. (At least one creative writing course shall be in the genre chosen for the thesis.)

##### 30 Hour Option and Thesis Required Courses:

##### Curriculum for Candidates Not Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
Advanced Creative Writing Courses.....	6 s.h.
Literature Courses.....	12 s.h.
Electives*.....	9 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.
<b>Curriculum for Candidates Holding Assistantships</b>	
ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5011 Studies in Composition and Rhetoric.....	3 s.h.
ENG 5502 Mentored Composition Teaching.....	3 s.h.
Advanced Creative Writing Courses.....	6 s.h.
Literature Courses.....	9 s.h.
Electives*.....	5 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.

\* The electives in this option are chosen from creative writing, literature, rhetoric, and professional writing.

##### Composition/Rhetoric and Professional Writing:

The required courses for the 30 hour option with a thesis and the 30 hour option with a comprehensive exam/tutorial are listed below:

##### 30 Hour Option and Thesis Required Courses:

##### Curriculum for Composition/Rhetoric All Candidates

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5502 Mentored Composition Teaching.....	3 s.h.
Electives.....	17 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.

##### 33 Hour Option and Exam Required Courses:

##### Curriculum for Composition/Rhetoric All Candidates

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5502 Mentored Composition Teaching.....	3 s.h.
Electives**.....	20 s.h.
Examination/Tutorial.....	3 s.h.
Total Hours with Exam.....	36 s.h.

##### Curriculum for Professional Writing Candidates Not Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 4760 Studies in Professional Writing.....	3 s.h.
ENG 5960 Professional Writing Internship.....	3 s.h.
Electives.....	15 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.

##### Curriculum for Professional Writing Candidates Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 4760 Studies in Professional Writing.....	3 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5960 Professional Writing Internship.....	3 s.h.
Electives**.....	14 s.h.
Thesis.....	3 to 6 s.h.
Total Hours with Thesis.....	33 to 36 s.h.

##### Curriculum for Professional Writing Candidates Not Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 4760 Studies in Professional Writing.....	3 s.h.
ENG 5960 Professional Writing Internship.....	3 s.h.
Electives**.....	18 s.h.
Examination/Tutorial.....	3 s.h.
Total Hours with Exam.....	36 s.h.

##### Curriculum for Professional Writing Candidates Holding Assistantships

ENG 5000 Intro to Methods and Issues in English Studies.....	3 s.h.
ENG 5011 Studies in Composition and Rhetoric (Repeated for 6 s.h.).....	6 s.h.
ENG 4760 Studies in Professional Writing.....	3 s.h.
ENG 5500 Practicum in Teaching Composition.....	1 s.h.
ENG 5960 Professional Writing Internship.....	3 s.h.
Electives**.....	17 s.h.
Examination/Tutorial.....	3 s.h.
Total Hours with Exam.....	36 s.h.

**Study Plan Approval:** The study plan shall be developed in consultation with the English Department's Graduate Coordinator; the final plan must be approved by the department and filed with the graduate coordinator during the semester prior to the term the candidate plans to graduate. Students must declare their area of concentrated study no later than their second semester.

**Graduate Assistantships** Candidates applying for an assistantship must have a GPA of 3.00. They need to submit to the Coordinator of Graduate Studies the following documents: a completed application form (available on the Graduate School's web site), two letters of recommendation, and a writing sample (a professional, scholarly, or creative essay of at least 1000 words). More information on assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of English, 3135 Coleman Hall, EIU.

\*\*Electives recommended in this concentration include the following: ENG 4760 Writing for the Professions; ENG 5091 Studies in Language, Linguistics, and Literacy; INT 4813 Advanced Digital Media Technology; JOU 4760 Advanced Publication Design

## HISTORY

**Degree: Master of Arts**  
**Major: History**  
**Option: Historical Administration**

Mark Voss-Hubbard, Ph.D., Coordinator of Graduate Studies in History  
 Nora Pat Small, Ph.D., Coordinator of Graduate Studies, Historical Administration Option  
 Phone: 217-581-3310  
 Web Page: <http://www.eiu.edu/~history/grad/>  
<http://www.eiu.edu/~history/ha/>

### Graduate Faculty:

Anita K. Shelton, Ph.D., Department Chairperson  
 Barnhart, T.; Beck, R.; Birk, J.; Coit, J.; Curry, L.; Duesta, J.; Elder, S.; Hardeman, M.; Kammerling, J.; Key, N.; Lee, J.; LeMaster, M.; Mazumder, R.; Miller, P.; Ogbomo, O.; Reid, D.; Riccio, R.; Shelton, A.; Shirley, M.; Small, N.; Smith, D.; Voss-Hubbard, M.; Wehrle, E.; Young, B.

**Program Mission:** In addition to furthering their knowledge of United States, European, and World History through reading and research, students in the graduate program in history develop their skills in writing and critical thinking. The **Master of Arts in History** prepares graduates to pursue teaching, research (in government, business, or academia), and further graduate study.

The **Option in Historical Administration** introduces students to the problems, philosophies, ethics, and techniques of preserving, interpreting, and administering historical sites and collections, and prepares students for work in historical museums, archives, historical societies, and related cultural organizations.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Additional requirements for the program in History include submitting a statement of professional goals, and two confidential letters of recommendation. Additionally, admission to the graduate program in History requires a minor in history or its equivalent. For the Option in Historical Administration, additional requirements include completing a Historical Administration Program application, submitting a statement of professional goals, and two confidential letters of recommendation. Historical Administration Program applications are available from the graduate coordinator, or on-line at <http://www.eiu.edu/~history>. Students must have written approval of the department prior to counting any graduate-level course (outside Eastern Illinois University's History Department) toward graduate credit.

**Study Plan Approval:** For the Master of Arts in History, the student chooses during the first month of course work a history professor to head the student's exam committee in his or her intended concentration. The student should meet with the committee head (as well as the advisor) from time-to-time to monitor exam progress. The student must also contact professors who agree to serve as exam committee members based on the student's concentration at that time. Historical Administration students follow a required curriculum and faculty compose the student's oral exam committee.

### Concentrations for the Master of Arts in History:

#### European Concentration:

The majority of course work on the study plan must be in European History and two exam committee members must be chosen from professors who are European specialists. (Written exams are to cover Medieval/Early Modern to Modern). The minor field will be United States or World History.

#### United States Concentration:

The majority of course work on the study plan will be in United States History and two exam committee members must be chosen from professors who are United States specialists. (Written exams are to cover colonial period to present). The minor field will be European or World History.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). In addition, all candidates for the Master of Arts in History must pass a written comprehensive examination in the student's concentration and an oral comprehensive examination in both concentration and minor field upon completion of all course work, and submit a graded and revised research paper and a bibliography of works read during their graduate studies. Candidates for the Master of Arts in History with Historical Administration Option must pass a written comprehensive examination, successfully complete a 6 month internship, submit a graded and revised research paper that includes an extensive bibliography of the topic covered in the paper, and pass an oral comprehensive exam that integrates knowledge gleaned from the internship. Those students whose oral exam is awarded a "pass with distinction" by the exam committee may be awarded (upon the approval of the full exam committee) a "pass with distinction" on the certificate of comprehensive knowledge (and the official transcript).

### Curriculum for the Master of Arts in History with Thesis

Approved History courses numbered 4750 or higher\*.....21 s.h.  
 HIS 5000 Historiography ..... 3 s.h.  
 HIS 5950 Thesis..... 6 s.h.  
 Total with Thesis .....30 s.h.

### Curriculum for the Master of Arts in History without Thesis

Approved History courses numbered 4750 or higher\*.....29 s.h.  
 HIS 5000 Historiography ..... 3 s.h.  
 Total.....32 s.h.

### Curriculum for the Master of Arts in History with the Option in Historical Administration

HIS 5010 Administration of Historical Organizations..... 3 s.h.  
 HIS 5020 Historical Interpretation and Public Programs ..... 3 s.h.  
 HIS 5030 Archival Methods ..... 3 s.h.  
 HIS 5050 History of American Architecture..... 3 s.h.  
 HIS 5070 Research Methods in Local History..... 3 s.h.  
 HIS 5090 Care and Management of Historical Artifacts ..... 3 s.h.  
 HIS 5110 History Museum Exhibits ..... 3 s.h.  
 HIS 5111 History Museum Exhibits ..... 1 s.h.  
 HIS 5330 Material Life in America ..... 25 s.h.  
 HIS 5980 (6 s.h. minimum)..... 6 to 12 s.h.  
 JOU 5001..... 1 s.h.  
 Group A Elective: Any American History Graduate Course..... 3 s.h.  
 Group B Elective: HIS 4900, 4920 or Any Approved Applied History Course ..... 3 s.h.  
 Total.....38 to 44 s.h.

\* The coordinator may approve a limited number of hours outside of history if the candidate can demonstrate that it is necessary to his/her goals.

**Graduate Assistantships:** Information on graduate assistantships for the program in History may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of History, 2740 Coleman Hall, EIU. Information on graduate assistantships for the Option in Historical Administration may be obtained by contacting the Historical Administration Program Coordinator, Department of History, 2740 Coleman Hall, EIU or by visiting the website at <http://www.eiu.edu/~history>.

## MUSIC

**Degree: Master of Arts**  
**Major: Music**

Peter D. Hesterman, Ph.D., Coordinator of Graduate Studies in Music  
 Phone: 217-581-3611  
 Web Page: <http://www.eiu.edu/~music/graduate/graduate.html>

### Graduate Faculty:

Parker Melvin, D.M.A., Department Chairperson  
 Coles, M.; Daniels, J.; Fagaly, S.; Hesterman, P.; Hobbs, W.D.; Horney, A.; Jensen, G.; Loewen, P.; Martin, J.; Melvin, W.P.; Poulter, P.; Rossi, R.; Teicher, S.

**Program Mission:** The Master of Arts in Music provides advanced preparation for teaching, performing, and/or further graduate study. A core of music courses required for the degree provides essential background in history, literature, research and analysis. Other specialized courses, seminars and individual studies in performance, conducting, composition, theory, history and literature aid the student in achieving his or her career goals.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Additional requirements include:

- proof of a Bachelor's Degree in Music or proof of a bachelor's degree in another discipline with sufficient musical experience to warrant admission;
- a letter of application and résumé;
- for singers and instrumentalists, an audition; for conductors, a video recording of a recent performance or rehearsal and an audition; for composers, scores and recordings of original compositions; and
- a personal interview. Audition guidelines and repertory lists are available from the graduate coordinator.

**Music Placement Examinations:** Once admitted to graduate study, all graduate students are required to take examinations in music history and literature, theory and aural skills. Examinations are given in the first week of each semester. The examinations are used to identify possible deficiencies in undergraduate work; remedial work is prescribed when necessary.

**Study Plan Approval:** The study plan shall be approved by the student's graduate examination committee and the graduate coordinator, and filed with the graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). In addition, all students must pass both written and oral comprehensive examinations and complete a thesis or a graduate recital and analysis project.

The core of courses for the music major includes: MUS 5100, 5170, 5880, 5940 or 5950, and four semester hours of applied music study. Guidelines for course concentrations in performance, composition, conducting, and music education are at the following web site: [http://www.eiu.edu/~music/graduate/grad\\_curriculum.html](http://www.eiu.edu/~music/graduate/grad_curriculum.html).

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Music, EIU.

### Other College of Arts and Humanities Graduate Faculty Members

**Journalism**  
 Tidwell, J.; Voelz, P.  
**Theatre Arts**  
 Oertling, J.; Wolski, D.; Wolski, J.

## GRADUATE DEGREE PROGRAMS

### LUMPKIN COLLEGE OF BUSINESS AND APPLIED SCIENCES

Diane B. Hoadley, Ph.D., Dean  
Martha S. Brown, Ph.D., Associate Dean

#### Master of Business Administration, Master of Science, and Master of Arts Degrees

#### SCHOOL OF BUSINESS

**Degree: Master of Business Administration**  
**Major: Business Administration**  
**Concentration: Accountancy**  
**Certificate: Accountancy**

Cheryl L. Noll, Ph.D., Coordinator of Graduate Studies in Master of Business Administration  
Phone: 217-581-3028  
Web Page: <http://www.eiu.edu/~mba/>

#### Graduate Faculty:

Jane Wayland, Ph.D., Department Chairperson  
Allen, W.; Costello, T.; Davis, H.; Elmuti, D.; Garrett, N.; Graves, P.; Jordan-Wagner, J.; Joyce, W.; Kathawala, Y.; Kemmerer, B.; Ketter, K.; Larabee, S.; Larson, S.; Marlow, N.; Mills, T.; Minnis, W.; Moncada, T.; Nantz, K.; Noll, C.; Palmer, R.; Roszkowski, C.; Wayland, J.; Wayland, R.; Willems, J.; Wootton, C.

**Mission:** Learning for Leadership: The MBA Program at Eastern Illinois University is an AACSB accredited graduate program that prepares students for employment in positions of leadership in small and large businesses, industry, government, and non-profit organizations in a contemporary global environment. The program emphasizes the application of analytical tools and related skills that are essential for making informed business decisions. Learning for Excellence: The dedicated faculty seeks to foster excellence, creativity, and innovation through a responsive, dynamic, challenging, and culturally diverse learning environment, with a focus on experiential and applied learning and research. Learning for Life: The program promotes and expects ethical behavior in all aspects of professional work and prepares its students for life-long discovery and professional fulfillment in a global economy.

**Program Aim:** The degree Master of Business Administration is designed to develop the fundamental body of knowledge and analytical tools common to all management positions through advanced study in management, marketing, accounting, information systems, behavioral sciences, finance, and quantitative approaches to decision making. In addition, both faculty and students are presented with the opportunity to conduct and utilize research in the solution of business problems. The purpose of this program is to prepare students for business careers and advanced study.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Also, candidates must submit an MBA program application, résumé with references, and professional goal statement. All applicants must take the Graduate Management Admission Test (GMAT). To be admitted to degree candidacy, applicants are expected to score at least 1,000 points based on the following formula: 200 times the cumulative undergraduate GPA plus the GMAT score. Minimum GMAT scores are as follows: Total, 400; Verbal, 18; Quantitative, 20; Analytical Writing, two. The Graduate Business Studies office follows the policies of the Graduate School for calculating the GPA. Applicants must have achieved a minimum undergraduate cumulative grade point average (GPA) of 2.75 on a 4.0 scale or a 2.75 GPA on the last 60 hours of graded academic course work. The undergraduate cumulative GPA

is defined as the final GPA as reflected on the official transcript of the institution granting the baccalaureate degree. If no cumulative GPA is specified or if the institution uses a scale other than a 4.0 scale, the Graduate School will calculate the GPA for the baccalaureate institution. If applicants do not have a 2.75 cumulative GPA on the official transcript of the institution granting the degree, or if the undergraduate degree was earned in a non-traditional program, the Graduate School will automatically calculate the GPA on the last 60 hours of graded academic course work. The cumulative GPA for the last 60 hours is calculated by identifying the most recent term in which the student has completed course work and counting backward until the terms in which 60 semester hours were earned are identified. All of the hours in those terms will be included in the calculation. Applicants may request that course work taken as a post-baccalaureate student be considered in the computation of the GPA when calculating the GPA on the last 60 semester hours. This request must be made to the Graduate School. Applicants must provide official transcripts of all post-baccalaureate course work and request that all post-baccalaureate work be included in the calculation. When such a request is made, the cumulative GPA is calculated by identifying the most recent term in which the student has completed course work and counting backward until the term in which 60 semester hours are identified. All of the hours in those terms will be included in the calculation. Exceptions to admission requirements will be reviewed on a case-by-case basis by the Graduate Business Studies Committee. Additional criteria may be established by the Graduate Business Studies Committee to evaluate applicants for admission.

**Honor Code:** An important expectation of the MBA program is appropriate ethical behavior in all aspects of professional and educational endeavors. To promote and guide this behavior, the School of Business Graduate Committee has adopted an Honor Code for the MBA Program. All applicants are required to sign the Honor Code and return it to the Graduate Business Studies Office as a condition for admission. The form can be found at the MBA web site: <http://www.eiu.edu/~mba/>

**Application Process:** Submit to the **Office of Graduate Business Studies**, 4025 Lumpkin Hall, Eastern Illinois University, 600 Lincoln Avenue, Charleston, Illinois, 61920-3099, the following:

- MBA Program Application for Admission,
- Résumé with list of two references, including contact information,
- Professional goal statement,
- All official transcripts from regionally accredited colleges or universities attended. Unofficial transcripts, such as those marked "Issued to Student," are not acceptable. One transcript should certify the completion of the baccalaureate degree. EXCEPTION: A transcript verifying completion of seven semesters of undergraduate course work will be accepted if the applicant is a senior in college. An official transcript certifying the receipt of the baccalaureate degree will be required before the student will be admitted as a graduate student. Students who have attended Eastern do not have to provide EIU transcripts,
- Signed Honor Code Agreement,
- Results of the Graduate Management Admission Test (GMAT).

For additional information about the program and application forms, visit the MBA web site: [www.eiu.edu/~mba/](http://www.eiu.edu/~mba/).

Failure to submit all required application materials by the following dates may result in a delay of the registration process for the academic year entering: fall semester - August 1, spring semester - December 1, and summer term - May 1. International students: fall semester - May 15, spring semester - October 15.

**Study Plan Approval:** The study plan must be approved by the Coordinator of Graduate Business Studies and filed with the Graduate School at the beginning of the last semester in which the student is enrolled in courses counting toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

#### MBA—General Management

The required courses for the MBA- General Management degree include Phase I courses that provide business fundamentals normally covered in an undergraduate business degree program and Phase II courses that provide advanced business study. Students with an undergraduate business degree generally have completed all or most of the Phase I courses and may be prepared to enroll immediately in Phase II courses. Students without an undergraduate degree in business generally must complete all or most of the Phase I courses before beginning the Phase II course work. Students must complete all Phase I courses with a C or better by the time fifteen (15) hours of Phase II courses are successfully completed. Students who have not met this requirement will not be permitted to enroll in additional Phase II classes. Students lacking no more than six hours of Phase I courses may enroll in Phase II courses while satisfying the remainder of their Phase I course work. However, students may not enroll in a Phase II course unless they have completed all prerequisites for the course.

#### Phase I

Students must complete, or have completed with a grade of C or better, undergraduate courses for which the content is substantially equivalent to the following at Eastern Illinois University:

MAT 2110G Brief Calculus with Application	3 s.h.
ECN 2801G Economics I	3 s.h.
ECN 2802G Economics II	3 s.h.
BUS 2101 Accounting I	3 s.h.
BUS 2102 Accounting II	3 s.h.
BUS 2750 Legal & Social Environment of Business	3 s.h.
BUS 2810 Business Statistics	3 s.h.
BUS 3010 Management & Organizational Behavior	3 s.h.
BUS 3470 Principles of Marketing	3 s.h.
BUS 3710 Business Financial Management	3 s.h.
BUS 3950 Operations Management	3 s.h.
<b>Total</b>	<b>33 s.h.</b>

#### Phase II MBA General Management

The required courses in the MBA General Management program are:

MBA 5500 Quantitative Modeling	3 s.h.
MBA 5550 Marketing Management	3 s.h.
MBA 5605 Managerial Accounting Control	3 s.h.
MBA 5640 Financial Management	3 s.h.
MBA 5660 Operations Management	3 s.h.
MBA 5670 Management Information Systems	3 s.h.
MBA 5680 Organizational Behavior & Group Dynamics	3 s.h.
MBA 5890 Administrative Policy	3 s.h.
Electives*	9 s.h.
<b>Total</b>	<b>33 s.h.</b>

\*The elective courses must be in business or related subjects and must be approved by the MBA Coordinator.

#### MBA with Accountancy Concentration

**Program Aim:** The program is designed as a Concentration in Accountancy and all transcripts and diplomas of graduates will indicate "Master of Business Administration with Concentration in Accountancy." The MBA degree with a concentration in accountancy

is intended for students who have completed an undergraduate degree in accounting. At the completion of this program, graduates will have:

- the ability to apply technical accounting knowledge in managerial decision-making;
- a strong understanding of the complex interrelationships between functional business areas;
- communication skills and critical thinking abilities expected by employers and required of future accounting professionals; and
- the opportunity to meet the educational requirements necessary to qualify to take the Certified Public Accountant examination.

**Required Courses:** In addition to the Phase I courses listed previously, students must complete or have completed, the following undergraduate accounting prerequisite courses or their equivalents with a grade of C or better:

ACC 3200 Financial Accounting Theory	3 s.h.
ACC 3250 Financial Accounting Theory II	3 s.h.
ACC 3300 Management & Cost Accounting	3 s.h.
ACC 3900 Accounting Information Systems	3 s.h.
ACC 4400 Federal Income Taxation I	3 s.h.
ACC 4700 Auditing and Assurance Services	3 s.h.

#### Phase II MBA with Accountancy Concentration

ACC 5400 Advanced Auditing & Assurance Services	3 s.h.
MBA 5500 Quantitative Modeling	3 s.h.
MBA 5550 Marketing Management	3 s.h.
MBA 5640 Financial Management	3 s.h.
MBA 5660 Operations Management	3 s.h.
MBA 5670 Management Information Systems	3 s.h.
MBA 5680 Organizational Behavior & Group Dynamics	3 s.h.
MBA 5890 Administrative Policy	3 s.h.
Add 3 courses from the following (of which at least 2 must be 5000 level courses.):	
ACC 4750 Governmental and Not-for-Profit Accounting	3 s.h.
ACC 4800 Federal Income Taxation II	3 s.h.
ACC 5100 Special Topics in Accounting	3 s.h.
ACC 5200 Financial Accounting Standards	3 s.h.
ACC 5300 Strategic Cost Management	3 s.h.
ACC 5700 Seminar on Challenges in Accounting	3 s.h.
ACC 5800 Employee Benefit Plans	3 s.h.
<b>Total</b>	<b>33 s.h.</b>

**Graduate Assistantships:** Information on graduate assistantships in the School of Business may be obtained by contacting the Coordinator of Graduate Business Studies or by visiting the MBA web site: [www.eiu.edu/~mba/](http://www.eiu.edu/~mba/). The application deadline is March 31.

#### Certificate: Accountancy

**Purpose of the Program:** This graduate certificate program is designed for graduate students and professionals who want to further develop their professional skills and extend their knowledge of specific accounting issues.

**Eligibility and Admission Requirements:** This certificate program is available to prospective MBA candidates and working professionals. To be eligible for admission, applicants must meet the requirements established by the Graduate School which include verification of completion of a baccalaureate degree from an accredited institution approved by Eastern Illinois University and documentation of a minimum undergraduate cumulative grade point average of 2.75 on a 4.0 scale or a 2.75 GPA on the last 60 hours of graded academic course work and submit an Application for Admission to the Graduate School. Applicants must also submit an Application for Admission to the Certificate Program through the Office of Graduate Business Studies.

**Course/Curriculum Requirements:** The School of Business Certificate in Accountancy requires 18 semester hours of elective courses in Accountancy. Choose 18 semester hours from the courses listed below:

ACC 4750	Governmental and Not-For-Profit Accounting	3 s.h.
ACC 4800	Federal Income Taxation II	3 s.h.
ACC 5100	Special Topics in Accounting	3 s.h.
ACC 5200	Financial Accounting Standard	3 s.h.
ACC 5300	Strategic Cost Management	3 s.h.
ACC 5400	Advanced Auditing & Assurance Services	3 s.h.
ACC 5700	Seminar on Challenges in Accounting	3 s.h.
ACC 5800	Employee Benefit Plans	3 s.h.

**Courses Applicable Toward a Specific Concurrent or Future Degree Program:** Upon approval from the graduate coordinator, graduate course credits completed for the certificate program may be applied to a Master's of Business Administration degree at Eastern Illinois University as electives or to fulfill requirements for the concentration in accountancy. All courses applied to the certificate or degree program must be completed within the six-year time limit. All other regulations established by the Graduate School pertaining to degree study will be applicable to the courses for concurrent or future degree program. EIU Seniors may enroll for courses under the "Reserve Graduate Credit" option; but will be required to meet the standard admission requirements to be admitted to the certificate program after completion of the baccalaureate degree. Meeting the requirement to take courses under the reserve graduate credit option does not guarantee admission to the certificate program or to the MBA program.

**Certificate Study Plan:** The study plan for the certificate program must be approved by the Coordinator of Graduate Business Studies and filed with the Graduate School at the beginning of the last semester in which the student is enrolled in courses counting toward the graduate certificate.

## SCHOOL OF FAMILY AND CONSUMER SCIENCES

**Degree: Master of Science**  
**Major: Family and Consumer Sciences**  
**Option: Dietetics**

Frances Murphy, Ph.D., Coordinator of Graduate Studies in Family and Consumer Sciences  
 Phone: 217-581-6076 or 217-581-6997  
 Web Page: <http://www.eiu.edu/~famsci/academics/msfcs.htm>  
<http://www.eiu.edu/~dietetic>

**Graduate Faculty/Family and Consumer Sciences, Dietetics Option, and Gerontology Programs:**  
 James Painter, Ph.D., Department Chairperson  
 Burns, M.; Campanis, L.; Dilworth, J.; Fernando, I.; Hubbard, M.; McCallister, P.; Meadows, M.; Murphy, F.; O'Rourke, K.; Ozier, J.; Painter, J.; Simpson, L.; Slavik, J.; Snyder, J.; Wilkinson, R.

**Purpose of Programs:** The School of Family and Consumer Sciences offers two graduate programs which accommodate students with interest areas such as human development and family life, consumer studies, textiles, foods and nutrition, or dietetics. The Master of Science in Family and Consumer Sciences without Dietetics Option offers study opportunities for content that does not have the dietetics focus and requires a 30 or 32 hour program. The Master of Science in Family and Consumer Sciences with Dietetics Option offers study that is preparatory to earning the Registered Dietician (R.D.) credential and requires a 36 or 38 hour program.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Applicants who have not completed a baccalaureate family and consumer sciences program will be expected to satisfy undergraduate deficiency course requirements in addition to their graduate requirements. The graduate coordinator will identify any undergraduate deficits at the time the admission decision is made. Potential undergraduate deficiencies could be FCS 1800- Life Span Human Development, FCS 2100-

Nutrition in a Global Society and FCS 3300- Consumer Education.

**Program of Study:** The study plan shall be approved by the School and filed with the School's graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). Each program is designed to meet individual student needs and program requirements. In the FCS without Dietetics Option, students may select an area of interest and develop a study plan in consultation with and approval of the assigned academic advisor and committee. Courses may be selected from such topics as human development and family life, consumer studies, and nutrition. Thirty semester hours with thesis or 32 semester hours without thesis are required.

**Graduate Assistantships:** Graduate assistantships are offered each year in foods courses; the child development laboratories; Nutrition Education Resource and Referral; as the Financial Health Coordinator; in student organization management; overseeing the textile laboratory; through Child Care Resource and Referral; and in general support for the School of Family and Consumer Sciences. Brief position descriptions are at the following web site: <http://www.eiu.edu/~famsci/academics/gapositiondesc.pdf> The weekly work obligation is 18 - 19 hours. Applications for graduate assistantships for the following academic year are due to the graduate coordinator in the School of Family and Consumer Sciences by February 15 or the following business day. Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Family and Consumer Sciences, 1030 Klehm Hall, EIU. The following web sites provide an assistantship application checklist and the application form: <http://www.eiu.edu/~famsci/academics/gadirections.pdf> <http://www.eiu.edu/~graduate/GAappl.htm>

**Core Requirements:** The following graduate level Family and Consumer Sciences courses are required:  
 FCS 5460 Current Issues and Trends ..... 3 s.h.  
 FCS 5900 Research Methods in FCS ..... 3 s.h.  
 And one of the following:  
 FCS 5450 Administration and Supervision in Family and Consumer Sciences ..... 3 s.h.  
 FCS 5470 Evaluation in Family and Consumer Sciences ..... 3 s.h.  
 Total ..... 9 s.h.  
**Other Requirements:** In addition to Family and Consumer Sciences core courses, 21-23 semester hours of electives are to be selected by the student with prior approval of the advisor. Selection of electives will be determined by undergraduate preparation, inclusion of foundational program's content area at the 5000 level, professional goals, interest, and the needs of the student.

### Dietetics Option

**Degree Requirements:** Upon completion of this option, graduates will be eligible to write for the dietetic registration examination. The Dietetic Internship is granted accreditation status by the Commission on Accreditation of Dietetics Education of the American Dietetic Association, 120 Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 312-899-5400. The program includes a minimum of 1080 clock hours of supervised practice, including clinical, food service/management, and community dietetics. Thirty-six semester hours with thesis or 38 semester hours without thesis are required. Information on Graduate Assistantships in the program can be found at the following web site: <http://www.eiu.edu/~famsci/academics/msfcs.htm>

**Core Requirements:** The following graduate-level Family and Consumer Sciences courses are required:  
 FCS 5460 Current Issues and Trends ..... 3 s.h.  
 FCS 5900 Research Methods in FCS ..... 3 s.h.  
 And one of the following:  
 FCS 5450 Administration and Supervision in Family and Consumer Sciences ..... 3 s.h.

FCS 5470	Evaluation in Family and Consumer Sciences	3 s.h.
Total		9 s.h.

**Other Requirements:**

FCS 5152	Readings in Nutrition Research	3 s.h.
FCS 5153	Nutrition in the Life Cycle	3 s.h.
FCS 5154	Medical Nutrition Therapy	3 s.h.
FCS 5155	Teaching and Marketing Nutrition	3 s.h.
Total		12 s.h.

Twelve semester hours must be earned in the Dietetics Option to provide "supervised practice" as defined by the American Dietetic Association. An additional three-to-five semester hours of electives are to be selected by the student with prior approval of the advisor.

**NOTE:** Students must provide verification of completion of a Didactic Program in Dietetics before starting the dietetic internship component.

**Nutrition Education Specialist:** Master's degree graduates who meet the criteria and attain the competencies specified by the Society for Nutrition Education are entitled to use the designation Nutrition Education Specialist and will be awarded the Nutrition Education Specialist certificate upon graduation.

**Degree: Master of Arts**  
**Major: Gerontology**

Jeanne Snyder, Ph.D., Coordinator of Graduate Studies in Gerontology  
 Phone: 217-581-7843  
 Web Page: [http://www.eiu.edu/~ma\\_geron/](http://www.eiu.edu/~ma_geron/)

**Graduate Faculty:**

In addition to the graduate faculty in the School of Family and Consumer Sciences, also see graduate faculty in the departments of Physical Education, Psychology, Secondary Education and Foundations, and Sociology/Anthropology.

**Program Mission:** The purpose of this multi-disciplinary program is to provide in-depth study of gerontology for both potential professionals and current practitioners working in the field. Cooperating academic units include the School of Family and Consumer Sciences, the departments of Physical Education, Psychology, Secondary Education and Foundations, and Sociology/Anthropology.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs").

**Study Plan Approval:** The responsibility for approval of the study plan for the Master of Arts in Gerontology rests with the Master of Arts in Gerontology Program Committee and shall be approved and filed with the graduate coordinator prior to the completion of 12 semester hours of graduate credits which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

The courses for the degree must total at least 30 semester hours for programs including the thesis and at least 32 semester hours for programs without thesis. In addition to the core requirements, 9-11 hours of graduate credit electives are to be selected by the student with prior approval of the advisor. Without the appropriate preparation, additional graduate or undergraduate course work may be required as determined by the Gerontology Program Committee. All students enrolled in this program must satisfy the basic course requirements listed below:

SOC 4800	Sociological Aspects of Gerontology	3 s.h.
PED 5225	Physical Activity and Aging	3 s.h.

PSY 5540	Psychological Processes in the Aged	3 s.h.
EDF 5590	Educational Response to Third Age Learning	3 s.h.
FCS 5846	Administration of Human Services Programs	3 s.h.
FCS 5900	Research Methods	3 s.h.
FCS 5980	Internship	3-4 s.h.
Total		21 s.h.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of the Gerontology Program or Chair, Family and Consumer Sciences, 2056 Klehm Hall, EIU.

## SCHOOL OF TECHNOLOGY

**Degree: Master of Science**  
**Major: Technology**  
**Certificates: Computer Technology**  
**Quality Systems**  
**Work Performance Improvement**

Peter Ping Liu, Ph.D., Coordinator of Graduate Studies in Technology  
 Phone: 581-3226 or 581-6267  
 Web Page: <http://www.eiu.edu/~tech/DeqMS.htm>

**Graduate Faculty:**

Mahyar Izadi, Ph.D., Department Chairperson  
 Age, P.; Boldrey, T.; Butler, L.; Chadd, J.; Guccione, S.; Hawkins, T.; Helsel, L.; Luft, R.; Izadi, M.; Liu, P.; Luft, R.; Messer, J.; Salinas, F.; Salazar, R.; Toosi, M.; Wahby, W.; Waskom, T.; Woodley, D.

**Program Mission:** The purpose of the Master of Science in Technology program is to develop advanced knowledge and skills in those responsible for the leadership and management of technological issues and resources. The program is designed to:

- provide learning opportunities for developing advanced professional, technical, and personal competencies in the discipline;
- identify, develop, and implement quality strategies in today's organizations;
- develop research and communication skills necessary for technological leadership; and
- provide an understanding of ethical and social implications related to global technological societies. The master's program places special emphasis on quality systems, work performance improvement, and computer technology. The graduate program offers certificates in these specialized areas.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Degree and Certificate Programs"). In addition to the published university graduate degree status requirements, the School of Technology requires that applicants demonstrate significant relevant educational background and/or work experience or training when determining admission classification (degree, non-degree, or provisional). Provisionally admitted students may be required to complete course work in technology or a related field to meet admission requirements established by the School of Technology's Graduate Committee.

**Study Plan Approval:** The study plan shall be approved by and filed with the Graduate Coordinator or the Chair, School of Technology.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). In addition, the Master of Science in Technology degree requires this core:

TEC 5103	Science and Technology of Leadership	3 s.h.
TEC 5133	Total Quality System	3 s.h.
TEC 5143	Research in Technology	3 s.h.
TEC 5173	Global Technology	3 s.h.

Students must complete a minimum of 26 semester hours of course work exclusive of internship, independent study, and workshop credit.

The degree program provides students with the following opportunities for focused study in four areas:

**Technology Management:** The curriculum is suitable for students who desire to be part of an effective management team in industrial related organizations. The program offers the ideal blend of technical knowledge and management principles needed for effective leadership. Key areas include total quality systems, statistical quality assurance, design for quality, advanced manufacturing management, industrial productivity analysis, industrial simulation, advanced computer integrated manufacturing, plant layout and material handling technology, problem solving techniques for manufacturing, reliability, and product innovation.

**Training and Development:** This cluster of courses is suitable for students who aspire to be part of performance improvement teams in industry and business. It focuses on helping people in the organization to reach their excellence in their respective capacity. Studies include work performance technology, leadership, training systems management, instructional technology, conflict in the workplace, productive work teams, and accelerated training and learning.

**Career and Technical Education:** The curriculum is designed for individuals who are committed to excellence in learning and education in the areas of Business Education, Family and Consumer Sciences Education, and Technology Education. Studies include curriculum development, social foundations of education, principles of career development, occupational perspectives, training program development, accelerated training and learning, administration and coordination techniques of cooperative occupational education, and instructional technology.

**Computer Technology:** The curriculum provides students with knowledge and skills in current computer technology. Key areas include data communications and networking technology, advanced database technology, multimedia and web technology, management of computer technology, data acquisition, industrial system simulation, advanced computer integrated manufacturing, automatic identification, and other industrial applications of computer technology.

In addition to the degree requirements, the School of Technology also requires that the candidate for the Master of Science in Technology degree successfully demonstrate comprehensive knowledge gained during the study. The comprehensive knowledge will be certified if the candidate meets the following requirements:

- Provide a satisfactory written report.
- Present the report to the certification committee.

Detailed procedure of the certification and requirements for the written report and oral presentation are available at:  
<http://www.eiu.edu/~tech/CertificateofComprehensiveKnowledge-Approved11-06-03.pdf>

**Elective Course Work:** Elective course work in the School of Technology includes senior-graduate and graduate courses with the prefixes of TEC, INT (Industrial Technology) COS (Career and Organizational Studies), and CTE (Career and Technical Education).

Elective course work from other academic disciplines may be included on the student's study plan with the written permission of the Graduate Coordinator or Chair, School of Technology.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, School of Technology, 1014 Klehm Hall, EIU.

### Certificate: Computer Technology

**Purpose of the Program:** The purpose of this certificate program is to provide graduate students and professionals working in industry and related organizations with course work focused on current computer technology. Key areas include data communications and

networking technology, database technology, multimedia and web technology, management of computer technology, and industrial applications of computer technology.

**Eligibility and Admission Requirements:** This certificate program is available to EIU seniors, prospective graduate students, degree candidates, and working professionals. To be eligible for admission, applicants must meet the requirements established by the Graduate School which include verification of completion of a baccalaureate degree from an accredited institution approved by Eastern Illinois University and documentation of a minimum undergraduate cumulative grade point average of 2.75 on a 4.0 scale, or a 2.75 GPA on the last 60 hours of graded academic course work. EIU seniors enrolled under the "Reserve Graduate Credit" option will be required to meet the standard admission requirements to be admitted to the certificate program after completion of the baccalaureate degree. Meeting requirements to take courses under the reserve graduate credit option does not guarantee admission to the certificate program.

**Course/Curriculum Requirements:** The School of Technology Certificate in Computer Technology requires 18 semester hours of study including both required and elective courses. Specific requirements are as follows:

Required Courses - 12 semester hours of required course work are listed below. The remaining 6 semester hours are electives that may be selected from the list below.

TEC 5313	Networking and Advanced Data Communications ...	3 s.h.
TEC 5323	Advanced Database Technology .....	3 s.h.
TEC 5333	Management of Computer Technology .....	3 s.h.
TEC 5343	Multimedia and Web Technology .....	3 s.h.
Electives .....		6 s.h.
Total .....		18 s.h.

Elective Courses - 6 semester hours from the following list:

INT 4813	Advanced Digital Media Technologies .....	3 s.h.
INT 4970	Special Topics in Technology	
	Data Acquisition .....	3 s.h.
	PLC and Robotics .....	3 s.h.
	Advanced 3D Modeling .....	3 s.h.
TEC 5223	Instructional Technology .....	3 s.h.
TEC 5513	Advanced Computer Integrated Manufacturing .....	3 s.h.
TEC 5523	Industrial Systems Simulation .....	3 s.h.
TEC 5970	Special Topics in Technology	
	Data Acquisition and Data Communication .....	3 s.h.
	Automatic Identifications .....	3 s.h.
	Microcomputer Interfacing and Control Systems .....	3 s.h.
	Microcomputer Interfacing and Data Acquisition .....	3 s.h.

Other special topics COS 4850, INT 4970 and TEC 5970 courses as approved by the academic advisor.

### Courses Applicable Toward A Specific Concurrent or Future Degree Program:

Upon approval from the graduate coordinator, all course credits completed for the certificate program may be applied to the Master of Science in Technology program at Eastern Illinois University. All graduate courses applied to the certificate or degree program must be completed within the six-year time limit. All other regulations established by the Graduate School pertaining to degree study would be applicable to the courses for concurrent or future degree program.

**Certificate Study Plan:** A final certificate study plan must be approved by the candidate's academic advisor and be filed with the Graduate School no later than the 10th day of classes during the candidates' final semester of study.

### Certificate: Quality Systems

**Purpose of the Program:** The purpose of this graduate certificate program is to provide graduate students and professionals working in industry and business with focused course work leading to improvement in the quality of products and services to help companies become more competitive in the global market.

**Eligibility and Admission Requirements:** This certificate program is available to EIU seniors, prospective graduate students, degree candidates, and working professionals. To be eligible for admission, applicants must meet the requirements established by the Graduate School, which include verification of completion of a baccalaureate degree from an accredited institution approved by Eastern Illinois University and documentation of a minimum undergraduate cumulative grade point average of 2.75 on a 4.0 scale or a 2.75 GPA on the last 60 hours of graded academic course work. EIU seniors may enroll for courses under the "Reserve Graduate Credit" option; but will be required to meet the standard admission requirements to be admitted to the certificate program after completion of the baccalaureate degree. Meeting the requirements to take courses under the reserve graduate credit option does not guarantee admission to the certificate program.

**Course/Curriculum Requirements:** The School of Technology Certificate in Quality Systems requires 18 semester hours of study including both required and elective courses. The specific requirements are as follows:

Required Courses - 12 semester hours of required course work are listed below. The remaining 6 semester hours are electives that may be selected from the list below.

INT 4843	Statistical Quality Assurance .....	3 s.h.
TEC 5133	Total Quality Systems .....	3 s.h.
TEC 5243	Design for Quality .....	3 s.h.
TEC 5103	Science and Technology of Leadership .....	3 s.h.
Electives .....		6 s.h.
Total .....		18 s.h.

Elective Courses - 6 semester hours from the following list:

COS 4840	Training Program Development .....	3 s.h.
COS 4850	Special Topics in Career and Organizational Studies	
	Productive Work Teams .....	3 s.h.
	Quality Processes in the Workplace .....	3 s.h.
INT 4943	Manufacturing Management .....	3 s.h.
TEC 5123	Industrial Productivity Analysis .....	3 s.h.
TEC 5213	Work Performance Technology .....	3 s.h.
TEC 5233	Training Systems Management .....	3 s.h.
TEC 5513	Advanced Computer Integrated Manufacturing .....	3 s.h.
TEC 5523	Industrial Systems Simulation .....	3 s.h.
TEC 5603	Advanced Manufacturing Management .....	3 s.h.
TEC 5970	Special Topics in Technology	
	Materials Testing and Inspection .....	3 s.h.
	Problem Solving for Manufacturing .....	3 s.h.
	ISO 9000 .....	2 s.h.
	Reliability Engineering .....	1 to 3 s.h.

Other special topics COS 4850, INT 4970, and TEC 5970 courses as approved by the academic advisor.

### Courses Applicable Toward A Specific Concurrent or Future Degree Program:

Upon approval from the graduate coordinator, all graduate-level course credits completed for the certificate program may be applied to the Master of Science in Technology program at Eastern Illinois University. All graduate courses applied to the certificate or degree program must be completed within the six-year time limit. All other regulations established by the Graduate School pertaining to degree study will be applicable to the courses for concurrent or future degree program.

**Certificate Study Plan:** A certificate study plan must be approved by the candidate's academic advisor and be filed with the Graduate School no later than the 10th day of classes during the candidate's final semester of study.

### Certificate: Work Performance Improvement

**Purpose of the Program:** The purpose of the graduate certificate program in Work Performance Improvement is to meet the needs of graduate students as well as training and development practitioners to have their educational preparation in the field of human performance improvement officially endorsed. There exists a body of course work in the Master of Science in Technology that meets

this need. The Certificate in Work Performance Improvement will demonstrate that recipients possess the knowledge and skills needed for performance consulting and training. It will also make them more marketable to potential future employers.

**Eligibility and Admission Requirements:** This certificate program is available to EIU seniors, prospective graduate students, degree candidates, and working professionals. To be eligible for admission, applicants must meet the requirements established by the Graduate School which include verification of completion of a baccalaureate degree from an accredited institution approved by Eastern Illinois University and documentation of a minimum undergraduate cumulative grade point average of 2.75 on a 4.0 scale or a 2.75 GPA on the last 60 hours of graded academic course work. EIU seniors may enroll for courses under the "Reserve Graduate Credit" option but will be required to meet the standard admission requirements to be admitted to the certificate program after completion of the baccalaureate degree. Meeting the requirements to take courses under the reserve graduate credit option does not guarantee admission to the certificate program.

**Course/Curriculum Requirements:** The School of Technology Certificate in Work Performance Improvement requires 18 semester hours of study including both required and elective courses. The specific requirements are as follows:

Required Courses - 12 semester hours of required course work are listed below. The remaining 6 semester hours are electives that may be selected from the list below.

COS 4840	Training Program Development .....	3 s.h.
TEC 5103	Science and Technology of Leadership .....	3 s.h.
TEC 5213	Work Performance Technology .....	3 s.h.
TEC 5223	Instructional Technology .....	3 s.h.
Electives .....		6 s.h.
Total .....		18 s.h.

Elective Courses - 6 semester hours from the following list:

COS 4820	Sociotechnical Design .....	3 s.h.
COS 4850	Special Topics in Career and Organizational Studies	
	Facilitation Dynamics .....	3 s.h.
	Critical Thinking in the Work Place .....	3 s.h.
	Productive Workteams .....	3 s.h.
	Ethic Decision Making .....	1 s.h.
	Conflict Management .....	1 s.h.
TEC 5090	Seminar in Occupational Education .....	3 s.h.
TEC 5203	Trends and Issues in Training and	
	Development .....	3 s.h.
TEC 5233	Training Systems Management .....	3 s.h.
TEC 5443	Assessment and Evaluation in Workforce	
	Preparation .....	3 s.h.

Other special topics COS 4850, INT 4970, and TEC 5970 courses as approved by the academic advisor.

### Courses Applicable Toward A Specific Concurrent or Future Degree Program:

Upon approval from the graduate coordinator, all course credits completed for the certificate program may be applied to the Master of Science in Technology program at Eastern Illinois University. All courses applied to the certificate or degree program must be completed within the six-year time limit. All other regulations established by the Graduate School pertaining to degree study will be applicable to the courses for concurrent or future degree program.

**Certificate Study Plan:** A certificate study plan must be approved by the candidate's academic advisor and be filed with the Graduate School no later than the 10th day of classes during the candidate's final semester of study.

## GRADUATE DEGREE PROGRAMS COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES

Charles Rohn, Ph.D., Dean  
Douglas Bower, Ph.D., Associate Dean

### Master of Science in Education and Master of Science Degrees

#### COUNSELING AND STUDENT DEVELOPMENT

**Degree: Master of Science**  
**Major: College Student Affairs**

Richard Roberts, Ph.D., Coordinator of Graduate Studies for all Programs in Counseling and Student Development  
Phone: 217-581-2400  
Web Page: <http://www.eiu.edu/~eiuicd>

#### Graduate Faculty of All Programs in Counseling and Student Development

Richard Roberts, Ph.D., Department Chairperson  
Conn, S.; Eberly, C.; Farber, N.; Kayser, L.; Larson, H.; Leitschuh, G.; Powell, B.; Roberts, R.; Wallace, J.

**Program Mission:** The mission of the M.S. in College Student Affairs is to provide a dynamic curriculum for students interested in leadership careers in the field of student affairs in higher education. The program provides a strong foundation for knowledge and skills development needed for effective administration, efficient use of technology, and humanistic support of undergraduate and graduate education. Upon completion of the program, students will be prepared for entry and mid-level student affairs positions in post-secondary public and private education as well as state and federal agencies. Some students also decide to pursue additional studies in Ph.D. programs and other terminal degrees.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, students must:

- Complete and submit the departmental admission application;
- Submit two departmental recommendation forms from individuals familiar with the applicant's academic or work performance;
- Attend a pre-admission orientation and interview; and
- Obtain a graduate assistant appointment.\*
- Additionally, the successful applicant must demonstrate strong study skills, experience working with groups, evidence of leadership abilities, and commitment and desire to have a career as a student affairs professional.

\*All students admitted to the CSA degree program are required to have either a graduate assistantship or submit evidence of fulltime employment in an institution of higher education or closely related educational organization.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the student's advisor prior to the completion of 12 semester hours of graduate credits which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master of science degree by the Graduate School (see "Requirements for the Master of Science Degree"). The courses for the Master of Science in College Student Affairs must total a minimum of 48 semester hours. The plan, therefore, requires that the student complete the following courses identified below:

**Curriculum for the Master of Science in College Student Affairs**  
Required Courses:  
CSD 5400 Special Topics in Higher Education Admin.....3 s.h.  
CSD 5500 Research Methods .....3 s.h.

CSD 5710 Leadership and Administration in Higher Education .....	3 s.h.
CSD 5715 Individual & Group Intervention in Student Affairs.....	3 s.h.
CSD 5720 Student Development Theory.....	3 s.h.
CSD 5730* History and Philosophy of Higher Education .....	3 s.h.
CSD 5735 Multicultural Competence in Student Affairs .....	3 s.h.
CSD 5740 Consultation Skills and Organizational Development .....	3 s.h.
CSD 5750 Governance and Finance in Higher Education .....	3 s.h.
CSD 5760 Legal Issues in Student Affairs .....	3 s.h.
CSD 5880 Internship in Student Affairs .....	3 s.h.
CSD 5950 Thesis .....	6 s.h.
Electives .....	6 s.h.
Total.....	48 s.h.

\*Cross referenced as EDF 5730

All students are required to write a thesis prior to completion of the graduate degree.

**Graduate Assistantship:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Counseling and Student Development, Room 2102, Buzzard Hall, EIU.

**Degree: Master of Science**  
**Major: Counseling**  
**Concentrations: Community Counseling**  
**School Counseling**

**Program Mission:** The M.S. in Counseling provides dynamic curricula for students interested in obtaining certification as School counselors or licensure as Licensed Professional Counselors (LPC) and Licensed Clinical Professional Counselors (LCPC). Students choose a concentration either in Community or School Counseling, both fully accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). These concentrations lead to a terminal degree and prepare students for employment either as School Counselors within K-12 school systems or as Community Counselors within mental health agencies, health care facilities, employee assistance programs (EAP), or human service agencies. Students who complete the program are eligible to pursue Ph.D./Ed.D. studies in Counselor Education, Counseling Psychology, Clinical Psychology, and other related fields or to pursue specialized training in Marriage and Family Counseling, Play Therapy, or Private Practice.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, students must:

- Submit official scores from the Graduate Record Examination (GRE) to the Graduate School;
- Complete and submit the departmental admission application;
- Submit two departmental recommendation forms from individuals familiar with applicant's academic or work performance. (The department prefers academic reference if possible.)
- Deadline for submitting materials: March 1<sup>st</sup>;
- Based on application material supplied by departmental deadline, applicants will be screened to determine those who are invited to attend a Pre-Admission/Orientation Interview. Students to be admitted will be chosen from this invited group. If you are not selected for an interview, you may request your file to be held for next year's review.

**Admission requirements for Post Master's students seeking alternative certification as a School Counselor:** Post Master's students seeking alternative certification as a School Counselor are required to request a transcript analysis by the department and meet admission requirements listed above.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the student's advisor prior to the completion of 12 semester hours of graduate credits which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master of science degree by the Graduate School (see "Requirements for the Master of Science Degree"). The courses for the Master of Science in Counseling must total a minimum of 48 semester hours. The plan, therefore, requires that the student complete the following courses identified below:

#### Curriculum for Concentration in School Counseling

Required Courses:	
CSD 5500 Research Methods.....	3 s.h.
CSD 5510 Professional Orientation.....	3 s.h.
CSD 5520 Theories of Counseling .....	3 s.h.
CSD 5530 Pre-Practicum.....	3 s.h.
CSD 5600 Cross-Cultural Counseling .....	3 s.h.
CSD 5610 Human Development for Counselors .....	3 s.h.
CSD 5620 Group Counseling.....	3 s.h.
CSD 5630 Practicum .....	3 s.h.
CSD 5900 Appraisal .....	3 s.h.
CSD 5920 Career Counseling.....	3 s.h.
CSD 5940 Foundations of School Counseling.....	3 s.h.
CSD 5945 Management of School Counseling Programs .....	3 s.h.
CSD 6920* School Counseling Internship .....	6 s.h.
Electives .....	6 s.h.
Total .....	48 s.h.

\*CSD 6920 must be taken for 3 semester hours for two consecutive semesters for a total of 6 semester hours.

All students are required to complete a final examination or write a thesis prior to completion of the graduate degree.

#### Curriculum for Concentration in School Counseling without Teacher Certification

For students accepted into the School Counseling program who are not certified as a teacher, the following additional courses are required: (Note: These courses cannot be counted as electives.)  
SPE 2000 Disabilities in the Context of Education and the Life Span .....2 s.h.  
EDF 5500 Curriculum Development.....3 s.h.  
EDF 5510 Social Foundations for Educational Practice.....3 s.h.  
In addition to the coursework, these students are required to submit to a criminal background investigation and obtain a passing score on the Illinois Test of Basic Skills prior to Practicum (for post master's students seeking alternative certification, these items are due prior to Internship.) The criminal background investigation is conducted by the Department of Human Resources and the College of Education and Professional Studies. Students are responsible for the cost of these background investigations.

#### Curriculum for the Concentration in Community Counseling

Required Courses:	
CSD 5500 Research Methods.....	3 s.h.
CSD 5510 Professional Orientation.....	3 s.h.
CSD 5520 Theories of Counseling .....	3 s.h.
CSD 5530 Pre-Practicum.....	3 s.h.
CSD 5600 Cross-Cultural Counseling .....	3 s.h.
CSD 5610 Human Development for Counselors .....	3 s.h.
CSD 5620 Group Counseling.....	3 s.h.
CSD 5630 Practicum .....	3 s.h.
CSD 5900 Appraisal .....	3 s.h.
CSD 5920 Career Counseling.....	3 s.h.
CSD 5930 Foundations of Community Counseling.....	3 s.h.
CSD 5960 Family Counseling .....	3 s.h.
CSD 5970 Counseling the Chemically Dependent .....	3 s.h.

CSD 5980* Clinical Diagnosis and Treatment Planning .....	3 s.h.
CSD 6900** Internship .....	6 s.h.
Total .....	48 s.h.

\* Abnormal Psychology must have been completed within five years of taking this course

\*\* CSD 6900 must be taken for 3 semester hours for two consecutive semesters for a total of 6 semester hours.

All students are required to complete a final comprehensive examination or write a thesis prior to completion of the graduate degree.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Counseling and Student Development, Room 2102, Buzzard Hall, EIU.

## EARLY CHILDHOOD, ELEMENTARY, and MIDDLE LEVEL EDUCATION

**Degree: Master of Science in Education**  
**Major: Elementary Education**

Merribeth Bruning, Ed.D., Coordinator of Graduate Studies in Elementary Education  
Phone: 217-581-5728  
Web Page: <http://www.eiu.edu/~eemedu/>

#### Graduate Faculty:

Merribeth Bruning, Ed.D., Department Chairperson  
Barbour, J.; Bennett, T.; Bruning, M.; Fero, M.; Lisowski, M.; Lockart, G.; NeSmith, R.; Pearson, M.; Reven, L.; Schroeder, L.; Stephen, V.

**Program Mission:** The purpose of this program of advanced studies is to further the professional abilities and scholarly preparation of teachers at levels ranging from preschool through junior high school/middle level. The preparation of master teachers for classroom teaching and for other positions of leadership in preschools, elementary, and middle school education is among the department's highest goals.

**Accreditation:** National Council for Accreditation of Teacher Education and North Central Association.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs")

**Study Plan Approval:** The study plan shall be approved by the department and filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master of science in education degree by the Graduate School (see "Requirements for the Master of Science in Education Degree"). Additional requirements include a minimum of 12 semester hours from EIU Elementary Education and Middle Level Education courses, and a comprehensive oral exam in the final term. Evening classes, off-campus classes, summer sessions and independent study arrangements are offered, permitting students to pursue graduate degrees while meeting other personal and professional commitments.

The course of study consists of 30 semester hours of course credit with a thesis requirement, or 32 semester hours for programs without a thesis. The program is designed to encompass three areas: basic courses in education (these courses provide a

background in fundamental educational theory), specific requirements in elementary education and special interest areas.

The program is devoted to the field of elementary education with opportunities for study in special interest areas such as early childhood education, elementary curriculum, middle level education, and reading. Students may choose courses according to individual needs, professional interests, and teaching level. Courses in reading may be selected which will fulfill the Illinois certification requirements for reading specialists and meet the standards of the International Reading Association.

**Program of Studies:** The program of studies for candidates in a non-thesis option requires minimally 32 semester hours of course work. The curriculum of study includes basic education courses, specific requirement courses and special interest area courses.

#### Curriculum for the Master of Science in Education in Elementary Education Non-Thesis Option

Basic Education Courses	
Selected from the list below	8-9 s.h.
Specific Requirements in Elementary Education	
ELE 5000 Introduction to Research in ELE	3 s.h.
ELE 5260 Advanced Developmental Reading	3 s.h.
Two Additional Specific Requirements	
Selected from the List Below	6 s.h.
Special Interest Area Courses or Approved Electives	
Selected from the List Below	12 s.h.
Total	32 to 33 s.h.

The program of studies for candidates in the thesis option requires minimally 30 semester hours of course work in addition to thesis hours for the degree. A minimum of 21 to 22 semester hours must be chosen in a combination of specific and special interest area courses.

#### Curriculum for the Master of Science in Education in Elementary Education Thesis Option

Basic Education Courses	
Selected from the List Below	8-9 s.h.
Specific Requirements in Elementary Education	
ELE 5000 Introduction to Research in ELE	3 s.h.
ELE 5260 Advanced Developmental Reading	3 s.h.
Two Additional Specific Requirements	
Selected from the List Below	6 s.h.
Special Interest Area Courses or Approved Electives	
Selected from the List Below	9-10 s.h.
Thesis	3-6 s.h.
Total with Thesis	33 to 36 s.h.

#### **Basic Education Courses:**

The 8 to 9 semester hours of basic education courses may be selected from the list that follows:

EDF 5500 Curriculum Development	3 s.h.
EDF 5510 Social Foundations for Educational Practice	3 s.h.
EDF 5530 Philosophy for Educational Practice OR	
EDF 5535 Philosophy for Education: Clinical	2 s.h.
EDF 5540 History for Educational Practice	2 s.h.
EDF 5550 Comparative and International Education	3 s.h.
EDP 5300 Psychological Foundations for Educational Practice	3 s.h.

#### **Specific Requirements Courses:**

The two additional specific requirements courses may be selected from the list that follows:

ELE 5640 Teaching and Supervision of Social Studies in Elementary Schools	3 s.h.
ELE 5650 Language Arts in the Elementary School	3 s.h.
ELE 5660 Science Curriculum in the Elementary School	3 s.h.
MAT 5400 The Teaching of Mathematics in Grades K-6	3 s.h.

#### **Special Interest Area Courses:**

The special interest area courses are selected from one of the special interest areas. Candidates may substitute approved electives for special interest area courses. Candidates are advised to consult with the coordinator of graduate studies regarding selection of electives.

#### **Early Childhood Education:**

ELE 4770 Methods and Curriculum in the Primary Grades	3 s.h.
ELE 4775 Language and Language Arts in Early Childhood	3 s.h.
ELE 4776 Early Childhood Education: History/Philosophy	3 s.h.
FCS 4854 Parent-Child Study and Community Involvement	3 s.h.

#### **Elementary Curriculum:**

ELE 5640 Teaching and Supervision of Social Studies in Elementary Schools	3 s.h.
ELE 5650 Language Arts in the Elementary School	3 s.h.
ELE 5660 Science Curriculum in the Elementary School	3 s.h.
MAT 5400 The Teaching of Mathematics in Grades K-6	3 s.h.

#### **Middle Level Education:**

MLE 4760 Student Social-Emotional Development in the Middle Grades	3 s.h.
MLE 4781/4782/4783 Topics in Junior High/Middle School Education	3 s.h.
MLE 5110 Principles and Procedures in the Middle Level School	3 s.h.
MLE 5150 Interdisciplinary Curriculum in the Middle Level School	3 s.h.

#### **Reading:**

ELE 5600 Diagnosis of Reading Problems	3 s.h.
ELE 5610 Remediation of Reading Problems	3 s.h.
ELE 5620 Remedial Reading Practicum	3 s.h.
ELE 5650 Language Arts in Elementary School	3 s.h.

Related courses from other departments may also be approved.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Early Childhood, Elementary, and Middle Level Education, Buzzard Hall 2220, EIU.

## EDUCATIONAL ADMINISTRATION

Nick Osborne, Ph.D., Coordinator of Graduate Studies for the Master of Science in Education and Specialist in Education Degree in Educational Administration

Phone: 217-581-2919

Web Page: <http://www.eiu.edu/~edadmin>

#### **Graduate Faculty/All Educational Administration Programs**

Nick Osborne, Ph.D., Department Chairperson  
Bartz, D.; Berg, R.; Findley, B.; Morford, L.; Osborne, N.

**Accreditation:** Both the Master of Science in Education and the Specialist in Education Degree are accredited by the National Council for Accreditation of Teacher Education and the North Central Association.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Degree and Certificate Programs"). In addition, applicants must demonstrate a focus of interest in school administration. This focus can be documented through the submission of one of the following documents:

- Master's Degree- A valid teaching certificate.
- Specialist's Degree- A principal's certificate.
- Master's Degree- Documentation of admission to and continuing participation in a teacher certification program.
- Specialist's Degree- Document of admission to and continuing participation in a principal certification program.
- Both degrees- Documentation of employment in an administrative position at the community college or university and a statement of career goals emphasizing educational administration.

Extenuating circumstances may be appealed to the Department Faculty for consideration.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Educational Administration, Buzzard Hall 2320, EIU.

## Degree: Master of Science in Education Major: Educational Administration

**Master of Science in Education Program Mission:** The Department of Educational Administration offers a Master of Science in Educational Administration. Degree completion meets the course requirements necessary for Illinois General Administration Endorsement. This endorsement is required for the following positions: principal, assistant principal, assistant or associate superintendent, and other similar or related positions. Many courses are offered at night and weekends on-campus and at off-campus locations via the School of Continuing Education.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the graduate coordinator prior to the completion of the graduate degree. A maximum of 11 semester hours may be considered for transfer credit. Students seeking any variation from this transfer policy must seek approval through the Graduate School waiver and appeals process.

**Degree Requirements:** Degree requirements include those outlined for the master of science in education degree by the Graduate School (see "Requirements for the Master of Science in Education Degree"). Additional requirements are:

#### Curriculum for the Master of Science in Education in Educational Administration

Foundations Courses:	
EDF 5500 Curriculum Development	3 s.h.
EDP 5300 Psychological Foundations for Educational Practice	3 s.h.

#### **Core Courses:**

EDA 5410 School Law	4 s.h.
EDA 5420 School-Community Relations	2 s.h.
EDA 5600 Introduction to Organization & Administration	3 s.h.
EDA 5630 Administration & Supervision of the Elementary School OR	
EDA 5640 Administration & Supervision of the Secondary School	4 s.h.
EDA 5700 Supervision of Instruction	2 s.h.
EDA 5870 Personnel Administration	3 s.h.
EDA 5960 Data Management in Educational Administration	4 s.h.
EDA 5890 Practicum in School Leadership	4 s.h.
EDA 5900 Introduction to Research in Education	2 s.h.
Electives	2-3 s.h.
Total	36 or 37 s.h.

Elective courses may be selected from the following list. Candidates must complete minimally 2 semester hours of electives.

EDF 5510 Social Foundations for Educational Practice	3 s.h.
EDF 5530 Philosophy for Educational Practice OR	
EDF 5535 Philosophy of Education: Clinical	2 s.h.
EDF 5540 History for Educational Practice	2 s.h.
EDF 5550 Comparative and International Education	3 s.h.

**Time Limit:** All requirements for the degree must be completed within the six-year time limit.

## Degree: Specialist in Education Major: Educational Administration

**Specialist in Education Degree Mission:** The mission of the Specialist in Education in Educational Administration is to provide more advanced and intensive graduate study of educational administration. Degree completion meets the course requirements necessary for Illinois Superintendent Endorsement. This endorsement is required for superintendents of school districts. Many courses are offered at night and weekends on-campus and at off-campus locations via the School of Continuing Education. Students should notify the department if they presently possess a Type 75 Illinois General Administrative Certification. A copy of the certification should be sent to the department chairperson.

**Study Plan Approval:** After attaining degree status as a graduate student, the student in consultation with the advisor will develop a study plan. The study plan shall be approved by the department

and filed with the graduate coordinator. Approval of the study plan for the specialist's degree should come ordinarily at the completion of 32-33 semester hours of the program. A maximum of 11 semester hours may be considered for transfer credit. Students seeking any variation from this transfer policy must seek approval through the Graduate School waiver and appeals process. Approval of the study plan must come at or before the completion of 50 semester hours and is subject to the following conditions:

- The student must complete the requirements ordinarily fulfilled by earning the master's degree. Formal receipt of the master's degree is left to the discretion of the student.
- The plan must contain a proposed program of studies totaling at least 64 semester hours selected in accordance with the program of studies for the specialist's degree.
- If a master's degree was completed independent of the specialist's program, the courses taken for the degree will be evaluated. There is no assurance that all credit hours will automatically count toward the specialist's degree.
- A minimum of 22 of the final 33 hours must be credit earned from Eastern Illinois University.
- Any subsequent changes in the study plan must first be approved by the academic department and then submitted for final approval to the Graduate School. (The academic department is expected to approve only changes which are consistent with the total study plan.)

**Degree Requirements:** Degree requirements include those outlined for the specialist's degree by the Graduate School (see "Requirements for the Specialist's Degree"). In addition, the courses proposed in the candidate's program for the specialist's degree must total 64 semester hours beyond the baccalaureate degree. Ordinarily, in the first 30 to 33 semester hours, the student will complete the requirements for the master's degree although it is not required that the master's degree be completed within the first half of the total program. The endorsement for certification as a school superintendent requires those courses required for the General Administrative endorsement plus the following courses and requirements:

#### **Descriptions:**

EDA 6200 Evaluating Student Achievement	4 s.h.
EDA 6600 Organizational Development in Educational Administration	4 s.h.
EDA 6650 The Superintendent of Schools	4 s.h.
EDA 6700 Planning & Evaluation of Instructional Programs	3 s.h.
EDA 6800 Current Issues in Educational Administration	4 s.h.
EDA 6810 Seminar: School Operations & the Law	2 s.h.
EDA 6850 School Plant Planning	2 s.h.
EDA 6860 School Finance	3 s.h.
EDA 6870 Professional Negotiation-Collective Bargaining in Education	3 s.h.
EDA 6910 Field Experience in Administration	4 s.h.
Total	33 s.h.

**Field Experience:** A field experience is required of each specialist candidate. Throughout the field experience, students are required to submit to their university supervisor documentation of the following requirements resulting in the creation of a professional portfolio.

- Students are required as part of the field experience to complete 120 hours of administrative experiences at the district level. Students will maintain a typed log for each week of all field experience activities, which is to be certified by the host administrator and submitted to the university supervisor.
- Students are required to complete at least 20 administrative activities at the district level. Activities may be selected from the list provided in the course syllabus or tailored to meet the needs of the district (with prior approval). Written reports that summarize, analyze, and include student reflection on the activity are prepared by the student and mailed with supporting documentation to the university supervisor.
- Students are required to select three of the five Interstate School Leaders Licensure Consortium (ISLLC) Standards and develop a project for each of the three selected standards. Each project will: demonstrate the student's knowledge and skills in the selected areas; fulfill a need for the school district and for the

student's professional development; result in a document submitted to the university supervisor for a grade.

**Comprehensive Project:** The candidate for the Specialist in Education Degree must successfully complete a final comprehensive written project. The project is presented to the department and departmental certification of successful completion of the project must be filed in the Graduate School at least one week prior to the graduation date.

**Time Limit:** A minimum of 32 semester hours of new course work is required for the specialist's degree and must be completed within the six-year time limit.

## PHYSICAL EDUCATION

**Degree: Master of Science**  
**Major: Physical Education**

Scott A.G.M. Crawford, Ph.D., Coordinator of Graduate Studies in Physical Education  
Phone: 217-581-2215  
Web Page: <http://www.eiu.edu/~ped/>

### Graduate Faculty:

Phoebe Church, Ph.D., Department Chairperson  
Ankenbrand, L.; Church, P.; Crawford, S.; Croisant, P.; Doyle, R.; Emmett, J.; Fischer, R.; Hussey, K.; Oliver, J.; Owen, J.; Pritschet, B.; Wolf, D.; Woodall, T.

**Program Mission:** Students may pursue a general program and select courses in various scientific areas, teaching and coaching theory, curriculum, or administration. Students interested in sports administration may take courses which will help prepare them for administration within the broad spectrum of sports in schools, recreation, professional sports, or commercial programs. Students interested in adult fitness and cardiac rehabilitation may select course work preparing them for employment in industrial employee fitness, hospitals, YMCA, YWCA, health clubs, etc. These courses will aid students in preparation for American College of Sports Medicine (ACSM) certification examinations.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Additional requirements include an undergraduate major in physical education and three letters of recommendation; a personal interview is strongly recommended. Admission is competitive and meeting minimum GPA requirements does not guarantee admission. (If the student has not had the following courses, he/she must take PED 2440, 4340, and 4470).

**Study Plan Approval:** The study plan shall be approved by the department and filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

### Curriculum for the Master of Science in Physical Education

**Core Courses:**  
PED 5000 Research Methods in HPER ..... 3 s.h.  
PED 5001 Analysis & Interpretation of Statistical Data in HPER ..... 2 s.h.  
PED 5901 Seminar in Health, Physical Education, Recreation, and Sports ..... 1 s.h.  
**Major Field Courses**  
Selected from the List Below ..... 17 to 24 s.h.  
Electives (Advisor Approval Required) ..... 0 to 9 s.h.  
Total ..... 30-32 s.h.  
Major fields of study may be selected from one of the three areas that follow:

### Exercise Science Field of Study:

PED 4900 Special Topics in Exercise Physiology ..... 1 s.h.  
PED 5125 Stress Management for Exercise and Health Specialists ..... 3 s.h.  
PED 5220 Organization and Administration of Physical Fitness and Cardiac Rehabilitation ..... 2 s.h.  
PED 5225 Physical Activity and Aging ..... 3 s.h.  
PED 5230 Physiology of Exercise ..... 3 s.h.  
PED 5250 Exercise Electrocardiography ..... 3 s.h.  
PED 5450 Supervisory Experiences in Adult Fitness ..... 3 s.h.  
PED 5640 Graded Exercise Testing and Exercise Prescription for the Healthy and the Patient ..... 3 s.h.  
PED 5655 Supervisory Experience in Cardiac Rehabilitation ..... 3 s.h.  
PED 5700 Advanced Measurement and Evaluation ..... 3 s.h.  
Students interested in additional course work in exercise science aiding in preparation for American College of Sports Medicine exams, or additional course work in sports administration, should consult with their advisor and/or the graduate coordinator.

### Sports Administration Field of Study:

PED 4760 Sport Law ..... 3 s.h.  
PED 4761 Sport Management & Administration ..... 3 s.h.  
PED 4762 Publicity in Sports ..... 3 s.h.  
PED 5200 Curriculum Development in Physical Education ..... 3 s.h.  
PED 5210 Administration of Interschool Athletics ..... 2 s.h.  
PED 5211 Promotions in Sports Administration ..... 3 s.h.  
PED 5300 Advanced Administration of Physical Education in Schools ..... 2 s.h.  
PED 5630 Philosophy of Physical Education ..... 3 s.h.  
PED 5710 Sociological Basis of Sport in America ..... 3 s.h.  
PED 5720 Sport, Film and Culture ..... 3 s.h.  
PED 5800 Analytical Readings in Health ..... 3 s.h.

### Teaching/Coaching Field of Study:

PED 4760 Sport Law ..... 3 s.h.  
PED 4761 Sport Management & Administration ..... 3 s.h.  
PED 4762 Publicity in Sports ..... 3 s.h.  
PED 5120 Social Psychology and Physical Activity ..... 3 s.h.  
PED 5125 Stress Management and Administration ..... 3 s.h.  
PED 5140 Current Trends in the Elementary and Junior High School ..... 3 s.h.  
PED 5200 Curriculum Development in Physical Education ..... 3 s.h.  
PED 5210 Administration of Interschool Athletics ..... 2 s.h.  
PED 5211 Promotions in Sports Administration ..... 3 s.h.  
PED 5570 Analysis of Human Motion ..... 3 s.h.  
PED 5630 Philosophy of Physical Education ..... 3 s.h.  
PED 5800 Analytical Readings in Health ..... 3 s.h.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Physical Education, 2506 Lantz, EIU.

## SPECIAL EDUCATION

**Degree: Master of Science in Education**  
**Major: Special Education**

Kathlene Shank, Ph.D., Coordinator of Graduate Studies in Special Education  
Phone: 217-581-5315  
Web Page: <http://www.eiu.edu/~speced/index.html>

### Graduate Faculty:

Kathlene S. Shank, Ph.D., Department Chairperson  
Brown, M.; Cook, R.; Hooser, C.; Li, M.; Shank, K.;

**Program Mission:** The Master's of Science in Special Education is designed to prepare educational personnel for the diverse roles they will be asked to play in special education. This flexible program is designed for teachers with special education certification, teachers with regular education certification, and individuals without certification preparing for a career in special education. Individuals who desire initial or additional certifications may be required to complete additional course work.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, the student must provide the following documents:

- Official transcripts to the department and university documenting all prior course work and evidence of having earned a baccalaureate degree from an accredited institution approved by Eastern Illinois University with a cumulative undergraduate grade point average (GPA) of 2.75 on a 4.0 scale or a 2.75 GPA for the last 60 hours of graded academic coursework as defined by the Graduate School. If these standards are not met, the student may complete nine semester hours of graduate level courses in the department with a grade point average of 3.3 or higher.
- Two letters of recommendation which must address the student's potential to engage successfully in graduate study. One letter should document experience with children or adults with exceptionalities such as teaching, student teaching volunteer work, private or public agency experience.
- Official admission test scores (GRE, MAT, or GMAT).
- A written statement of future professional goals minimally one paragraph in length.
- A three-to-five page position paper, literature review, or research paper. The paper must be submitted in a format consistent with the most recent edition of the American Psychological Association Publication Manual and include a minimum of five references.

These documents will be considered as the advisor and student formulate a study plan that will include the student's professional goals, extent of experience with individuals with exceptionalities, and the students' professional writing competencies.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master of science in education degree by the Graduate School (see "Requirements for the Master of Science in Education Degree"). The program offers a thesis and non-thesis option.

### Curriculum for the Master of Science in Education in Special Education Non-Thesis Option

**Basic Education Courses:**  
Selected from the List Below ..... 8 to 9 s.h.  
**Core Courses in Special Education:**  
SPE 5900 Research in Special Education ..... 3 s.h.  
SPE 5120 Current Issues in Special Education ..... 3 s.h.  
Special Education and Elective Courses (minimum) ..... 21 to 22 s.h.  
Total ..... 36 s.h.  
Students in the non-thesis option must complete a minimum of 36 semester hours of study for the degree. A minimum of 17 semester hours of all graduate work must be in courses numbered 5000 or higher.

### Curriculum for the Master of Science in Education in Special Education Thesis Option

**Basic Education Courses:**  
Selected from the List Below ..... 8 to 9 s.h.  
**Core Courses in Special Education:**  
SPE 5900 Research in Special Education ..... 3 s.h.  
SPE 5120 Current Issues in Special Education ..... 3 s.h.  
Special Education and Elective Courses (minimum) ..... 15 to 16 s.h.  
Thesis ..... 3 to 6 s.h.  
Total ..... 33 to 36 s.h.  
Students in the thesis option must complete a minimum of 30 semester hours of study in addition to thesis hours for the degree. A minimum of 15 semester hours of all graduate work must be in courses numbered 5000 or higher.

The 8 semester hours of basic education courses may be selected from the list that follows:  
EDF 5500 Curriculum Development ..... 3 s.h.  
EDF 5510 Social Foundations for Educational Practice ..... 3 s.h.

EDF 5530 Philosophy for Educational Practice OR  
EDF 5535 Philosophy for Education: Clinical ..... 2 s.h.  
EDF 5540 History for Educational Practice ..... 2 s.h.  
EDF 5550 Comparative and International Education ..... 3 s.h.  
EDP 5300 Psychological Foundations for Educational Practice ..... 3 s.h.

The following regulations apply to both degree options:

- A minimum of 21 semester hours must be in courses in the field of special education. Students may select courses or electives from other departments with advisor approval.
- A maximum of 10 semester hours of courses numbered 4750 to 4999 may be applied to the degree.
- A maximum of six semester hours of appropriate transfer courses (graded courses earning a grade of B or better) from an accredited institution may be applied to a degree.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Special Education, 1212 Buzzard Hall, EIU.

### Other College of Education and Professional Studies Graduate Faculty Members

#### Health Studies

Bates, R.; Cavanaugh, R.; Dietz, J.; Phillips, K.; Simons, S.; Walker, B.; Woods, S.

#### Secondary Education and Foundations

Barker, D.; Butt, M.; Fewell, P.; Gong, Z.; Jagusah, O.; VanGuntun, D.

## GRADUATE DEGREE PROGRAMS COLLEGE OF SCIENCES

Mary Anne Hanner, Ph.D., Dean  
Godson Obia, Ph.D., Associate Dean

### Master of Science and Master of Arts Degrees

#### BIOLOGICAL SCIENCES

##### Degree: Master of Science

##### Major: Biological Sciences

Charles J. Costa, Ph.D., Coordinator of Graduate Studies in Biological Sciences

Phone: 217-581-3126 or 217-581-2520

Web Page: <http://www.eiu.edu/~biosciqr/>

##### Graduate Faculty:

Andrew Methven, Ph.D., Department Chairperson  
Bollinger, E.; Bulla, G.; Coons, J.; Costa, C.; Daniel, S.; Fischer, R.; Fritz, A.; Fritz, G.; Kruse, K.; Laursen, J.; Liu, Z.; Marjanovic, M.; McGaughey, J.; McGilliard, K.; Meiners, S.; Methven, A.; Miller, B.; Mullin, S.; Nathan, B.; Nelson, T.; Owen, H.; Pederson, C.; Switzer, P.; Tucker, G.

**Program Mission:** The Master of Science in Biological Sciences offers students the opportunity to pursue advanced training in many areas of modern biology. The size of the program facilitates close contact between the student and graduate faculty from the Department of Biological Sciences. Experiences provided by the graduate faculty in formal courses, research laboratories, and in diverse field situations are the basis not only for degree requirements but also for continuation of their postgraduate education and placement in a career in the biological sciences.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, applicants must file the following with the Biological Sciences Graduate Program Committee: a Biological Sciences Program Application, a statement of personal goals, and three letters of recommendation from persons familiar with the applicant's academic ability. Applicants must have an undergraduate degree in the biological sciences or a related field, at least a 2.75 GPA during the last two years of undergraduate study, and one year of inorganic chemistry. At least one course each in calculus, organic chemistry, physics, and statistics is strongly recommended. A minimum score of 1000 on the verbal and quantitative part of the GRE (General) is recommended for admission. Undergraduate course work will be used by the Biological Sciences Graduate Program Committee to diagnose academic deficiencies. Students may be required to remedy undergraduate deficiencies by taking courses which do not count toward the graduate degree.

**Study Plan Approval:** A study plan must be approved by the student's advisory committee and filed with the graduate coordinator prior to the completion of 12 semester hours of graduate credit.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). The department offers a thesis option (30 semester hours), a non-thesis option (32 semester hours), and an internship option (32 semester hours).

Students are initially assigned to the Coordinator, Biological Sciences Graduate Program Committee for academic advisement. A permanent advisor should be selected during the

first term of residence. In consultation with the advisor, the student will select at least two additional graduate faculty to serve as his or her advisory committee. Each student's program of study is designed to fit individual student needs and interests within the framework of degree requirements of the Graduate School.

Depending on the degree option pursued by the student, the following courses may be required:

BIO 5900 Research in Biological Sciences (Thesis Option).... 3-6 s.h.  
BIO 5980 Graduate Internship in Biological Sciences (Internship Option)..... 6 s.h.  
BIO 5950 Thesis (Thesis Option) ..... 3-6 s.h.  
BIO 5990 Independent Study ..... 0-3 s.h.

All students are required to enroll in BIO 5150 Seminar during their tenure in the graduate program. All students are required to successfully complete an oral comprehensive examination prior to the completion of the graduate degree.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Biological Sciences, 2070 Life Science Building, EIU.

#### CHEMISTRY

##### Degree: Master of Science

##### Major: Chemistry

Barbara Lawrence, Ph.D., Coordinator of Graduate Studies in Chemistry

Phone: 217-581-2720

Web Page: <http://www.eiu.edu/~eiuchem/gradstudies>

##### Graduate Faculty:

Douglas G. Klarup, Ph.D., Department Chairperson  
Black, H.; Blitz, J.; Furumo, N.; Keiter, E.; Keiter, R.; Klarup, D.; Lawrence, B.; Marquart, J.; McGuire, M.; Peebles, R.; Peebles, S.; Sheeran, D.; Treadwell, E.; Tremain, S.

**Program Mission:** This program provides advanced study of the major areas of chemistry, including analytical, inorganic, physical, organic, computational, and biochemical. Students gain original research experience by undertaking a thesis project. Graduates are qualified for responsible positions in industry, government and education or to enter doctoral study.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs").

**Study Plan Approval:** The study plan must be approved by the department and filed with the departmental graduate coordinator prior to completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the Master's Degree by the Graduate School (see "Requirements for the Master's Degree").

Courses chosen from:  
CHM 4760 Advanced Metabolism ..... 3 s.h.

CHM 4765 Biochemistry Laboratory.....	2 s.h.
CHM 4770 Molecular Spectroscopy.....	3 s.h.
CHM 4790 Medicinal Chemistry.....	3 s.h.
CHM 4800 Selected Topics in Chemistry.....	1-3 s.h.
CHM 4860 Biochemistry III.....	3 s.h.
CHM 4900 Inorganic Chemistry II.....	3 s.h.
CHM 4905 Inorganic Chemistry Laboratory.....	2 s.h.
CHM 5100 Advanced Analytical Chemistry.....	3 s.h.
CHM 5120 Theoretical Inorganic Chemistry I.....	3 s.h.
CHM 5200 Chemical Thermodynamics.....	3 s.h.
CHM 5250 Special Topics.....	3 s.h.
CHM 5300 Molecular Spectroscopy.....	3 s.h.
CHM 5350 Organometallic Chemistry.....	3 s.h.
CHM 5400 Physical Organic Chemistry.....	3 s.h.
CHM 5410 Organic Mechanisms and Synthesis.....	3 s.h.
CHM 5460 Advanced Biochemistry.....	3 s.h.
Courses in Chemistry.....	12-21 s.h.
Courses in Physics, Mathematics, Botany or Zoology (as approved by student's committee).....	6 s.h.
CHM 5890 Graduate Research.....	5-7 s.h.
CHM 5000 Graduate Seminar I (Audit).....	Audit
CHM 5001 Graduate Seminar II.....	1 s.h.
CHM 5002 Intro to Graduate Chemical Research.....	1 s.h.
CHM 5950 Thesis.....	3 s.h.
Total.....	30 s.h.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Chemistry, 314 Physical Science Building, EIU.

#### COMMUNICATION DISORDERS AND SCIENCES

##### Degree: Master of Science

##### Major: Communication Disorders and Sciences

Brenda Wilson, Ph.D., Coordinator of Graduate Studies in Communication Disorders and Sciences

Phone: 217-581-2712

Web Page: <http://www.eiu.edu/~commdis/programs.html>

##### Graduate Faculty:

Gall J. Richard, Ph.D., Department Chairperson  
Becker, T.; Calvert, L.; Chambers, P.; Dell, C.; Fahy, J.; Harned, S.; Goldacker, F.; Richard, G.; Smitley, J.; Throneburg, R.; Wilkerson, L.; Wilson, B.

**Program Mission:** With an appropriate undergraduate major in communication disorders and sciences, this program meets the requirements for the Certificate of Clinical Competence awarded by the American Speech-Language-Hearing Association, and the Speech-Language Pathologist License awarded by the Illinois Department of Professional Regulation, and the Type 73 School Service Personnel Certificate awarded by the Illinois State Board of Education.

**Accreditation:** Council on Academic Accreditation of the American Speech-Language-Hearing Association in the area of speech-language pathology.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Applicants must provide a documented score of the General Test of the Graduate Record Exam. In addition, students must have at least a 3.00 grade point average (A=4.0) in the undergraduate communication disorders and sciences major for admission consideration to the graduate program at Eastern Illinois University. Admission is competitive and meeting minimum GPA requirements does not guarantee admission. Admission is determined by a graduate faculty committee. The committee considers all applications, including

transfers from other four-year colleges and universities. With department chair consultation and approval, students may enroll for some courses on a non-degree basis. Students who have a baccalaureate degree in a major other than CDS must complete all 2000 level CDS courses and CDS 3100, 3200, 3300 and 3700 or their equivalents prior to being considered for admission to the CDS graduate program.

**Study Plan Approval:** The study plan shall be filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree").

##### Curriculum for Master of Science in Communication Disorders & Sciences Non-Thesis Option

CDS 5000 Research Methods.....	3 s.h.
CDS 5100 Motor Speech Disorders.....	3 s.h.
CDS 5150 Stuttering.....	3 s.h.
CDS 5200 Developmental Syndrome Disorders.....	3 s.h.
CDS 5250 Advanced Study in Language Disorders.....	2 s.h.
CDS 5300 Acquired Language Disorders.....	3 s.h.
CDS 5350 Cognitive Communication Disorders.....	2 s.h.
CDS 5400* Special Topics.....	6 s.h.
CDS 5500 Dysphagia Management in Children and Adults.....	3 s.h.
CDS 5600 Professional Regulations and Issues.....	3 s.h.
CDS 5800 Grand Rounds in Communication Disorders.....	3 s.h.
CDS 5900 Advanced Clinical Practice.....	4-5 s.h.
CDS 5910 Diagnostics in Speech-Language Pathology.....	1 s.h.
CDS 5920 Audiology Clinical Practice.....	1 s.h.
CDS 5970* Educational Internship.....	3 s.h.
CDS 5980* Medical Internship.....	3 s.h.
Total.....	46-47 s.h.

\* Students register for 12 semester hours; a maximum of three semester hours may be applied to the degree.

##### Curriculum for Master of Science in Communication Disorders & Sciences Thesis Option

CDS 5000 Research Methods in Communication Disorders & Sciences.....	3 s.h.
CDS 5100 Motor Speech Disorders.....	3 s.h.
CDS 5150 Stuttering.....	3 s.h.
CDS 5200 Developmental Syndrome Disorders.....	3 s.h.
CDS 5250 Advanced Study in Language Disorders.....	2 s.h.
CDS 5300 Acquired Language Disorders.....	3 s.h.
CDS 5350 Cognitive Communication Disorders.....	2 s.h.
CDS 5400* Special Topics.....	2 s.h.
CDS 5500 Dysphagia Management in Children and Adults.....	3 s.h.
CDS 5600 Professional Regulations and Issues.....	3 s.h.
CDS 5800 Grand Rounds in Communication Disorders.....	3 s.h.
CDS 5850 Independent Study.....	1-6 s.h.
CDS 5890* Thesis.....	4 s.h.
CDS 5900 Advanced Clinical Practice.....	4-5 s.h.
CDS 5910 Diagnostics in Speech-Language Pathology.....	1 s.h.
CDS 5920 Audiology Clinical Practice.....	1 s.h.
CDS 5970** Educational Internship.....	3 s.h.
CDS 5980** Medical Internship.....	3 s.h.
Total.....	48-49 s.h.

\*Students must register for a minimum of 2 s.h. in CDS 5400. Up to four semester hours of CDS 5400 are replaced by six semester hours of combined credit for independent study (CDS 5850) and thesis (5890).

\*\*Students register for 12 semester hours; a maximum of three semester hours may be applied to the degree.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Communication Disorders and Sciences Department, second floor of the Human Services Building, EIU.

## ECONOMICS

**Degree: Master of Arts**  
**Major: Economics**

Eric Hake, Ph.D., Coordinator of Graduate Studies in Economics  
Phone: 217-581-6333 or 217-581-2719  
Web Page: <http://www.eiu.edu/~economic/>

### Graduate Faculty:

Ebrahim Karbassoon, Ph.D., Department Chairperson  
Abebe, T.; Bates, L.; Brodsky, N.; Bruehler, J.; Champlin, D.; Dao, M.; Fahy, P.; Ghent, L.; Grant, A.; Hake, E.; Karbassoon, E.; Li, H.; Mason, T.; Moshtagh, A.; Thompson, W.; Upadhyay, M.

**Program Mission:** The program's objectives are to prepare students for doctoral study and to provide qualified economists to staff industry and governmental positions. Elective courses in the graduate program accommodate students with an interest in areas of economics such as international economics, economic development, theory, labor, monetary policy and banking, government and business, and history of thought.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, applicants should have 18 semester hours of undergraduate work in economics or be willing to make up deficiencies without credit toward their graduate degree, mathematics courses equivalent to MAT 2110C and 2120C, and a statistics course equivalent to ECN 3971. Equivalence of mathematics courses will be evaluated by the Graduate Committee of the Economics Department.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the departmental graduate coordinator prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). The Department of Economics offers a thesis option (30 semester hours) and non-thesis option (33 semester hours) of graduate level courses approved by the Graduate Committee. All candidates must complete ECN 4973, 5401, and 5402 and submit GRE, MAT or GMAT scores to the department. Students choosing the non-thesis option must also complete ECN 5900 and 5960.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Economics, 2159 Coleman Hall, EIU.

## MATHEMATICS & COMPUTER SCIENCE

**Degree: Master of Arts**  
**Major: Mathematics**  
**Option: Elementary/ Middle School Mathematics Education**  
**Option: Secondary Mathematics Education**

Patrick Coulton, Ph.D., Coordinator of Graduate Studies in Mathematics  
Phone: 217-581-2028  
Web Page: <http://www.eiu.edu/~math/gradua.htm>

Marshall Lassak, Ph.D., Coordinator of Graduate Studies in the Mathematics Education Options  
Phone: 217-581-2028  
Web Page: <http://www.eiu.edu/~mathte/>

### Graduate Faculty:

Peter Andrews, Ph.D., Department Chairperson  
Andrews, P.; Bishop, J.; Broline, D.; Comerford, J.; Comerford, L.; Coulton, P.; Davis, A.; Delman, C.; Dey, S.; Galperin, G.; Gauchman, H.; Glazebrook, J.; Gordon, Y.; Hawker, C.; Henn, J.; Lassak, M.; Ronsse, G.; Rosenholtz, I.; Slough, W.; Van Cleave, N.; Weaver, M.; White, A.; Wolcott, K.

**Program Mission:** The major in mathematics provides a solid background in basic graduate-level mathematics. It prepares students for advanced graduate study, post-secondary teaching, or work in industry or government. Elective courses allow specialized study in areas such as pure mathematics, applied mathematics and computer sciences. The Option in Elementary/Middle School Mathematics Education, a predominantly summer program, strengthens the professional preparation of early childhood, elementary, and middle school teachers. The program is designed to prepare students for supervision of curriculum and instruction in elementary and middle school mathematics, for more advanced graduate study in the field, and for the role of a master teacher and curriculum specialists of mathematics in Pre-K-8. The Option in Secondary Mathematics Education, a predominantly summer program, strengthens the professional preparation of junior and senior high school teachers. Special courses required by the option allow students to share their experiences and to revitalize their teaching methods.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Additionally, the general Mathematics degree as well as the Option in Secondary Education require submission of GRE scores.

For the Option in Elementary/Middle School Mathematics Education, applicants must submit evidence of successful completion of accredited teacher education programs from Eastern Illinois University or other equally accredited institutions. Applicants must also possess a valid teaching certificate. Two years teaching experience is highly recommended. **Note:** This is not a certificate granting program. Those interested in earning an endorsement in middle level education should take MLE 5110 and MLE 5150.

For the Option in Secondary Mathematics Education, applicants must submit GRE scores and evidence of successful completion of accredited teacher education programs from Eastern Illinois University or other equally accredited institutions. Applicants must also possess a valid teaching certificate. Two years teaching experience is highly recommended. **Note:** This is not a certificate granting program.

**Study Plan Approval:** The study plan shall be approved by the department prior to the completion of 12 semester hours of graduate credit which count toward the graduate degree.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). The requirement for the **Master of Arts Degree in Mathematics** is 34 semester hours (32 if a thesis is written) of graduate level courses as approved by the Graduate Committee of the Mathematics Department. Each program must include MAT 5100 and either MAT 5301 or 5330. If the student did not complete MAT 4760 and 4860 or their equivalents as an undergraduate, they must be included. The program may include up to 8 semester hours of courses in related areas, and include at least 24 semester hours of courses numbered 5000 and above.

The requirements for the **Master of Arts Degree with the Elementary/Middle School Mathematics Education Option** are 32 semester hours without a thesis or 30 hours with a thesis selected and approved by the Mathematics Department from the following:

- At least eight semester hours from the basic courses in education\*;
- Specific Requirements are as follows:

MAT 4800	Diagnosis, Remediation, and Technology in Teaching Mathematics, K-12 .....	2 s.h.
MAT 5400	The Teaching of Mathematics, K-12 .....	3 s.h.
MAT 5410	Introduction to Research in Mathematics Ed .....	3 s.h.
MAT 5990	Independent Study( 4 hours required).....	1-6 s.h.
• At least six semester hours of courses selected from:		
MAT 5635	Mathematical Topics for Secondary Teachers ..2 or 3 s.h.	
MAT 5810	Topics in Mathematics for Elementary/Middle School Teachers .....	1-4 s.h.
( Both of the above courses are repeatable)		
• For students choosing the thesis option three to six credits are required in MAT 5950, no independent study is required, and only five hours are chosen from the courses listed above.		
*Contact the department of education for current list of appropriate courses.		
The requirements for the <b>Master of Arts Degree with the Secondary School Mathematics Education Option</b> are 32 semester hours without a thesis or 30 hours with a thesis selected and approved by the Mathematics Department from the following:		
• At least five semester hours from the basic courses in education*;		
• Specific Requirements are as follows:		
MAT 4800	Diagnosis, Remediation, and Technology in Teaching Mathematics, K-12 .....	2 s.h.
MAT 5410	Introduction to Research in Mathematics Ed .....	3 s.h.
MAT 5635	Mathematical Topics for Secondary Teachers ..2 or 3 s.h. (repeatable, 6 hours required)	
MAT 5700	Topics in Teaching Mathematics.....	2-4 s.h. (repeatable 6 hours required)
MAT 5990	Independent Study( 4 hours required).....	1-6 s.h.
• At least six semester hours of courses selected from:		
MAT 4750	Linear Programming .....	3 s.h.
MAT 4760	Linear Algebra .....	4 s.h.
MAT 4780	Mathematics of Interest.....	3 s.h.
MAT 4830	Introduction to Complex Analysis with Applications ..3 s.h.	
MAT 4850	Operations Research.....	3 s.h.
MAT 4855	Introduction to Topology .....	3 s.h.
MAT 4860	Mathematical Analysis .....	4 s.h.
MAT 4870	Data Structures and Algorithm Analysis .....	3 s.h.
MAT 4900	History of Mathematics .....	3 s.h.
MAT 4910	Number Theory.....	3 s.h.
MAT 4970	Principles of Operating Systems .....	3 s.h.
MAT 5035	Topics in Computer Science .....	4 s.h.
MAT 5050	Numerical Analysis .....	4 s.h.
MAT 5100	Abstract Algebra .....	4 s.h.
MAT 5151	Probability.....	4 s.h.
MAT 5152	Statistics .....	4 s.h.
MAT 5200	Higher Geometry .....	4 s.h.
MAT 5210	Intro to Differential Geometry .....	4 s.h.
MAT 5220	Topology.....	4 s.h.
MAT 5301	Real Variables .....	4 s.h.
MAT 5330	Complex Variables.....	4 s.h.
MAT 5335	Topics in Mathematics .....	2-4 s.h.
MAT 5635	Mathematical Topics for Secondary School Mathematics Teachers .....	2 or 3 s.h. (students have the option of taking this course up to three times. Twice is required.)

- For students choosing the thesis option three to six credits are required in MAT 5950, no independent study is required, and only five hours will be chosen from the courses listed above.

\*Contact the department of education for current list of appropriate courses.

Graduate Assistantships: Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Mathematics, 3611 Old Main, EIU.

## NATURAL SCIENCES

**Degree: Master of Science**  
**Major: Natural Sciences**  
**Concentrations: Biological Sciences**  
**Physical Sciences**

James McGaughey, Ph.D., Coordinator of Graduate Studies in Natural Sciences, Concentration Biological Sciences  
Phone: 217-581-3126 or 217-581-2928  
Web Page: <http://www.eiu.edu/~msns/>

Douglas Klarup, Ph.D., Concentration Coordinator of Physical Sciences/ Area of Emphasis in Chemistry  
Phone: 217-581-3322 or 217-581-2521  
Web Page: <http://www.eiu.edu/~eiuchem/>

John Stimac, Ph.D., Concentration Coordinator of Physical Sciences/ Area of Emphasis in Geology/Geography  
Phone: 217-581-2626  
Web Page: <http://www.eiu.edu/~geoscience/>

Leonard Storm, Ph.D., Concentration Coordinator of Physical Sciences/ Area of Emphasis in Physics  
Phone: 217-581-3220  
Web Page: <http://www.eiu.edu/~physics/>

**Program Mission:** The Master of Science in Natural Sciences may be earned through the successful completion of course work offered through concentrations in the following disciplines: biological sciences and physical sciences. Students should contact the concentration coordinator in the discipline area of interest for additional program guidance. The purpose of this program of graduate study is to offer experiences designed to advance the professional and personal competencies and scholarship of science teachers. This degree provides advanced study in the biological and physical sciences and education theory. Courses specifically designed for in-service teachers are available primarily during the summer term. Other advanced undergraduate and graduate level courses are available during the nine month academic year. A study plan consisting of appropriate course work from participating department will be determined in consultation with the student's graduate advisor based upon the student's background and interests and current or anticipated teaching assignments.

**Admission Requirements:** To be eligible for degree candidacy in any of the Master of Science in Natural Sciences concentrations, applicants must meet all the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). In addition, applicants must submit evidence of successful completion of accredited teacher education programs from Eastern Illinois University or other equally accredited institutions. Applicants must also possess a valid teaching certificate.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). Additional requirements are outlined below.

### Scientific Core:

It is assumed that applicants are interested in increasing their current competencies in one or several scientific domains. All degree candidates must successfully complete courses designated as the scientific core. The purpose of this group of required courses is to present aspects of fundamental theory and practice specific to scientific endeavor.

Students in the program will enroll in the following courses:

SCI 5000 Contemporary Issues and Ethics in Science for Natural Science Teachers .....	3 s.h.
SCI 5002 History of Science for Natural Science Teachers.....	3 s.h.
SCI 5004 Special Projects for Natural Science Teachers.....	2 s.h.
SCI 5005 Seminar for Natural Science Teachers.....	1 s.h.

(students are required to enroll in SCI 5005 three summer terms for a maximum of three credits hours)

#### Discipline Component:

In addition to the required scientific core, each student must choose one area of emphasis and complete courses as specified below:

**Biological Sciences:** Minimum of 15 semester hours in biological sciences with thesis option; 18 semester hours minimum with non-thesis option.

**Physical Sciences:** Minimum of 15 semester hours in physical sciences (chemistry, geography/geology, and/or physics) with thesis option; 18 semester hours minimum with non-thesis option.

The student, in consultation with the advisor, shall select appropriate elective courses to complete the remaining hours for the degree. These courses may be taken in a single discipline or in more than one discipline; the unifying principle is their significance to the teaching field or the specialized professional work of the candidate. The unity displayed in the selection of courses of this group is the primary consideration in the process of approving the study plan.

**Non-Thesis Option:** If the student elects not to submit a thesis, the minimum credit required for graduation is 32 semester hours, to include the 11 semester hours of the required scientific core, 18 semester hours in an area of concentration, and 3 semester hours of electives to be determined by the candidate in consultation with the advisor.

**Thesis Option:** Although preparation of a formal paper or thesis is not required of candidates for the degree, Master of Science in Natural Sciences, a student may elect this alternative. If the student elects to submit a thesis, the minimum credit required for graduation is 30 semester hours to include the 9 semester hours of the required scientific core, 15 semester hours in an area of concentration, and 6 semester hours of thesis and research to be determined by the candidate in consultation with the advisor. The thesis must be read by at least two faculty members other than the advisor before it is given final approval. Candidates who contemplate graduate study beyond the master's degree are urged to write a thesis.

**Education Theory Courses:** Students may elect to include graduate courses from the Department of Secondary Education and Foundations to satisfy a portion or all of the elective hours beyond the scientific core and discipline concentration requirements. Selection of appropriate courses should be made after consultation with the student's advisor.

#### Comprehensive Examination and the Examining Committee:

The candidate for the Master of Science in Natural Sciences must successfully complete a final comprehensive examination. The nature of this examination will be determined by the Graduate Committee from the candidate's area of concentration. The candidate's examining committee shall consist of a minimum of the candidate's advisor and two other faculty members agreed upon by the candidate and advisor. Successful completion of the examination in a specific concentration must be filed in the Graduate School at least one week prior to the graduation date.

**Transfer Credit:** Up to six semester hours of transfer credit from another accredited graduate school may be applied to the degree. Course work must be applicable to the degree program. The concentration coordinator must approve transfer credit. All transfer credit must meet the requirements for transfer credit established by the Graduate School.

**Study Plan Approval:** The student in consultation with the advisor must obtain approval of the study plan from the program coordinator prior to the completion of 12 semester hours of graduate credits which count toward the graduate degree.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the concentration coordinator.

## POLITICAL SCIENCE

### Degree: Master of Arts

#### Major: Political Science

#### Concentrations:

- American Government and Politics
- Comparative Politics/International Relations
- Public Administration/Public Policy

Ryan C. Hendrickson, Ph.D., Coordinator of Graduate Studies in Political Science

Phone: 217-581-2523  
Web Page: <http://www.eiu.edu/~polisci/>

#### Graduate Faculty:

Richard A. Wandling, Ph.D., Department Chairperson  
Anderson, K.; Ashley, J.; Barria, L.; Carwell, D.; Hendrickson, R.; McNitt, A.; Mueller, M.; Poole, B.; Roper, S.; Swenson, K.; Wandling, R.

**Program Mission:** The program provides a flexible curriculum for students interested in American government, comparative politics, international relations, public administration and public policy. Students will receive training in the advanced analytical, methodological, and theoretical approaches used in political science. The curriculum prepares students for work in public affairs, including employment in local, state and national government. Other graduates from the program have found employment in journalism, international business, community college teaching and administrative positions in higher education. The program also prepares students for future Ph.D. or legal studies. Internships related to government, politics and the legal system are available.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). Submission of GRE general scores is recommended for students whose GPA is below 3.00 or who have not majored in Political Science.

**Study Plan Approval:** The study plan shall be approved by the department and filed with the departmental graduate coordinator.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). Additional requirements include a total of 30 semester hours with the thesis, or 32 semester hours with the comprehensive examination option, and a GPA of 3.00. All students will complete 12 hours of course work for a major concentration and six hours for a minor concentration. Students are required to take core courses in their major field. Students majoring in American Government and Politics must take two of the following courses: PLS 4853, 5073, 5173, 5273. Students majoring in Comparative Politics/International Relations must take both PLS 5433 and 5023. Students majoring in Public Administration/Public Policy must take PLS 5543. PLS 5053 is required of all graduate students.

#### Concentrations Available:

##### American Government and Politics:

PLS 4774 American Constitutional Law .....	3 s.h.
PLS 4853 Contemporary Constitutional Development.....	3 s.h.
PLS 5073 Seminar in Political Behavior .....	3 s.h.
PLS 5153 Cities, Politics and Urban Policy .....	3 s.h.
PLS 5163 Subnational Government.....	3 s.h.
PLS 5173 Seminar in Congressional Politics.....	3 s.h.
PLS 5273 Presidential Politics .....	3 s.h.

##### Comparative Politics/International Relations:

PLS 4823 International Policy Issues .....	3 s.h.
PLS 4933 Ideologies of the Third World Nations .....	3 s.h.
PLS 5023 Proseminar in International Politics.....	3 s.h.
PLS 5033 Comparative Institutional Political Economy.....	3 s.h.
PLS 5043 International Political Economy.....	3 s.h.
PLS 5133 Governments and Politics of Asia .....	3 s.h.
PLS 5533 Seminar in Political Modernization .....	3 s.h.

##### Public Administration/Public Policy:

PLS 4793 Public Organization Theory.....	3 s.h.
PLS 4873 Human Resource Management in Government.....	3 s.h.
PLS 4893 Government Budgeting and Politics.....	3 s.h.
PLS 5153 Cities, Politics and Urban Policy .....	3 s.h.
PLS 5163 Subnational Government.....	3 s.h.
PLS 5543 Proseminar in Public Administration .....	3 s.h.

Hours earned in independent study (5990), thesis (5950), internship (5980) and special courses (4980-4999) will not count toward completion of major and minor requirements. Consult with the graduate coordinator in advance to determine which concentration requirements will be met by PLS 5843. There will be no substitutions for any of the major and minor area courses. In addition, a course used to meet the requirements of one area cannot be counted for another area.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Political Science, 2135 Coleman Hall, EIU.

## PSYCHOLOGY

### Degree: Master of Arts

#### Major: Clinical Psychology

Anu Sharma, Ph.D., Coordinator of Graduate Studies in Clinical Psychology

Phone: 217-581-2127  
Web Page: <http://psych.eiu.edu/dept/grad.shtml>

#### Graduate Faculty:

William Addison, Ph.D., Department Chairperson  
Addison, W.; Bailey, W.; Bernas, Best, J.; Brito, C.; R.; Canivez, G.; Deptula, D.; Gruber, R.; HaiteMariam, A.; Havey, M.; Leal, L.; McCormick, C.; Scher, S.; Sharma, A.; Stowell, J.; Wilson, K.

**Program Mission:** The Master's of Arts in Clinical Psychology is designed for students with career interests in clinical, counseling, or community psychology. Students with interests in these areas are recommended to complete course work which facilitates the development of clinical skills and competencies. These courses cover the areas of psychological assessment, therapy, and research, including completion of a thesis. A two-semester internship in an approved agency setting under both agency and academic clinical supervision is in the second year.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). A limited number of students are accepted each year and admission to the program is competitive. Prior to consideration for acceptance, students must provide evidence of admission to the Graduate School and completion of the GRE (General) test. Three letters of recommendation

attesting to the applicant's potential for successful completion of graduate work must also be submitted. In addition, students must meet at least one of the following requirements in order to be considered for admission:

- A 3.0 grade point average in all undergraduate courses and a 3.25 GPA in undergraduate psychology (based upon a 4-point scale).
- A minimum composite score (verbal, quantitative, and analytical) of 1500 on the GRE.

In the unusual situation where a student does not meet the specific entrance requirements, but believes he or she warrants exceptional consideration, the student may petition the Clinical Psychology Committee for consideration.

Applications and other supporting data should be submitted to the Graduate School prior to March 1 for consideration for admission the following fall semester. To gain admission, applicants must present a transcript from an accredited institution approved by EIU showing the completion of twenty semester hours of course work in psychology. The following courses are required for admission: statistics; experimental psychology; abnormal psychology; learning or behavioral management. Courses considered critical and strongly recommended include: tests and measurement; personality theory; developmental psychology (child or adolescent). Deficiencies in course work must be made up prior to or concurrently with the graduate program. Petitions for waiver and/or substitution may be made to the departmental clinical psychology committee.

**Study Plan Approval:** The study plan shall be approved by the departmental clinical psychology committee and filed with the departmental graduate coordinator prior to the final semester of study.

**Degree Requirements:** Degree requirements include those outlined for the master's degree by the Graduate School (see "Requirements for the Master's Degree"). A student is awarded the Master of Arts in Clinical Psychology following successful completion of at least 48 semester hours of graduate course work consistent with the student's study plan, successful completion of a comprehensive examination and receipt of the Certificate of Comprehensive Knowledge, completion of the clinical internship, and completion of a master's thesis.

#### Core Course Requirements:

PSY 5025 Psychological Assessment I .....	4 s.h.
PSY 5026 Psychological Assessment II.....	4 s.h.
PSY 5035 Advanced Psychopathology.....	3 s.h.
PSY 5040 Psychotherapy.....	3 s.h.
PSY 5060 Cognitive Behavior Therapy.....	3 s.h.
PSY 5070 Group Psychotherapy.....	3 s.h.
PSY 5560 Marriage and Family Therapy .....	3 s.h.
PSY 5710 Research Design and Statistical Analysis I .....	4 s.h.
PSY 5711 Research Design and Statistical Analysis II .....	3 s.h.
PSY 5950 Thesis.....	6 s.h.
PSY 5900 Internship in Clinical Psychology I.....	6 s.h.
PSY 5980 Internship in Clinical Psychology II.....	6 s.h.

#### Electives:

PSY 5580 Advanced Crisis Intervention .....	3 s.h.
CSD 5920 Career Counseling .....	3 s.h.
CSD 5970 Counseling the Chemically Dependent.....	3 s.h.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Psychology, Physical Sciences 1151, EIU.

### Degree: Specialist in School Psychology Major: School Psychology

J. Michael Havey, Ed.D., Coordinator of Graduate Studies in School Psychology

Phone: 217-581-2127  
Web Page: <http://psych.eiu.edu/dept/grad.shtml>

**Graduate Faculty:** See Master of Arts in Clinical Psychology

**Program Mission:** The purpose of the Specialist in School Psychology program is to prepare competent professional school psychologists to serve children, teachers, and parents in an age of societal, educational, and professional change. Students interested in pursuing careers in school psychology are admitted into the Specialist in School Psychology program. The specialist's degree is generally considered to be the equivalent of a master's degree plus an additional 30 hours. It, or its equivalent, is recognized by the National Association of School Psychologists and most states, including Illinois, as the appropriate entry-level degree for the practice of school psychology.

**Accreditation:** The school psychology program is fully approved by the Illinois State Board of Education and National Council Accreditation of Teacher Education. Students are guaranteed state certification upon successful completion of the specialist's degree and the state certification exam. In addition, the program has been approved by the National Association of School Psychologists.

**Admission Requirements:** To be eligible for degree candidacy, applicants must meet all of the requirements for admission to the Graduate School (see "Admission to Graduate Degree and Certificate Programs"). A limited number of students are accepted each year and admission to the program is competitive. Prior to consideration for acceptance, the applicant must provide evidence of admission to the graduate school and submit test scores for the GRE (general) test. In addition, the departmental application and three letters of recommendation attesting to the applicant's abilities and promise in the area of school psychology should be provided to the school psychology committee. A personal statement of reasons for wanting to enter the profession, related strengths and experiences, as well as long-term goals, is also required. Students may be asked to complete an interview.

If the following entrance requirements are met, the applicant may be eligible for acceptance into the School Psychology Program.

- A 3.0 (4.0 scale) grade point average in all undergraduate courses and a 3.25 in undergraduate psychology; **OR**
- A composite (verbal, quantitative, analytical writing) score at the 50th percentile or higher on the Graduate Record Exam - General Aptitude Test; **OR**
- A score at the 50th percentile or higher on the psychology portion of the Graduate Record Exam; **OR**
- In an unusual situation where the above criteria are not met, the applicant may submit a petition to the school psychology committee for review. Probationary admission may be granted based upon the individual circumstances set forth in the applicant's petition.
- Program Prerequisites: Applicants must present a transcript from an accredited institution showing completion of the following courses: introductory psychology; experimental psychology; statistics; abnormal behavior; child psychology; learning or behavior analysis/ modification; personality theory.

Deficiencies may be made up concurrently with the graduate program and will extend the length of the program. Petitions for waiver and/or substitution may be made to the departmental school psychology committee. Screening of applicants begins on March 1. Applicants should submit all materials (including GRE scores) before that date.

**Study Plan Approval:** Approval of the study plan for the specialist's degree should normally come as soon as possible after acceptance into the degree program. Approval of the study plan is required for graduation.

**Degree Requirements:** Degree requirements include those outlined for the specialist's degree by the Graduate School (see "Requirements for the Specialist's Degree"). The Specialist's Degree in School Psychology requires a minimum of 66 semester hours at the graduate level. In addition to traditional course work,

the specialist's degree includes 12 hours of internship, 9 hours of practicum, and at least 6 hours of thesis. The plan of study leading to state certification and the specialist's degree includes the following:

**Psychological Foundations**

PSY 5170 Theories of Learning.....	3 s.h.
PSY 6300 Advanced Child Development.....	3 s.h.
PSY 6500 Child Psychopathology.....	3 s.h.
PSY 6550 Neuropsychology: Brain-Behavior Relationships.....	3 s.h.
Total (minimum).....	12 s.h.

**Professional School Psychology**

PSY 5030 The School Psychologist.....	3 s.h.
PSY 6970 Seminar: Special Topics in School Psychology.....	3 s.h.
Total.....	6 s.h.

**Psychological Assessment**

PSY 5005 Personality Assessment II Child and Adolescent.....	3 s.h.
PSY 5015 Individual Intellectual Assessment.....	4 s.h.
PSY 5110 Psycho Educational Assessment of Preschool Children.....	3 s.h.
PSY 5020 Advanced Measurement Principles.....	3 s.h.
Total.....	13 s.h.

**Research and Statistics**

PSY 5710 Research Design and Statistical Analysis.....	4 s.h.
PSY 5711 Research Design and Statistical Analysis II.....	3 s.h.
PSY 6000 Specialist's Thesis.....	3-6 s.h.
Total.....	10-13 s.h.

**Intervention**

PSY 5040 Psychotherapy.....	3 s.h.
PSY 5050 Behavior Therapy w/ Children & Adolescents.....	3 s.h.
PSY 6660 Theories and Application of Psychological Consultation.....	3 s.h.
PSY 6980 Psychotherapeutic Interventions in the Schools.....	3 s.h.
Total.....	12 s.h.

**Field and Clinical Experience**

PSY 5890 Field Study or Practicum.....	12 s.h.
PSY 6890 Advanced Practicum in School Psychology.....	3 s.h.
PSY 6999 Internship in School Psychology.....	6 s.h.
Total.....	21 s.h.

**Residency Requirement:** The residency requirement is fulfilled by enrollment for at least eight semester hours in a single semester or at least six semester hours in each of two terms (semester or summer sessions of at least eight weeks duration).

**Time limit:** The final 32 semester hours of the approved program must be completed within a six-year period preceding the date of the awarding of the degree.

**Academic Progress:** Students must maintain a minimum of a 3.25 grade point average for retention in the program. Failure to maintain a 3.25 average during one academic semester will result in probation during the following term. Failure to achieve a 3.25 average during the probationary term will result in immediate dismissal from the program.

**Comprehensive Examination:** Students must complete the National Association of School Psychologists national certification examination prior to graduation.

**Practicum/Internship:** Four types of field/clinical experiences are built into the program. Early in the student's program, a 150-clock-hour placement in a classroom is made to acquaint the student with the operations of a public school. This is followed by a semester of clinical practicum through the Psychology Department's Child Study Center. During the final semester of course work, students are enrolled in a field practicum in which they complete 150 hours in the schools. This practicum is taken concurrently with consultation and psychotherapy classes. The

field experience component culminates in a full school year internship (a minimum of 1,200 clock hours) in a site which meets the requirements set forth by the Illinois State Board of Education. During this time the student works under the direct supervision of a practicing school psychologist in a school setting and receives periodic supervision from a faculty member of the school psychology program.

**Thesis:** Each student must complete an acceptable research project following departmental and University guidelines. The final approval of the project rests with the student's graduate committee. Regulations governing the writing of the thesis are available in the Graduate School Office.

**Graduate Assistantships:** Information on graduate assistantships may be obtained by contacting the Coordinator of Graduate Studies or Chair, Department of Psychology, Physical Sciences 1151, EIU.

**Other College of Science Graduate Faculty Members**

**Sociology/Anthropology**

Benedict, R.; Cosbey, J.; Eckert, C.; Foster, G.; Freeland, L.; Hendrickson, D.

## GRADUATE EDUCATION AND DEGREE PROGRAMS SCHOOL OF CONTINUING EDUCATION

William C. Hine, Ed.D., Dean

The School of Continuing Education is committed to providing high quality on- and off-campus credit and credit-free programming to the citizens of the State of Illinois. The School provides a large number of contract-credit classes, certificates and degree programs on the undergraduate and graduate level. The School offers over 50 workshops that can be taken for graduate credit each semester. Along with these workshops, the following graduate programs are offered off-campus in cooperation with the appropriate college and the Graduate School:

### **Degree: Master of Business Administration**

This graduate program is offered at Parkland College in Champaign, IL. For information, call the MBA Program Office at 217-581-3028.

### **Degree: Master of Science in Education in Educational Administration**

Programs are offered in Danville, Decatur, and Mt. Vernon. For information call the Chair of the Department of Educational Administration at 217-581-2919.

### **Degree: Master of Science in Education in Elementary Education**

A complete program is available in Decatur and Danville. Occasional courses are offered in Olney and Centralia. For more information call the Chair of the Department of Early Childhood, Elementary, and Middle Level Education at 217-581-5728.

### **Degree: Master of Science in Technology**

This program with an emphasis in technology is offered in the Champaign-Urbana area. For information, call the School of Technology at 217-581-3226.

### **Locations of Off-Campus Programs**

Eastern Illinois University offers courses in 35 locations. Many additional courses are sponsored by regional offices of education, hospitals, businesses, and industry. Many courses are taught in a weekend format that begins Friday night and ends Saturday afternoon. A few courses are delivered to off-campus locations using new educational technologies including the Internet and Interactive Television. Programs may be found in the following communities: Champaign-Urbana, Danville, Decatur, Effingham, Centralia, Mattoon, Mt. Vernon, Olney, Rantoul, and Taylorville.

### **Information on Off-Campus and Contract Credit Programs**

■<http://www.eiu.edu/~adulted> Students interested in opportunities available through off-campus and contract credit programs, sponsored programs, and locations may call 1-800-446-8918. Additional information is available by calling or writing to the School of Continuing Education, Eastern Illinois University, 600 Lincoln Avenue, Charleston, IL 61920-3099, 217-581-5114 (phone), 217-581-6697(fax).

### **Costs**

All tuition and fees are based upon student classification and must be paid at the time of registration. Student costs are based on the current per hour rate of tuition, the per hour rate for the textbook rental fee, and a \$35.00 per hour continuing education fee.

## VIII. Course Descriptions

### **Course Numbering System**

Consult the section of the *Graduate Catalog* entitled "Course Definitions" for a comprehensive summary of the course numbering system. Consult the section of the *Graduate Catalog* entitled "Graduate Study Options for EIU Seniors" for courses open to undergraduates. Consult the section of the *Graduate Catalog* entitled "Graduate Credit and Grading Policies" for a definition of credits.

### **Course Numbers**

Numbers in parenthesis following the course title indicate the number of class hours per week, laboratory or studio hours per week, and credit hours. For example (3-2-4) indicates three hours of classroom work each week, 2 laboratory hours per week, and four semester hours of credit. Students enrolled in courses whose meeting times are noted as "arranged" (Arr.) should contact the instructor by the beginning of the semester to conclude course arrangements.

### **Prerequisites**

Prerequisites are predicated upon the assumption that students require certain knowledge and/or skills gained in one or more previous courses. Prerequisites for courses are printed immediately following the course description.

A student may not enroll in a course serving as a prerequisite for another course he or she has already completed. A student may not enroll in a lower level course which substantially duplicates a higher level course already, successfully completed. Students who violate these prescriptions may not receive credit for the course toward graduation.

## ACCOUNTING

### **Courses Open to Juniors, Seniors and Graduate Students**

**4750 ACC Governmental and Not-for-Profit Accounting. (3-0-3)** Special nature of accounting for governmental and not-for-profit entities. Topics include fund accounting characteristics, budgets, cost accounting systems, and financial statement analysis. Prerequisite: ACC 3250, ACC 3900 with the grade of C or better; a minimum cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair.

**4800 ACC Federal Income Taxation II. (3-0-3)** A continuation of ACC 4400, with emphasis on underlying principles and concepts in the federal income tax laws and the tax consequences of alternatives. Emphasis on corporation, partnership, and fiduciary tax problems. Property transactions and international transactions will also be examined. Tax research is included. If this course is taken for graduate credit, there will be additional requirements to complete this course. Prerequisite: ACC 4400 with the grade of C or better; a minimum of cumulative EIU GPA of 2.50 or higher; admission to the Accounting Program or permission of the Associate Chair.

### **Graduate Courses**

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5100 ACC Special Topics in Accounting. (3-0-3)** Selected topics in accounting such as financial statement analysis, forensic accounting, accounting issues in e-business, international

accounting, the history of accounting, and other specialized topics as they emerge will be studied in depth. This course may be repeated with the prior approval of the graduate advisor if the course content is significantly different. Prerequisite: Determined by subject matter to be covered.

**5200 ACC Financial Accounting Standards. (3-0-3)** A study of the standards which comprise generally accepted accounting principles in the financial accounting area. Includes a study of the standards-setting process and the roles of such groups as the Financial Accounting Standards Board, the Securities and Exchange Commission, the Emerging Issues Task Force, and the International Accounting Standards Committee. Prerequisite: ACC 3250 or its equivalent.

**5300 ACC Strategic Cost Management. (3-0-3)** The course critically examines current cost management philosophies and their relationship to organizational strategy. Focus is on cost management in competitive business environments. Topics include activity-based costing and management, benchmarking and best practices analysis, business process reengineering, performance measurement, capacity management, theory of constraints, total quality management, strategic cost management, electronic commerce, and change management. Prerequisite: ACC 3300 or MBA 5605 or equivalent.

**5400 ACC Advanced Auditing & Assurance Services. (3-0-3)** This is the second of two integrated courses on auditing and assurance services. This course focuses on collection, analysis and evaluation of audit evidence, auditing procedures and tests, assessment of risks, required disclosures, reports, and case studies. Prerequisites: ACC 4700 or its equivalent with a grade of C or better. Admission to the MBA Program, or permission of Associate Chair, School of Business.

**5600 ACC Advanced Auditing. (3-0-3)** Current auditing philosophy, standards, techniques, and professional standards are extensively investigated and related to auditing activities. Special topics include design of audit programs in relation to the client's system of internal controls and such factors as relative risk and materiality. Other topics include the impact of EDP, auditing sampling and preparation of auditors reports and qualifications therein. Prerequisite: ACC 4550 or 4600 or equivalent.

**5700 ACC Seminar on Challenges in Accounting. (3-0-3)** An in-depth study of various accounting topics, including discussions of emerging issues. Actual and hypothetical scenarios will be presented for group analysis, evaluation, and presentation of possible accounting treatments. The scenarios will exemplify the ambiguities and uncertainties faced by accounting professionals. Prerequisite: ACC 3200 or its equivalent.

**5800 ACC Employee Benefit Plans. (3-0-3)** A study of tax provisions regarding the planning, administration and compliance requirements of estates, trusts, and qualified pension and profit sharing plans. Includes selected issues in estate and gift taxes.

## ART

### **Courses Open to Juniors, Seniors, and Graduate Students**

**4755 ART Special Topics in ART. (Arr.-Arr.-1 to 3)** Study of special topics in Art and Art History that are not ordinarily covered in existing courses. Topics to be announced. May be repeated for credit on a different topic with permission of the department chair.

Prerequisite: Junior standing and a minimum of five courses in Art with one being an Art History course or permission of instructor.

**4765 ART Twentieth-Century American Painting and Sculpture. (3-0-3)** A study of major American artists, movements, and tendencies that have developed since 1908. Prerequisite: Six semester hours of Art Survey (Ancient to Medieval, Gothic to Contemporary) or permission of instructor.

**4775 ART Seminar in Twentieth-Century Art History and Criticism. (3-0-3)** A critical understanding and evaluation of art, art-historical literature, and contemporary criticism, with emphasis on critics, artists, and art of the post-World War II period. Prerequisite: Six semester hours of Art Survey (Ancient to Medieval, Gothic to Contemporary) or permission of instructor.

**4800 ART Advanced Weaving. (0-6-3)** Advanced problems in weaving with particular emphasis on design using the dobbie and multi-harness looms and double weave techniques to perfect skills. Prerequisite: ART 3802.

**4801 ART Advanced Weaving II. (0-6-3)** Advanced problems in weaving with particular emphasis on complex weaves. Prerequisite: ART 4800.

**4802 ART Advanced Weaving III. (0-6-3)** Continuation of ART 4801 with further mastery of the subject matter and techniques. Prerequisite: ART 4801.

**4910 ART Typography III. (0-6-3)** Advanced visualization studies investigating the application of visual communication concepts to problems involving sequential relationships. May be taken twice for credit for a maximum of six semester hours; only three semester hours may be accepted as graduate-level credit. Prerequisite: ART 3920 and 3921.

**4911 ART Visualization Studies III. (0-6-3)** An introduction to the application of visual communication concepts to three-dimensional design issues. Prerequisite: ART 3920 and 3921.

**4920 ART Typography IV. (0-6-3)** Advanced display and text studies investigating the application of visual communication concepts to problems involving design systems and corporate identity. May be taken twice for credit for a maximum of six semester hours; only three semester hours may be accepted as graduate-level credit. Prerequisite: ART 4910 and 4911.

**4921 ART Visualization Studies IV. (0-6-3)** Advanced three-dimensional visualization studies investigation the application of visual communication concepts to environmental design problems. Prerequisite: ART 4910 and 4911.

### Graduate Courses

(Courses numbered 5000-5499, inclusive, may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5100 ART Special Studies I. (0-4-2)** Content may vary to meet individual needs. Experimentation with various materials. May be taken twice for credit. Prerequisite: Department chair's approval of an arranged class contract.

**5200 ART Studies in Painting I. (0-6-3)** Construction and development of form in painting with emphasis on the development of personal expression. Prerequisite: Nine semester hours of undergraduate courses in painting.

**5500 ART Current Trends in Art Education. (3-0-3)** A seminar course designed to present graduate art education students with current trends, theories, concepts, and strategies for teaching art.

**5505 ART Assessment in Art Education. (3-0-3)** A seminar course that will focus on assessment strategies for art educators. Elective for the Master of Arts Degree in Art with the Art Education Option. Prerequisite: Current teacher's certification in Art.

**5510 ART Curriculum Design in Art Education (3-0-3)** A seminar course designed to present theories, strategies, and experiences in designing art curricula. Topics for class discussion include: contemporary approaches to teaching art, current research about the characteristics of elementary and secondary students, and existing designs for scope and sequence for art curricula. Elective for the Master of Arts Degree in Art with the Art Education Option. Prerequisite: Admission to the Graduate School and current teacher's certification in Art.

**5560 ART Studies in Contemporary Printmaking I. (0-6-3)** Experimentation with contemporary techniques and discussion of traditional and nontraditional issues pertaining to all aspects of printmaking. Prerequisite: Six semester hours of undergraduate printmaking. May be taken twice for credit.

**5561 ART Studies in Contemporary Printmaking II. (0-6-3)** Experimentation with contemporary techniques and discussion of traditional and nontraditional issues pertaining to all aspects of printmaking. Prerequisite: Six semester hours of undergraduate printmaking. May be taken twice for credit.

**5571 ART Studies in Ceramics I. (0-6-3)** Problems in ceramic design and construction with emphasis upon developing the individual's style and competence. Prerequisite: Nine semester hours of undergraduate ceramics. May be taken twice for credit.

**5572 ART Studies in Ceramics II. (0-6-3)** Problems in ceramic design and construction with emphasis upon developing the individual's style and competence. Prerequisite: Nine semester hours of undergraduate ceramics. May be taken twice for credit.

**5600 ART Special Studies II. (0-2 to 4-1 to 2)** Aesthetic research supervised by a selected faculty member in a specific area of interest. May be taken twice for credit. Prerequisite: Department chair's approval of an arranged class contract.

**5610 ART Studies in Drawing I. (0-6-3)** Development of personal expression in drawing. Prerequisite: Nine semester hours of undergraduate drawing or permission of the instructor. May be taken twice for credit.

**5611 ART Studies in Drawing II. (0-6-3)** Development of personal expression in drawing. Prerequisite: Nine semester hours of undergraduate drawing or permission of the instructor. May be taken twice for credit.

**5620 ART Studies in Watercolor. (0-6-3)** Advanced study in various aqueous media. May be taken twice for credit. Prerequisite: Six semester hours of undergraduate watercolor course work or permission of the instructor.

**5671 ART Studies in Sculpture I. (0-6-3)** Student to direct his/her study toward greater personal mastery of form, medium, and style. Prerequisite: Nine semester hours of undergraduate sculpture or permission of the instructor. May be taken twice for credit.

**5672 ART Studies in Sculpture II. (0-6-3)** Student to direct his/her study toward greater personal mastery of form, medium, and style. Prerequisite: Nine semester hours of undergraduate sculpture or permission of the instructor. May be taken twice for credit.

**5701 ART Studies in Painting II. (0-6-3)** Individualized study in painting directed toward greater personal expression. Prerequisite: ART 5200

**5702 ART Studies in Painting III. (0-6-3)** Individualized study in painting directed toward greater personal expression. Prerequisite: ART 5701 or ART 5702. May be taken twice for credit.

**5771 ART Studies in Metalsmithing I. (0-6-3)** Advanced problems in metalsmithing with experimentation and development in a specific area. Historic and contemporary references will be included. Prerequisite: Nine semester hours of undergraduate jewelry/metalsmithing course work or permission of instructor. May be taken twice for credit.

**5772 ART Studies in Metalsmithing II. (0-6-3)** Advanced problems in metalsmithing with experimentation and development in a specific area. Historic and contemporary references will be included. Prerequisite: Nine semester hours of undergraduate jewelry/metalsmithing course work or permission of instructor. May be taken twice for credit.

**5800 ART Research Methods in Art Education. (3-0-3)** A seminar course that will focus on research methods for art education. Required course for the Master of Arts Degree in Art with the Art Education Option. Prerequisite: Admission to the Graduate School, to the Master of Arts Degree in Art, Art Education Option and completion of Art 5500 or permission of the instructor.

**5801 ART Studies in Weaving I. (0-6-3)** Experimentation and development in advanced weaving techniques. Personal research and development of historic and contemporary weaving will be stressed. Prerequisite: Nine semester hours of undergraduate weaving or permission from the instructor. May be taken twice for credit.

**5802 ART Studies in Weaving II. (0-6-3)** Experimentation and development in advanced weaving techniques. Personal research and development of historic and contemporary weaving will be stressed. Prerequisite: Nine semester hours of undergraduate weaving or permission from the instructor. May be taken twice for credit.

**5850 ART Teaching Practicum. (1-0-1)** Seminar discussions of various procedures in teaching college art courses and supervised teaching of courses within the department. Required of all teaching graduate assistants fall semester.

**5900 ART Research in Art. (Arr.-Arr.-2)** Development of research skills for various visual arts disciplines. Prerequisite: Department chair's approval of an arranged class contract.

**5910 ART Graduate Exhibition Practice and Procedure. (1-0-1)** An overview of the relationship between artists and museums, the handling and presentation of artworks, with practical experience gained through the organization and presentation of the Graduate Art Exhibition. Prerequisite: Final semester of graduate study.

**5950 ART Thesis. (Arr.-Arr.-3 to 6)** As arranged. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: ART 5900 and written consent from a selected instructor.

**5970 ART Independent Study in Art Education. (Arr.-Arr.-1 to 6)** Advanced studies in research leading to the completion of the research project/paper in art education. May be repeated for a maximum of six semester hours of credit.

**5990 ART Independent Study. (Arr.-Arr.-1 to 6)** As arranged. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: Department chair's approval of an arranged class contract.

## BIOLOGICAL SCIENCES

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 BIO Biometrics. (2-2-3)** Methods of quantitative analysis of biological data at the population level. Prerequisite: Eighteen semester hours in Biological Sciences.

**4751 BIO Advanced Molecular Cell Biology. (3-0-3)** A study of the molecular basis of intracellular processes including: gene regulation and expression; molecular biosynthesis and transport; cell motility and adhesion; cell cycle regulation; and intracellular signaling, using case studies from current scientific literature. Prerequisite: BIO 3100, 3101, and 3200.

**4800 BIO Research Techniques. (2-0-2)** The principles of biological research including review of the literature, bibliographic databases, and effective presentation of research results.

**4810 BIO Plant Ecology. (1-4-3)** The application of investigative techniques to the study of the structure and successional patterns of plant communities. Prerequisite: Two years of Biological Sciences.

**4812 BIO Fisheries Ecology and Management. (2-3-3)** Relationships of fish with biotic and abiotic components of their environment. Role of fishes in aquatic ecosystems and current management strategies. Prerequisite: BIO 3800, BIO 4750 recommended.

**4814 BIO Conservation Biology. (3-0-3)** Study of the application of ecological and genetic principles to the preservation and conservation of biological diversity. Topics will include the demography and genetics of small populations, population viability, island biogeography, and the design of nature reserves. Prerequisite: BIO 3200 and 3800.

**4816 BIO Study of Biotic Communities. (2-Arr.-3)** The study of selected biotic communities in Illinois and surrounding states. Prerequisite: Major in Biological Sciences; Twelve semester hours in Biological Sciences including BIO 3800 or 4810; or permission of the instructor.

**4818 BIO Environmental Microbiology. (2-4-4)** An introduction to the principles, applications, and methodologies of environmental microbiology with emphasis on microbial interactions with animals and plants, on the microbiology of air, water, sewage, and soils, and on the role of microorganisms in biogeochemical cycling. The use of microorganisms in the bioremediation of environmental pollutants and in the recovery and enhancement of environmental resources will also be considered. Prerequisite: BIO 3300 or equivalent.

**4830 BIO Comparative Vertebrate Physiology. (3-0-3)** A comparison of physiological activities in fish, amphibians, reptiles, birds and mammals exhibited in their natural environment. Prerequisite: BIO 3520 and organic chemistry; biochemistry recommended.

**4832 BIO Animal Behavior. (3-3-4)** Theoretical and experimental studies of the principles of animal behavior. Prerequisite: Sixteen semester hours of Biological Sciences or permission of the instructor.

**4834 BIO Neurobiology. (3-0-3)** A study of the structure and function of neurons, the principal cells of the nervous system, at the molecular and cellular level. This course will emphasize neurobiological aspects of learning, memory, and behavior. Prerequisite: BIO 3100 or permission of the instructor.

**4836 BIO Pathogenic Microbiology. (2-4-4)** An introduction to the role and activities of pathogenic microorganisms in the diseases of humans, animals, and plants with emphasis on the history, classification, morphology, nutrition and growth, metabolism, genetics, and virulence factors of disease-causing prokaryotes as well as the epidemiology, diagnosis, treatment, and prevention of the diseases they cause. The laboratory will emphasize clinical techniques required for the isolation, cultivation, and identification of pathogenic microorganisms. Prerequisite: BIO 3300 or equivalent.

**4892 BIO Introduction to Paleobotany. (3-2-4)** Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. Prerequisite: GEL 1430 and BIO 3612 or permission of instructor. Credit not granted for both GEL 4892 and BIO 4892.

**4940 BIO Phycology. (2-3-3)** Introduction to algal biology; emphasis is placed on freshwater algae including the study of classification, life-history, physiology, ecology, and evolution. Prerequisite: BIO 3610.

**4942 BIO Mycology. (2-3-3)** Survey of the fungi; specifically the characteristics and phylogenetic relationships of the major groups of fungi, their structure, growth and development, physiology, reproduction and dispersal, genetics, ecological role and economic importance. Prerequisite: BIO 1200G.

**4944 BIO Lichens. (2-3-3)** Systematic survey of the lichens, including their physiology, growth and development, reproduction, ecology, economic importance, and classification. Saturday field trip is required. Prerequisite: BIO 1200G.

**4946 BIO Bryology. (1-4-3)** The structure, identification, life-history, importance of the mosses and liverworts. Fall field trip is required. Prerequisite: BIO 1200G or equivalent.

**4948 BIO Plant Taxonomy. (1-4-3)** The classification and evolution of flowering plants. Emphasis on learning common families and field techniques, especially specimen preparation. Saturday field trip required. Prerequisite: BIO 3322 or 3612 or permission of instructor.

**4950 BIO Ichthyology. (2-3-3)** Study of the anatomy, physiology, systematics and zoogeography of fishes. Prerequisite: BIO 3800 or BIO 3950 or permission of the instructor.

**4952 BIO Herpetology. (2-3-3)** A survey of the amphibian and reptilian classes, with the emphasis on the extant herpetofauna of "Midwest" region of North America. Material presented in lecture will be supplemented with laboratory examinations of preserved specimens and field trips to regional sites for surveying available taxa. Prerequisite: BIO 3800 or BIO 3950.

**4954 BIO Ornithology. (2-3-3)** The identification, classification, distribution, and natural history of Midwestern birds. Prerequisite: BIO 3800 or BIO 3950 or permission of the instructor.

**4956 BIO Mammalogy. (2-2-3)** A study of mammals with emphasis on classification, distribution, natural history and ecology. Prerequisite: BIO 3800 or permission of the instructor.

**4960 BIO Wetland and Aquatic Vascular Plants. (2-3-3)** The study of taxonomy and ecology of wetland and aquatic plants, emphasizing those occurring in the Midwest. Field trips required. Prerequisite: BIO 1200G and either BIO 3322 or BIO 3612.

**4984 BIO Organic Evolution. (3-0-3)** Fundamental principles of organic evolution stressing historical fact, evidences for and processes common to all biota. Prerequisite: BIO 1200G, 1300G, 3200, and senior-level standing.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5039 BIO Genetics and Evolution for Natural Science Teachers. (2-1-3)** The fundamental principles of genetics (classical, molecular, population) and the relationship of genetics to the theory of evolution by natural selection. A diversity of laboratory exercises will be designed to illustrate genetic concepts basic to both animal and

plant forms. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5049 BIO Topics in Ecology for Natural Science Teachers. (2-1-3)** A study of techniques for sampling data and specimens that will illustrate the relationships of plants, animals and physical factors in the prairie, forest, and aquatic communities. Emphasis will be on the application to secondary teaching. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5051 BIO Biotechnology Techniques for Natural Science Teachers. (2-1-3)** Instruction in laboratory applications of biotechnology in molecular genetics and immunology. Laboratory topics include recombinant DNA (cloning, electrophoresis) and molecular diagnostic techniques (polymerase chain reaction, western and southern blots). Laboratory fee required. Prerequisite: BIO/SCI 5039 or permission of the instructor. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5150 BIO Graduate Seminar. (2-0-1)** Seminar in current biological sciences literature. Required of all biological sciences graduate students. May be repeated, with maximum of two hours credit applied to graduate degree.

**5200 BIO Stream Ecology. (3-0-3)** A description of the physical, chemical, and biological characteristics in streams and rivers including an integrated study of the environmental factors affecting the composition and distribution of biota. The course will also emphasize the application of ecological principles in aquatic ecosystem protection and management. Prerequisite: BIO 3800.

**5202 BIO Behavioral Ecology. (3-0-3)** The study of natural selection and how it relates to adaptive strategies of behavioral phenomena in animal populations in response to the biotic and abiotic environment. Emphasis will be placed on theoretical aspects of current topics in behavioral ecology.

**5204 BIO Ecotoxicology and Biological Monitoring of Pollution. (1-4-3)** Characterization of pollutants and their qualitative and quantitative effects on biota. Includes laboratory investigation of biological and ecotoxicological effects of pollution. Prerequisite: 12 semester hours in the biological sciences and one year of college chemistry.

**5206 BIO Advanced Limnology. (2-3-3)** Investigation of the functioning of lakes and reservoirs with specific regard to the relative roles of physical, chemical and biological factors in determining species distribution and abundance. Emphasis will be placed on lake and reservoir management and restoration.

**5208 BIO Population Ecology. (3-0-3)** This course covers the structure and dynamics of populations with an emphasis on understanding how reproduction, mortality and dispersal interact to control fluctuations in population size and structure. Special emphasis will be placed on the use of models to address specific applications in conservation biology and natural resource management. Prerequisite: BIO 3800.

**5210 BIO Insect Morphology and Physiology (3-3-4)** An in-depth examination of the physiological processes and morphological adaptations by which insects function in their physical, chemical, and biological environments. Experimental methods and research equipment appropriate to the discipline will be introduced. Course available Spring 2006. Prerequisite: BIO 3720 or equivalent, or consent of instructor.

**5225 BIO Systematics. (3-2-3)** A study of the methods and principles of animal taxonomy, including speciation. Prerequisite: 16 semester hours of biological science.

**5232 BIO Plant Cell and Tissue Culture. (2-3-3)** Techniques in the initiation, propagation, maintenance, preservation, and genetic improvement of plant cells, tissues, and organs in vitro. Prerequisite: BIO 3200 is recommended, but it is not required.

**5340 BIO Population Genetics. (3-2-3)** Theoretical principles of population genetics and application of experimental methodology using quantitative and analytical methods. Laboratory topics: nucleic acid analyses, enzyme electrophoresis, polytene chromosome examinations, and statistical analyses. Prerequisite: BIO 3200 and either BIO 4750, MAT 2250C or equivalent.

**5360 BIO Field Mycology. (3-3-4)** The collection, identification, and ecology of macrofungi. Prerequisite: BIO 3610.

**5366 BIO Biogeography. (3-0-3)** The study of the geographical distribution of organisms, their habitats, and the historical and biological factors that produced them. Prerequisite: 16 semester hours of biological sciences or permission of the instructor.

**5370 BIO Wildlife Ecology and Management. (3-0-3)** Principles of managing wildlife resources with emphasis on population ecology, habitat management, and the social context of wildlife management. Prerequisite: BIO 3800 or permission of instructor.

**5372 BIO Wildlife Techniques. (2-3-3)** Instruction in current wildlife techniques including habitat evaluation and manipulation, estimation of animal abundance, capture and marking, aging, radiotelemetry, necropsy and condition assessment. Prerequisite: BIO 3800 or permission of instructor.

**5380 BIO Landscape Ecology. (2-2-3)** Introduction to the principles and application of landscape ecology, the study of pattern and heterogeneity across large spatial scales. Emphasis is placed on how to characterize pattern, how it develops and changes through time, and its implications for populations, communities, and ecosystem processes. Prerequisite: BIO 3800 or permission of instructor.

**5381 BIO Advanced Biostatistics. (3-0-3)** Survey of methods of analysis of univariate and multivariate data from biological systems. Techniques will include: survival analysis, ANOVA, MANOVA, ordination methods and regression analysis. Focus will be on the practical application of techniques. Prerequisite: BIO 4750 or MAT 2250G; or permission of instructor.

**5400 BIO Cell Physiology. (3-3-4)** A study of the fundamental physical and chemical processes which underlie cellular structure and function. Prerequisite: BIO 3520 and one course in organic chemistry.

**5402 BIO Advanced Plant Physiology I, Plant Growth and Development. (2-3-3)** The growth and development of seed plants from germination through maturation with emphasis on water relations, nitrogen metabolism, and environmental influences. Prerequisite: BIO 3510 and CHM 2430; biochemistry recommended.

**5404 BIO Advanced Plant Physiology II, Metabolism. (2-3-3)** The principles of photosynthesis, respiration, and organic translocation. Prerequisite: BIO 3510 and CHM 2430; biochemistry recommended.

**5406 BIO Endocrinology. (3-3-4)** A study of endocrine glands and mechanisms of hormone action. Prerequisite: BIO 3520 and CHM 2430.

**5452 BIO Ethnobotany. (3-0-3)** The basic principles of the relationships of plants and man. Prerequisite: Six semester hours of botany.

**5900 BIO Research in Biological Sciences. (Arr.-Arr.-1 to 6) (Credit/No Credit)** Intended for thesis option students conducting original research in consultation with a thesis advisor. May be repeated for a maximum of eight semester hours. NOTE: A maximum of nine semester hours in combination of 5900, 5950, and 5990 may be applied to the graduate degree. Students not writing a thesis are ineligible to register for this course. Prerequisite: Completion of the thesis proposal form and permission of the Coordinator, Biological Sciences Graduate Program Committee.

**5950 BIO Thesis. (Arr.-Arr.-3 or 6) (Credit/No Credit)** May be repeated for credit up to six semester hours. NOTE: For thesis option students, a maximum of nine semester hours in a combination of 5900, 5950, and 5990 may be applied to the graduate degree.

**5980 BIO Graduate Internship in Biological Sciences. (Arr.-Arr.-6) (Credit/No Credit)** A graduate-level employment experience in the biological sciences with an agency, firm or facility approved by a faculty advisor and the coordinator of the Biological Sciences Graduate Program Committee. A written report on the internship experience is required. Prerequisite: At least 20 semester hours of graduate credit in the Biological Sciences Graduate Program. NOTE: May not be repeated for credit. For internship option students, a maximum of nine semester hours in a combination of 5980 and 5990 may be applied to the graduate degree.

**5990 BIO Independent Study. (Arr.-Arr.-1 to 6) (Credit/No Credit)** Advanced studies in a selected field of the biological sciences other than the thesis or internship. May be repeated for a maximum of six semester hours of credit. NOTE: Students who do not write a thesis must apply a maximum of three semester hours of credit toward the graduate degree.

## BUSINESS ADMINISTRATION Graduate Courses

(Courses numbered 5100 and above are open only to students who have been admitted to the M.B.A. degree program.)

**5005 MBA Quantitative Analysis. (3-0-3)** Designed to provide students with skills in quantitative techniques necessary for advanced work in functional areas of business administration. Prerequisite: MAT 1270 or satisfactory placement score.

**5010 MBA Essentials of Accounting. (3-0-3)** An introduction to financial and managerial accounting within the framework of an information systems approach. Not open to students working toward or having a B.S. in Business degree or a B.S. Education degree with a major in Business Education.

**5500 MBA Quantitative Modeling. (3-0-3)** A study of practical statistics and operations research topics using spreadsheet models. Statistical concepts include confidence intervals, hypothesis testing, chi-square tests, t-tests, ANOVA's, and correlation analysis. Operations research topics will integrate finance, marketing and operation management models using spreadsheets. Prerequisite: Admission to the MBA degree program, and all Phase I courses.

**5510 MBA Business Research Methods. (3-0-3)** A comprehensive study of the theory and practice of research methodology in business disciplines. The basic tools of business research, including the various research techniques and methodologies, are utilized. A completed individual research project is required. Prerequisite: BUS 2810 and admission to the MBA degree program.

**5520 MBA Strategic Human Resource Management. (3-0-3)** A comprehensive study of personnel programs and their management in formal organizations; research into the operation of personnel management. Prerequisite: BUS 3010 and admission to the MBA degree program.

**5530 MBA Communication Analysis. (3-0-3)** The course emphasizes the importance of effective principles of communication at the organizational level. The communication audit process will be used as a research tool to investigate practices in organizations in order to make recommendations for improving the organization's communication processes and systems. Prerequisite: Admission to the MBA degree program.

**5540 MBA International Business. (3-0-3)** Intensive study of contemporary problems, issues, trends, and development in international business. Prerequisite: Completion of Phase I courses and admission to the MBA program.

**5550 MBA Marketing Management. (3-0-3)** Analysis of the strategic marketing problems confronting managers in the evaluation of marketing opportunities, selection of target markets, development of marketing strategies, planning of marketing tactics, and implementation and control of the marketing effort. Prerequisite: BUS 3470 and admission to the MBA degree program.

**5605 MBA Managerial Accounting Control. (3-0-3)** An overview of management accounting with an emphasis on planning and control. Topical coverage includes product costing, cost allocation, cost behavior, budgeting, and relevant costs. Students use technical problem solving skills to investigate current managerial issues. Investigation of these real-world issues expose students to the multi-faceted objectives of managers and the resulting implications for information gathering and decision making. Prerequisite: BUS 2102 and admission to the MBA degree program.

**5640 MBA Financial Management. (3-0-3)** An investigation of the firm's acquisition and financing activities, to include working capital management, capital budgeting, capital structure strategies, and valuation theory. The practical application of financial policy is stressed for decision-making purposes. Prerequisite: BUS 3710, BUS 2810, and admission to the MBA program.

**5660 MBA Operations Management. (3-0-3)** An integrative course that is concerned with the production and distribution of goods and services. Topics that are covered in depth are operations strategy, service and product design, quality, lean manufacturing management, supply chain management and integrative technologies in operations. Cases are used to analyze situations, and to understand the impact of operations on other functional areas. Prerequisite: BUS 3950 and admission to the MBA degree program.

**5670 MBA Management Information Systems. (3-0-3)** An examination of managerial problems related to computer-based information systems. The students will examine system and control theories and related issues of analysis, design, development, and implementation of management information systems. Prerequisite: Admission to the MBA degree program.

**5680 MBA Organizational Behavior and Group Dynamics. (3-0-3)** Organizational and business application of theory and research in individual differences, interpersonal relations, and small group dynamics. Prerequisite: BUS 3010 and admission to the MBA degree program.

**5880 MBA Seminar in Business Administration. (3-0-3)** Intensive study of contemporary problems, issues, trends and developments in accounting, marketing, finance, organizational theory, communication, or information systems. May be taken twice for credit. Prerequisite: Completion of corresponding Phase I course on topic being offered and admission to the MBA degree program.

**5890 MBA Administrative Policy. (3-0-3)** The focus of this course is on strategic management and top management functions and responsibilities. Emphasis is on integration of business functions. This course is designed to develop student's capacity to think strategically about a company, its present business position, its long-term direction, its resources and competitive capabilities. It develops students' managerial judgment, builds their skills in assessing business risk, and improves their ability to create results oriented action plans. Prerequisite: Completion of 21 hours of Phase II (Graduate) course work and admission to the MBA degree program.

**5950 MBA Thesis. (Arr.-Arr.-3 to 6) (Credit/No Credit)** The development of the method of attack and the execution of a formal research study. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5980 MBA Internship in Business Administration. (Arr.-Arr.-1 to 12) (Credit/No Credit)** An approved employment experience in an appropriate organization. NOTE: A maximum of three semester hours may be applied to the MBA degree program. Prerequisite:

Approval of the appropriate chairperson(s) and admission to the MBA degree program.

**5990 MBA Independent Study. (Arr.-Arr.1 to 6)** Intensive investigation of a topic in cooperation with an approved instructor. Enrollment is by application. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: Graduate standing, consent of approved instructor and approval of a completed application by the department chair prior to registration.

## CAREER AND ORGANIZATIONAL STUDIES

### Courses Open to Juniors, Seniors, and Graduate Students

**4800 COS Strategies and Processes of Teaching and Training. (3-0-3)** Application of strategies of teaching and training, presentation skills, lesson planning, and instructional technologies such as experiential learning, problem solving, simulation, computerized instruction, and lecturettes for vocational teachers and human resources development trainers.

**4810 COS Principles of Career Development. (3-0-3)** The nature, purpose, and philosophy of career education as it relates to the career development of individuals. Includes an overview of various levels of career development and the contributions various programs make to a total program of career development. Contemporary problems and issues in career development.

**4820 COS Sociotechnical Design. (3-0-3)** A study, from the worker's perspective, of how technology affects social processes in occupational environments; human resource development; socio-technical and open system theories; diagnosing occupational systems; change strategies; and the worker's adaptation of occupational settings to changing environmental demands. Prerequisite: Three semester hours in psychology, sociology or management, or permission of the program director.

**4830 COS Occupational Perspectives: Past, Present and Future. (3-0-3)** This course involves the study of the nature of organizations from varying perspectives including historical, philosophical, technological, psychological and sociological with prospects and directions for the future. Prerequisite: Six semester hours of education, sociology and/or history, or permission of the program director.

**4840 COS Training Program Development. (3-0-3)** In-depth study of the establishment and operation of training programs of human resource development in the public or private sectors with emphasis on needs assessment, program design, proposal preparation, staffing, fiscal budgeting and monitoring, fiscal justification, program evaluation, impact assessment, and applied legalities. Prerequisite: COS 4800 plus six semester hours in other COS course work.

**4850 COS Special Topics in Career and Organizational Studies. (Arr.-Arr.-1 to 3)** A study of special topics regarding: instructional systems design and development; emerging audio/visual technology such as interactive laser video, distance learning; advancing andragogical foundations of experiential learning, critical thinking and small group learning; human resource development; and other specialized topics as they emerge.

**4860 COS Facilitating Learning and Project Groups. (3-0-3)** People at all organizational levels accomplish their work alongside and through others. A fundamental workplace competency is the capacity to facilitate learning and project groups. Participants will practice facilitation principles and strategies, including how to deal with common facilitation problems.

**4870 COS Developing Critical Thinking in the Workplace. (3-0-3)** People in the workplace are increasingly expected to think critically about their work rather than simply follow a supervisor's instructions. Participants will explore and apply principles of critical thinking to the workplace, classroom, and training room.

**4880 COS Productive Work Teams. (3-0-3)** The multiple roles and responsibilities needed to function effectively in productive work teams are stressed by being a member of class teams and studying teams. This highly experiential, research-based, and applications-oriented course emphasizes assessment of self, team effectiveness, and organizational readiness for teams.

**4890 COS Accelerated Learning and Training. (3-0-3)** This researched-based, applications-oriented, highly experiential course connects research to practice by using accelerated learning (AL) principles to accelerate learning and training. Proven AL methods are practiced in the class. Brainbased research, learning theory, and AL best practices are used as the basis for designing and facilitating learning.

## CAREER AND TECHNICAL EDUCATION

### Courses Open to Juniors, Seniors, and Graduate Students

**4913 CTE Organization and Administration of Cooperative Occupational Education. (3-0-3)** Introduction to cooperative education programs, program needs, resources, constraints, public relations, and policy development are analyzed.

**4923 CTE Coordination Techniques for Cooperative Occupational Education. (3-0-3)** Methods and techniques for preparation of teacher coordinators. Student selection, training agreements, training plans, legal requirements, related class management, individualized instruction, and program evaluation are emphasized.

## CHEMISTRY

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 CHM Environmental Chemistry. (3-0-3)** The chemistry of environmental processes and chemical contaminants in the hydrosphere, atmosphere, and biosphere; the impact of energy generation on the global environment; the toxicology of specific chemical compounds. Prerequisite: CHM 2730, CHM 3910 or permission of the instructor. CHM 3450 recommended.

**4760 CHM Advanced Metabolism. (3-0-3)** A continuation of CHM 3450 emphasizing mechanisms and control of enzyme action, energetic metabolic pathways, biosyntheses of nucleotides, carbohydrates, and lipids. Prerequisite: CHM 3450.

**4765 CHM Biochemistry Laboratory. (0-6-2)** Introduction to experimentation with biochemical systems, processes, and compounds including protein purification, enzyme kinetics, and recombinant DNA techniques. Prerequisite: CHM 2730 and 3450.

**4770 CHM Molecular Spectroscopy. (1-6-3)** Use of pulsed nmr, Fourier transform infrared, Raman, vibronic absorption, and time resolved laser induced fluorescence spectroscopy to determine molecular structure, force fields, and the dynamics of molecular motion and energy transfer processes. Prerequisite: CHM 3915 and 3920 or 5300 or concurrent enrollment in CHM 5300.

**4790 CHM Medicinal Chemistry. (3-0-3)** Basic principles of pharmacology, drug-receptor interaction, physicochemical properties

as related to biological activity; synthesis of medically important molecules including strategic considerations. Prerequisite: CHM 2840 or permission of instructor.

**4800 CHM Selected Topics in Chemistry. (Arr.-Arr.-1 to 3)** A course in a selected area of chemistry. May be repeated for credit if a different topic is taught. Prerequisite: CHM 3910 or permission of the instructor.

**4860 CHM Biochemistry III. (3-0-3)** Topics may include protein structure and function, enzyme mechanisms, transcription, DNA replication, regulation of DNA expression, and cellular signaling pathways. Prerequisite: CHM 4760 or CHM 3450 with consent of the instructor.

**4900 CHM Inorganic Chemistry II. (3-0-3)** A study of the structures and reactions of inorganic compounds with particular emphasis on chemical bonding and coordination theory. Prerequisite: CHM 2310, 3910 and 3920.

**4905 CHM Inorganic Chemistry Laboratory. (0-6-2)** A laboratory course emphasizing modern techniques in inorganic research including those for synthesis and characterization of important classes of inorganic compounds, kinetics studies, and photochemistry. Prerequisite or corequisite: CHM 4900. Prerequisite: CHM 4900

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 CHM Graduate Seminar I. (Arr.-Arr.-0)** Open only to students in M.S. in Chemistry program.

**5001 CHM Graduate Seminar II. (Arr.-Arr.-1)** A thorough literature search of a recent development in chemistry and the presentation of a talk based on this search. Prerequisite: CHM 5000 (three semesters).

**5002 CHM Introduction to Graduate Chemical Research. (1-0-1)** This course will provide instruction in the areas of laboratory safety, chemical literature, and ethics in science. Prerequisite: Admission to the graduate program in chemistry.

**5040 CHM Chemical Analysis for Natural Science Teachers. (2-1-3)** Designed for science teachers to provide practical experience in the design and implementation of laboratory experiments in chemical analysis. Prerequisite: Two semesters of college chemistry or permission of instructor. May be used for credit toward the M.S. in Natural Sciences degree only.

**5050 CHM Organic Chemistry for Natural Science Teachers. (2-1-3)** Designed to provide teachers with an understanding of the basic concepts of organic chemistry, especially as they apply to pre-college teaching. Everyday applications will be included. Prerequisite: Two semesters of college chemistry or permission of the instructor. May be used for credit toward the M.S. in Natural Sciences degree only.

**5070 CHM Advanced General Chemistry for Natural Science Teachers. (2-1-3)** A non-calculus based course focusing on topics such as chemical equilibrium, chemical kinetics, thermodynamics, and electrochemistry. Prerequisite: Two semesters of college chemistry or permission of the instructor. May be used for credit toward the M.S. in Natural Sciences degree only.

**5080 CHM Special Topics in Chemistry for Natural Science Teachers. (Arr.-Arr.- 1 to 3)** A course in a selected area of chemistry for science teachers. May be repeated for credit if a different topic is taught. May be used for credit toward M.S. in Natural Sciences degree only.

**5100 CHM Advanced Analytical Chemistry. (3-0-3)** A course covering advanced topics in chemical equilibrium and chemical instrumentation. Instrumental topics will include spectroscopic, chromatographic and electrochemical methods of analysis. Prerequisite: CHM 3780 and CHM 3920 or equivalent.

**5120 CHM Theoretical Inorganic Chemistry I. (3-0-3)** Modern theories of chemical bonding, magnetic properties and organometallic chemistry of the transition metals. Prerequisite: CHM 3920.

**5200 CHM Chemical Thermodynamics. (3-0-3)** A study of the laws governing the passage of energy from one chemical system to another and the transformation of energy from one form to another. Prerequisite: CHM 3920.

**5250 CHM Special Topics. (3-0-3)** A course in a selected area of physical, analytical, inorganic or biochemistry. May be repeated for credit if a different topic is taught. Prerequisite: CHM 3920 or permission of the instructor.

**5300 CHM Molecular Spectroscopy. (3-0-3)** A study of the quantum principles, theory and applications of microwave, IR, UV, and NMR spectroscopy. Prerequisite: CHM 3920; CHM 4770 is desirable.

**5350 CHM Organometallic Chemistry. (3-0-3)** The chemistry of compounds containing metal-carbon bonds with emphasis on fundamental organometallic reactions of s and p-complexes, homogeneous catalysis, polymerization, and activation of small molecules. Prerequisite: CHM 2840, CHM 3910, CHM 4900 or their equivalents; or permission of instructor.

**5400 CHM Physical Organic Chemistry. (3-0-3)** A course covering certain aspects of physical chemistry as related to organic molecules and their reactions. Prerequisite: CHM 2840 and 3920.

**5410 CHM Organic Mechanisms and Synthesis. (3-0-3)** A study of the mechanisms of reactions and methods of synthesis in organic chemistry. Prerequisite: CHM 2840.

**5460 CHM Advanced Biochemistry. (3-0-3)** Selected areas of biochemistry which may include mechanisms of biological processes, enzyme action, genetic and hormonal control, and metabolic cycles. Recent biochemical research will be emphasized through discussion of articles from primary journals. Prerequisite: CHM 4760 or 4860 or permission of instructor.

**5890 CHM Graduate Research. (Arr.-Arr.-1 to 6)** As arranged. Prerequisite: May be taken only after specific arrangements are made with the student's research advisor and the department chair.

**5950 CHM Thesis. (Arr.-Arr.-3) As arranged. (Credit/No Credit)**

**5990 CHM Independent Study. (Arr.-Arr.-1 to 6)** Selected problems based upon the student's background and interests. Prerequisite: Permission of instructor and department chair.

## COMMUNICATION DISORDERS AND SCIENCES

### Courses Open to Juniors, Seniors, and Graduate Students

**4760 CDS Voice Production and Disorders. (3-0-3)** Study of the normal voice function and the etiology and remediation of functional and organic voice disorders: pitch, intensity, quality, resonance, dysphonia, laryngectomy. Prerequisite: Admission to the major or permission of the instructor.

**4800 CDS Communication Modalities. (3-1-3)** Course will provide information on expressive, nonverbal communication systems (sign

language, and alternative and augmentative communication). These areas represent communication modes relevant to the practice of speech-language pathology. The lab will provide performance based application activities. Prerequisite: CDS 2200, 3100, 3200, 3700 or permission of the chair.

**4820 CDS Language and Literacy (2-0-2)** Course will address the oral-to-written language connection and the role of the speech pathologist in facilitating development of literacy skills. Assessment and intervention techniques will be included. Prerequisite: Admission to the major, CDS 2200, 3200; or permission of the chair.

**4850 CDS Independent Study. (Arr.-Arr.-1 to 6)** (May be repeated to maximum of six semester hours.) Independent directed study in speech, language, or hearing processes or disorders. Prerequisite: Graduate status and admission to the CDS graduate program.

**4900 CDS Clinical Practice. (Arr.-Arr.-1 to 2) (Credit/No Credit)** Supervised work with persons with a communication disorder. Prerequisite: Admission to the major, CDS 2100, 2200, 3100, 3200, 3700, 3900; a major GPA of 2.75 and a cumulative GPA of 2.50; or permission of the department chairperson. With permission of the department chairperson, students may repeat this course for credit. This course is available only during the Summer Session with permission of the department chair.

**4920 CDS Language and Literacy (2-0-2)** Course will address the oral-to-written language connection and the role of the speech pathologist in facilitating development of literacy skills. Assessment and intervention techniques will be included. Prerequisite: Admission to the major, CDS 2200, 3200, or permission of the chair.

### Graduate Courses

(Courses numbered 5400 inclusive may be taken by a senior whose grade point average is 3.00 or higher, with permission of the instructor and the Dean of the Graduate School. All other graduate courses are open only to students who have been admitted to the Graduate School as degree seeking candidates in the Communication Disorders and Sciences Program or by special permission of the chair.)

**5000 CDS Research Methods in Communication Disorders and Sciences. (3-0-3)** Introduction to descriptive and experimental research design in the field of communication disorders and sciences. Students will use research methods knowledge to find and critically evaluate therapy efficacy and treatment outcome research literature. Students will design and implement a clinical research project.

**5100 CDS Motor Speech Disorders. (3-0-3)** Advanced study of the neuromotor system responsible for speech. Content will include etiology and therapy for dysarthria, childhood and adult apraxia, cerebral palsy and other neuromotor and neuromuscular disorders. Prerequisite: CDS 4500 or permission of the instructor.

**5150 CDS Stuttering. (3-0-3)** Prominent etiological theories along with the development of stuttering are surveyed. Diagnostic and preventative procedures, along with the integration of prominent theories in the treatment of stuttering, are studied and evaluated. Prerequisite: Graduate degree seeking status or permission of the department chairperson.

**5200 CDS Developmental Syndrome Disorders. (2-0-2)** Developmental syndrome disorders will be defined and discussed in regard to genetic markers and resulting characteristics. Emphasis will be on speech-language-hearing impact. Disorder discussion will include diagnostic assessment, behavioral symptoms, and treatment programming alternatives presented through case examples and video segments. Prerequisite: Graduate status or permission of the chair.

**5250 CDS Advanced Study in Language Disorders. (3-0-3)** Course will include critical evaluation of assessment and treatment options for language-based learning problems and childhood/

adolescent language disorders, as well as examination of research models and data to guide choice of treatment variables and approaches. Prerequisite: Graduate status or permission of the chair.

**5300 CDS Acquired Language Disorders. (3-0-3)** A comprehensive study of acquired language disorders including aphasia and right hemisphere dysfunction following damage or deterioration in the cortical and subcortical zone(s) of language. Emphasis on assessment and treatment of acquired conditions. Prerequisite: Graduate status or permission of the chair.

**5350 CDS Cognitive-Communication Disorders (2-0-2)** A comprehensive study of acquired, cognitive-based language disorders including traumatic brain injury, related cognitive-communication sequelae, and dementia. Emphasis on assessment and treatment of cognitive-communication disorders. Prerequisite: Graduate status or permission of the chair.

**5400 CDS Special Topics. (2-0-2)** Intensive study of contemporary problems, issues, trends, and developments in the field of communication disorders. Prerequisite: Graduate degree-seeking status or permission of the department chairperson. May be repeated for a maximum of eight semester hours of credit.

**5500 CDS Dysphagia Management in Children and Adults. (3-0-3)** The study of mechanical/neurologic feeding and swallowing disorders in children and adults and discussion of assessment and direct/indirect treatment techniques for oropharyngeal swallowing impairment. Prerequisite: CDS 2500 or permission of the instructor.

**5600 CDS Professional Regulations and Issues in Speech-Language Pathology. (3-1-3)** Discussion of certification, licensure, rules and regulations, best practice patterns, current trends, and ethical issues in the practice of speech-language pathology in educational and medical settings. Lab will include observation experiences, guest speakers, and discussion. Prerequisite: Graduate degree seeking status or permission of the department chair.

**5800 CDS Grand Rounds in Communication Disorders. (3-0-3)** Case presentations for assessment, intervention, and discussion of general issues in specific communication disorder areas. Low incidence cases will be highlighted (e.g., cognitive, stuttering, acquired language, swallowing, as well as cases using augmentative techniques) to provide students with performance-based skill acquisition in a variety of communication disorder areas. Prerequisite: Graduate status and completion of graduate disorders courses (CDS 5100, 5150, 5200, 5250, 5300, 5350, 5500) or permission of the chair.

**5850 CDS Independent Study. (Arr.-Arr.-1 to 6)** Independent directed study in speech, language, or hearing processes or disorders. Prerequisite: Permission of the instructor and the department chair. NOTE: A maximum of nine semester hours may be earned in combination of 5850 and 5890.

**5890 CDS Thesis. (Arr.-Arr.-1 to 6) As arranged. (Credit/No Credit)** NOTE: A maximum of nine semester hours may be earned in a combination of 5850 and 5890.

**5900 CDS Advanced Clinical Practice. (Arr.-Arr.-1 to 3)** Supervised work with a variety of speech-language-hearing disorders. Prerequisite: Graduate degree-seeking status or permission of the department chairperson. NOTE: May be repeated for a maximum of six semester hours.

**5910 CDS Diagnostics in Speech-Language Pathology. (Arr.-Arr.-1)** Supervised diagnostic evaluations with a variety of speech-language-hearing disorders. Prerequisite: Graduate degree-seeking status or permission of the department chairperson. The course may be repeated for a maximum of 2 semester hours of credit.

**5920 CDS Audiology Clinical Practice. (Arr.-Arr.-1)** Supervised diagnostic evaluations and/or rehabilitation with a variety of auditory

disorders. Prerequisite: Graduate degree-seeking status or permission of the department chairperson.

**5970 CDS Educational Internship. (Arr.-Arr.-12) (Credit/No Credit)** Clinical experience in a school setting approved by the department. To be taken credit/no credit for a maximum of three semester hours applicable to the degree. Prerequisite: Acceptance by the educational internship site; completion of all CDS graduate course work except CDS 5890 and CDS 5980 and a grade of B or better in at least six semester hours of CDS 5900, 5910, 5920, or permission of the department chairperson.

**5980 CDS Medical Internship. (Arr.-Arr.-12) (Credit/No Credit)** Internship experience in a medical setting approved by the department. To be taken credit/no credit for a maximum of three semester hours applicable to the degree. Prerequisite: Acceptance by the medical and internship site; completion of all CDS graduate course work except CDS 5970 and CDS 5890 and a grade of B or better in at least six semester hours of CDS 5900, 5910, 5920 or permission of the department chairperson.

## COMMUNICATION STUDIES

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 CMN Advanced Theory of Mass Communication. (3-0-3)** Survey of legal procedures of broadcast law, a survey of audience analysis, the structure of mass communication audiences, propaganda, communication networks, social and self-regulation of the media, and current research. Prerequisite: CMN 2520 or graduate standing.

**4760 CMN Theories of Human Communication. (3-0-3)** An examination of contemporary theories and models.

**4765 CMN Communication in Families. (3-0-3)** An examination of communicative structure, function, and process among family members. The family system as a whole and major sub-systems (parent-child, siblings, spouses) are explored. Emphasis is on the role of communication in the construction, maintenance, and change of family relationships throughout the family lifecycle.

**4770 CMN Television Criticism. (3-0-3)** Students use a rhetorical base to analyze and evaluate television's critics and programs. Lectures, discussions, selected viewings, papers, and examinations. Prerequisite: Senior Standing.

**4800 CMN Contemporary American Public Address. (3-0-3)** Study of competing points of view on a series of critical issues of the Twentieth Century.

**4820 CMN Political Communication. (3-0-3)** This course examines the interactive role between public communications and politics. Students will study how communication is involved in the various aspects of campaigning for and fulfilling the duties of public office.

**4850 CMN Topics in Computer Mediated Communication. (3-0-3)** A detailed examination of specific theories and practices related to communication technology. Specific topics will vary according to student demand, availability, and interest of faculty. May be repeated with a change in course content. Prerequisite: CMN 2030, 3750 and 3752 or permission of instructor.

**4910 CMN Applied Health Communication. (3-0-3)** An examination of applied health communication in the interpersonal, organizational, and mediated contexts. Emphasis is on higher order application of skills from different occupational perspectives. Cross-listed with HST. 4910. Prerequisite: MNHST/CMN 3910 or consent of the instructor.

**4919 CMN Public Relations Techniques. (3-0-3)** Effective techniques of a public relations program including basic concepts

and principles of the public relations profession, the roles and functions, planning, managing, and executing campaigns.

**4920 CMN Case Studies in Public Relations Problems. (3-0-3)** Public relations case problems in industry, business, labor, education, government, social welfare and trade associations; the application of public relations techniques. Prerequisite: CMN 4820 or permission of the department chairperson. Credit not granted for both CMN 4920 and JOU 4920.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 CMN Introduction to Graduate Study and Research. (4-0-4)** Graduate students learn to analyze and critique scholarly research. An introduction to basic qualitative and quantitative research methods and procedures is included. Students are expected to conduct a research project. This course is required of all Communication Studies graduate students.

**5010 CMN Rhetorical Theory. (3-0-3)** A study of rhetorical theory from 465 B.C. to the present. This course is required of all Communication Studies graduate students.

**5020 CMN Communication Theory. (3-0-3)** An examination of major philosophical foundations in the study of human communication. Focus is on the role of paradigms in theory construction and the conduct of research. Contemporary issues in communication study are also addressed. This course is required of all Communication Studies graduate students.

**5150 CMN Seminar Interpersonal Communication. (3-0-3)** A detailed examination of specific theories in interpersonal communication. Specific topics will vary according to student demand, availability, and interest of faculty. May be repeated with a change in course content.

**5160 CMN Seminar in Mass Media. (3-0-3)** A theoretical study of aspects of Mass Communication requiring original research. Electronic media are emphasized. May be repeated once with a change in course content.

**5170 CMN Seminar in Organizational Communication. (3-0-3)** A detailed examination of specific theories in organizational communication. Specific topics will vary according to student demand, availability, and interest of faculty. May be repeated with a change in course content.

**5180 CMN Seminar in Rhetoric and Public Address. (3-0-3)** A course devoted to special issues and problems such as: free speech, ethics of mass communication, campaign rhetoric, and others. May be repeated once with a change in course content.

**5240 CMN Seminar in Teaching Speech. (3-0-3)** Objectives: problems, methods, materials in teaching college speech. An evaluated teaching unit is required. Prerequisite: Nine semester hours in Communication Studies or permission of the department chair.

**5500 CMN Techniques for Teaching Assistants in Speech Communication. (1-0-1) (Credit/No Credit)** Supervised experience for graduate teaching assistants in Communication Studies. Must be taken for both Fall and Spring semesters and may not be applied toward the degree in Communication Studies. Prerequisite: Enrollment limited to Graduate Teaching Assistants in Communication Studies.

**5510 CMN Interpersonal Communication. (3-0-3)** An exploration of current theory and research in interpersonal communication. Focus is on interpersonal communication structure and process

within the context of differing relational types and communication episodes.

**5520 CMN Social Interaction. (5620) (3-0-3)** Practical application of major communication theories. Prerequisite: CMN 5510 or permission of the instructor.

**5530 CMN Intercultural Communication. (3-0-3)** Students investigate various theories and approaches to the study of communication and culture across a variety of contexts.

**5610 CMN Media Criticism. (5330) (3-0-3)** A study of various critical approaches to the analysis of the medium of television. Consideration will be given to various methodological approaches to the study of the historical, economic, political, cultural, and sociological impact of television.

**5620 CMN Social Relations and Media Effects. (3-0-3)** The study of social relations, media, and effects both within professional media and between media institutions and the public. Students will analyze and critique professional media practices and discuss the effects of media systems and messages. Both normative and critical theory of media would be included.

**5630 CMN Computer-mediated Communication. (3-0-3)** A study of current trends in computer technology in society and organizations. Included is the impact of Internet information and commerce upon worldwide communication. An orientation to relevant hardware and software is included. Cross-listed with JOU. 5630.

**5630 CMN Computer-mediated Communication. (3-0-3)** A study of current trends in computer technology in society and organizations. Included is the impact of Internet information and commerce upon worldwide communication. An orientation to relevant hardware and software is included.

**5710 CMN Organizational Communication. (5520) (3-0-3)** An examination of how communication creates different types of organizations and how these organizations in turn direct and control employees' actions and communication.

**5720 CMN Seminar in Public Relations. (5220) (3-0-3)** Study of special topics in Public Relations. Practical applications of the principles of Communication Studies. May be repeated once with a change in course content.

**5730 CMN Communication Training and Development. (3-0-3)** An examination of how communication theories are used in the training environment. Emphasis is placed on the principles related to design, content, and delivery of programs that result in communication knowledge and skill development.

**5810 CMN Seminar in American Public Address. (5210) (3-0-3)** Seminar examining key issues in American life, from the Colonial Period to the present, as reflected in oratory aimed at influencing governmental, religious, political, and social decisions. May be repeated once with a change in course content.

**5820 CMN Rhetorical Criticism. (5310) (3-0-3)** An examination in depth of the purposes, practices, models and applications of various analytical approaches to communication criticism.

**5830 CMN Applied Criticism (3-0-3)** This course will engage students in the extensive practice of rhetorical criticism. Students will learn a variety of approaches to studying mediated texts such as speeches, essays, and other kinds of direct address to audiences.

**5900 CMN Instructional Practicum (Arr.-Arr.-3)** Students learn and apply pedagogy skills in a supervised setting. Prerequisite: Students must have completed 10 hours of CMN courses and maintain degree seeking status.

**5920 CMN Creative Project (Arr.-Arr.-3) (Credit/No Credit)** Students engage in a project with an applied communication focus

that reflects a thorough understanding of communication theory and research. NOTE: a maximum of six semester hours may be earned in a combination of 5920, 5950, 5990, and/or 5997.

**5940 CMN Creative Thesis. (Arr.-Arr.-3-6)** Students engage in a capstone project with an applied communication focus that reflects a comprehensive understanding of communication theory and research. NOTE: a maximum of nine semester hours may be earned in a combination of 5920, 5940, 5950, and/or 5997.

**5950 CMN Thesis. (Arr.-Arr.-3 to 6) As arranged. (Credit/No Credit)** NOTE: A maximum of six semester hours may be earned in a combination of 5920, 5950, 5990 and/or 5997.

**5980 CMN Internship (Arr.-Arr.-9)** Students practice teaching in a supervised community college classroom. Prerequisite: Students must have completed 28 hours of CMN courses and maintain degree seeking status. Approval of the Graduate Coordinator required.

**5990 CMN Independent Study (Arr.-Arr.-1 to 6)** The study of and report on a specific problem in speech. Student presents an individual study plan for researching history, theory, and/or practice of speech. Approval of the independent study plan must be obtained prior to enrollment. NOTE: A maximum of six semester hours may be earned in a combination of 5950, 5990 and/or 5997.

**5997 CMN Study Abroad (Arr.-Arr.-3 to 6)** Special permission of the department. NOTE: A maximum of six semester hours may be earned in a combination of 5920, 5950, 5990 and/or 5997. Prerequisite: Permission of the Department Chairperson.

## COUNSELING AND STUDENT DEVELOPMENT

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School. Courses numbered 5540 and above are open only to students who have been admitted to the Department of Counseling and Student Development or who have permission of the Department Chair.)

**5100 CSD Counseling the Mature and Aged Person. (3-0-3)** Counseling techniques and practice in dealing with problems pertaining to the fulfillment of life in later years. Lifestyle changes of middle and later years are included.

**5200 CSD Counseling Girls and Women. (3-0-3)** The course is designed to promote a more comprehensive understanding of females' psychological and social development and issues involved in counseling them. Special skills in counseling females will be studied both didactically and experientially.

**5400 CSD Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with EDA/EDU/ELE/MLE/SED/SPE/STG 5400. Prerequisite: Admission to the Graduate School.

**5490 CSD Special Topics (Arr.-Arr.-1 to 3)** Provides the student an opportunity for investigation and analysis of educational problems of a significant nature. May be repeated for a total of six semester hours credit.

**5500 CSD Research Methods. (3-0-3)** This course is designed to introduce students to quantitative and qualitative methods of research in the counseling and student affairs profession. The course has two purposes: 1) to develop informed consumers of research; and 2) to develop in students an appreciation of research and its application in counseling and student affairs.

**5510 CSD Professional Orientation. (3-0-3)** This course provides an orientation to the counseling profession. Areas covered include an understanding of all aspects of professional functioning such as history of the profession, roles, organizational structures, preparation standards, credentialing, legal and ethical issues, and the emerging use of technology within the counseling field.

**5520 CSD Theories of Counseling. (3-0-3)** This course provides a survey of major theories of counseling. Areas covered include history of each theory, theory of personality development, theory of counseling application, research, and use with diverse groups.

**5530 CSD Pre-Practicum. (3-0-3)** A course in the application of theories with emphasis upon developing knowledge and skills expected of the professional counselor.

**5600 CSD Cross-Cultural Counseling. (3-0-3)** This course is designed to provide an introduction to and an overview of, the challenges and processes of counseling clients in our culturally diverse society. Factors will include race, culture, ethnicity, gender, sexual orientation, mental and physical characteristics. Special emphasis will be placed on becoming aware of one's own culture in order to view the client's world. Prerequisite: CSD 5500, 5510, 5520, 5530, or by permission of chair.

**5610 CSD Human Development for Counselors. (3-0-3)** This course is designed to provide students with an understanding of the nature and needs of individuals at all development levels. It is based on life-span theories of development, which assume that there is a developmental logic to behavior. The course will help counselors assess and understand their clients' developmental processes and provide appropriate strategies to help clients work through issues that block growth and adaptation. Major theories, concepts, and principles related to physical, psychological, cognitive, moral, spiritual, emotional, self, and cultural development will be examined. Prerequisite: CSD 5500, 5510, 5520, 5530, or by permission of chair.

**5620 CSD Group Counseling. (3-0-3)** This course is designed to provide both theoretical and experiential understanding of the group counseling purpose, development, dynamics, counseling theories, group counseling methods and skills, and other group approaches. Prerequisite: CSD 5500, 5510, 5520, and 5530, or by permission of chair.

**5630 CSD Practicum. (3-0-3)** This course provides for the development of counseling skills under supervision within a student's program of study. Prerequisite: CSD 5500, 5510, 5520, and 5530; and CSD 5600, 5620, 5930 or 5940, which may be taken concurrently with 5630 with a grade of B or better in 5530 and approval of the departmental chair.

**5640 CSD Play Therapy. (3-0-3)** The importance of play in education; discussion of theories and values of play; using play as therapeutic treatment.

**5700 CSD Foundations of Student Affairs in Higher Education. (3-0-3)** A study of personnel functions affecting students in higher education including admissions, financial aid, housing, student activities, counseling, and placement.

**5710 CSD Leadership and Administration in Higher Education. (3-0-3)** A study of student personnel functions and leadership strategies. Attention to the history, ethical and legal issues, staff development programs, management and evaluation.

**5715 CSD Individual and Group Intervention in Student Affairs (3-0-3)** This course will acquaint students with studies of techniques and methods of interviewing, helping skills, and assessing, designing, and implementing developmentally appropriate interventions with individuals and organizations in Student Affairs.

**5720 CSD Student Development Theory. (3-0-3)** Develops a working knowledge of the concepts supporting accepted and

emerging theories of student development in college. An emphasis is placed on the application of theory to practice.

**5730 CSD History and Philosophy of Higher Education. (3-0-3)** Course explores the evolution of higher education primarily in the United States with special attention to forces that have shaped its development including the history of critical philosophical debates and issues about the nature and role of higher education. Cross-listed with EDF 5730.

**5735 CSD Multicultural Competence in Higher Education (3-0-3)** This graduate level course will acquaint students with competency skills deemed necessary for the successful practice of student affairs administration in multicultural/diverse higher education institutions. Characteristics, policies, practices and organizational dynamics of higher education institutions that affect the delivery of services and programs for all members of the higher education community will be identified.

**5740 CSD Consultation Skills and Organizational Development. (3-0-3)** A study of professional level consultation and theory, research, and skills designed to prepare counselors, administrators, psychologists, and management personnel for entry into consultation functions with faculties, administrative staff, work force, and management systems.

**5750 CSD Governance and Finance in Higher Education. (3-0-3)** Introduces governance, administrative, financial and budgetary information and activities relevant to the operation of institutions of higher education. Focus on developing budgeting and planning skills to be used in administrative positions.

**5760 CSD Legal Issues in Student Affairs. (3-0-3)** Adequate preparation as a higher education professional requires that students be exposed to a variety of legal components affecting higher education. This course is designed to acquaint entry level student affairs practitioners with fundamental legal issues that influence the functioning of colleges and universities.

**5770 CSD The Community College. (3-0-3)** This course examines the historical, social, and political contexts of the two-year college in American Higher Education. Other topics include governance, leadership, curriculum, co-curriculum, students, staff, and faculty.

**5780 CSD College Teaching. (3-0-3)** The focus of the course is to develop and refine instructional knowledge, skills, and sensibilities to college-level teaching.

**5790 CSD Technology in Student Affairs. (3-0-3)** The uses of technology for forecasting, budgeting, program planning, communication, policy analysis and resource allocation in Student Affairs will be explored. Automated information systems are also discussed extensively in terms of Student Affairs applications.

**5880 CSD Internship in Student Affairs. (Arr.-Arr. 3 to 6)** Supervised experience in all services normally considered as part of student affairs work. NOTE: Students must enroll for three semester hours in each of two consecutive semesters. A maximum of six semester hours of internship may be applied to this degree. Prerequisite: CSD 5700 or permission of the department chair.

**5900 CSD Appraisal. (3-0-3)** This course is designed to provide an understanding of individual and group approaches to assessment and evaluation. Prerequisite: CSD 5500, 5510, 5520, 5530, or by permission of chair.

**5920 CSD Career Counseling. (3-0-3)** This course is designed to provide an understanding of career development and related life factors. Special emphasis will be placed on counseling processes designed to assess and assist individuals with career development problems and/or issues. Prerequisite: CSD 5500, 5510, 5520, 5530, or by permission of chair.

**5930 CSD Foundations of Community Counseling. (3-0-3)** This course will acquaint students with current issues in the field of

community counseling. It will include characteristics of human service programs and their clients, functions of human service programs, and training and documentation requirements. Prerequisite: CSD 5500, 5510, 5520, 5530 or permission of the department chair.

**5940 CSD Foundations of School Counseling. (3-0-3)** The purpose of this course is to introduce and provide students with a knowledge of school counseling and to assist students in developing their own professional identity as school counselors. Prerequisite: CSD 5500, 5510, 5520, 5530 or permission of the department chair.

**5945 CSD Management of School Counseling Programs. (3-0-3)** This course will focus on building the knowledge and skills necessary to develop and manage comprehensive school counseling programs. This course builds on previous knowledge of school counselor roles and functions and aims to help students integrate these roles in approaching their future work as school counselors. Prerequisite: CSD 5500, 5510, 5520, 5530, 5940 or permission of the department chair.

**5950 CSD Thesis and Research. (Arr.-Arr.-3 to 6) (Credit/No Credit)** As arranged. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: Permission of the department chair.

**5960 CSD Family Counseling. (3-0-3)** This course is designed to serve as an introduction to theories of family dynamics and to survey methods of couple and family counseling. Students will be exposed to a rationale for selecting family and other systems theories as appropriate modalities for family assessment and counseling. Prerequisite: CSD 5500, 5510, 5520, 5530 or permission of the department chair.

**5970 CSD Counseling the Chemically Dependent. (3-0-3)** This course is an introduction to the field of counseling the chemically dependent. The topics to be covered are: ethics, cultural diversity, gender issues, the chemicals of abuse, theories of addiction, assessment and intervention, impact of addiction on families, adult children of alcoholics, counseling techniques and treatment modes, Alcoholics Anonymous, Alanon, relapse prevention, employee and student assistance programs, and harm reduction. Prerequisite: CSD 5500, 5510, 5520, 5530, or permission of the department chair.

**5980 CSD Clinical Diagnosis and Treatment Planning. (3-0-3)** This course will acquaint students with descriptive, research-based clinical knowledge that contributes to the diagnosis and treatment of mental disorders. Students will also become familiar with the current Diagnostic and Statistical Manual of Mental Disorders (DSM) of the American Psychiatric Association and its use in clinical practice. Prerequisite: Abnormal Psychology (at the undergraduate or graduate level), CSD 5500, 5510, 5520, 5530 or permission of the department chair.

**5990 CSD Independent Study. (Arr.-Arr.-1 to 6)** An intensive study in some specialized area of interest in Counseling or College Student Affairs. The student must present an individual study plan for approval. A maximum of nine semester hours may be earned in a combination of 5950 and 5990. Prerequisite: Permission of the department chair.

**6880 CSD Consultation Skills and Organizational Development. (3-0-3)** Discussion of current supervision problems and trends in guidance. Critical examination and evaluation of current literature in the field. May be repeated for credit. Prerequisite: Permission of the department chair.

**6900 CSD Internship. (Arr.-Arr.-3 to 6)** Internship is a six hundred hour supervised clinical course involving client contact experiences and systematic feedback and reflection. This course provides students with the necessary practice skills and conceptual preparation for entry into the profession. Prerequisite: Completion of CSD 5630 with a grade of B or better and approval of the department chair. NOTE: Students must make a B or better in the final three (3) hours of internship before graduating.

**6910 CSD Field Study in Guidance. (Arr.-Arr.-3 to 6)** Supervised research project in all services normally considered part of guidance programs. Prerequisite: Permission of the department chair.

**6920 CSD School Counseling Internship. (Arr.-Arr.- 3 to 6)** Internship is a six hundred hour supervised experience in all services normally considered a part of a comprehensive developmental guidance program. Prerequisite: Completion of CSD 5630 with a grade of B or better and approval of the Chair. NOTE: Students must make a B or better in the final three (3) hours of internship before graduating.

## EARTH SCIENCE

### Courses Open to Juniors, Seniors, and Graduate Students

**4900 ESC. Earth Science Field Experience for Teachers. (2-6-5)** Introduction to and field investigations of earth materials and resources, geological and geomorphological processes, and their historical relationships. Prerequisite: Teaching certificate or permission of the instructor.

**4950 ESC. Earth Science Field Experience Research for Teachers. (Arr.-Arr.-1 to 3)** Research on specific topic or topics developed while enrolled in ESC 4900. Prerequisite or Corequisite: ESC 4900.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5031 ESC The Earth for Natural Science Teachers. (2-1-3)** Examination of earth materials, nature and characteristics of minerals and rocks, soils, and agents that shape the face of the earth—rivers, glaciers, wind, waves and currents, subsurface waters; earth's internal structure and composition, earthquakes and volcanic activity and continental drift and plate tectonics. Field and laboratory work included. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5032 ESC Evolution of the Earth for Natural Science Teachers. (2-1-3)** A geologic study of life forms and land forms. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5033 ESC The Hydrosphere for Natural Science Teachers. (2-1-3)** A study of aspects of the water cycle on planet Earth. Special emphasis will be given to the importance of water to the distribution of plant and animal life, its effect on landforms and its importance as a resource for human populations. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5034 ESC Atmosphere for Natural Science Teachers. (2-1-3)** A systematic survey of the dynamic nature of earth's atmosphere. Provides a background of global weather and climatic patterns. Topics include earth-sun relations, temperature, precipitation, air pressure, air masses, jet streams, severe weather such as thunderstorms, tornadoes, and hurricanes, climatic classification, and climate change. Contemporary issues of atmospheric forecasting methodology are addressed. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5035 ESC Field Methods in Earth Sciences for Natural Science Teachers. (Arr.-Arr.-3)** Field investigation of selected physiographic provinces, earth materials, earth resources, geological and geomorphological processes, their origins, environmental significance and importance to human systems. Credit not granted for SCI/ESC 5035 and ESC 4900 or ESC 4950. Prerequisite:

Enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5036 ESC Laboratory Methods in Earth Sciences for Natural Science Teachers. (1-4-3)** Use of laboratory instrumentation to measure and analyze earth materials. Special emphasis will be placed on the value of laboratory methods in identifying earth materials and solving problems in the earth sciences. Prerequisite: SCI/ESC 5032 or SCI/ESC 5035, enrollment in the M.S. in Natural Sciences degree program or consent of instructor.

**5037 ESC Special Topics in Earth Sciences for Natural Science Teachers. (Arr.-Arr.-1 to 3)** Intensive investigation of relevant topics of student/faculty interest. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program and consent of instructor.

**5500 ESC Advanced Earth Science Field Experience for Teachers. (Arr.-Arr.-1 to 6)** Field excursion to selected physiographic regions in the U.S. Regional field studies in geomorphology, historical geology, structure, hydrology, and climatology. Land use and modification by humans will also be addressed. Prerequisite: Successful completion of ESC 4900 or equivalent experience.

**5590 ESC Special Topics. (Arr.-Arr.- 1 to 6)** Readings, discussion, reports, on-campus fieldwork about specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is taught. Cross-listed with GEG/GEL. 5590. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

**5990 ESC Independent Study. (Arr.-Arr.- 1 to 6)** Individual study under faculty supervision on a topic selected by the student, in consultation with the faculty. Readings, discussion, reports, on-campus and/or off-campus fieldwork on specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is pursued. Cross-listed with GEG/GEL. 5990. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

## ECONOMICS

### Courses Open to Juniors, Seniors, and Graduate Students

(It is strongly recommended that students complete MAT 2110G and 2120G before enrolling in Economics courses numbered 4750 and above.)

**4751 ECN Managerial Economics. (3-0-3)** The application of economic theory and method to managerial decision making. Prerequisite: ECN 2802G and BUS 2810, or ECN 3971, or permission of the instructor.

**4801 ECN Intermediate Macroeconomic Theory. (3-0-3)** Analysis of the determination of national income, employment, wages, and factors affecting inflation and growth. Prerequisite: ECN 2802G.

**4802 ECN Intermediate Microeconomic Theory. (3-0-3)** Analysis of product and factor price theory under alternative market classifications. Prerequisite: ECN 2802G.

**4803 ECN Mathematical Economics. (3-0-3)** The application of mathematical tools to economics. Various economic theories are formulated in a mathematical framework. Prerequisite: ECN 4802 or permission of the instructor.

**4813 ECN Transition Economies. (3-0-3)** A descriptive analysis of the economic structure of the evolving new nations after the breakup of the Soviet Union and Soviet Bloc, with an additional analysis of why the breakup occurred. Prerequisite: ECN 2802G or permission of the instructor.

**4840 ECN Money and Banking. (3-0-3)** Money and banking in the modern economy; history and theory of monetary policy. Prerequisite: ECN 2802G.

**4850 ECN Economic Analysis of Law. (3-0-3)** Economic analysis of the major areas of law: property, contracts, torts, criminal law. Emphasis on study of economic forces in the evolution of the rule of law and application of economic reasoning techniques to the critique of legal institutions. Examination of conflicts between economic efficiency and other social goals such as fairness, democracy, and justice. Prerequisite: ECN 2802G.

**4861 ECN International Economic Problems. (3-0-3)** Current international economic problems; balance of payments adjustment; exchange rate policy; international monetary mechanism. Prerequisite: ECN 3860 or permission of the instructor.

**4875 ECN Area Studies. (3-0-3)** A study of economic conditions and development problems in a specific geographical area such as Tropical Africa, Middle East, or Latin America. The topic will vary from semester to semester; the course may be repeated with each change of topic. Prerequisite: ECN 2802G or permission of the instructor.

**4890 ECN Topics in Labor Economics. (3-0-3)** Topics in contemporary labor economics such as labor history, collective bargaining, labor law, poverty, compensation structure, discrimination, and wage differentials. May be repeated once for credit with change in topic. Prerequisite: ECN 2802G or permission of the instructor.

**4900 ECN Issues in Economics. (3-0-3)** An analysis of selected economic problems. Topics to be announced. May be repeated once for credit with change in topic. Prerequisite: ECN 2802G and senior or graduate standing or permission of the instructor.

**4950 ECN Independent Study. (Arr.-Arr.-2 or 3)** Independent study in economics. Designed for individual student needs at either the undergraduate or graduate level. Prerequisite: ECN 2802G and pre-registration conference with the department chair.

**4973 ECN Introduction to Econometrics. (3-0-3)** A study of regression estimations, tests and predictions, estimation problems and remedies, simultaneous equations systems with application to economics. Prerequisite: ECN 3972, MAT 2110G and 2120G, or permission of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5001 ECN Essentials of Economics. (3-0-3)** Accelerated study of the elements of macroeconomic and microeconomic theory. The course also covers discussion of economic application of theory in public policy. This course is not open to students working toward a B.A. in Economics, a B.S. in Business or a B.S. in Education with a major in Business Education. Prerequisite: Graduate standing.

**5401 ECN Advanced Macroeconomic Theory. (3-0-3)** Advanced analysis of determination of income, employment, investment, and wages; inquiry into the nature of equilibrium and equilibrating process. Prerequisite: ECN 4801 or permission of the instructor.

**5402 ECN Advanced Microeconomic Theory. (3-0-3)** A development of value and distribution theories. Detailed analysis of the reactions of consuming and producing units. Prerequisite: ECN 4802 or permission of the instructor.

**5421 ECN Seminar in Recent History of Economic Thought. (3-0-3)** A study to acquaint students with the best minds that exerted themselves on economics as a body of scientifically developed

propositions since 1900. Prerequisite: ECN 4520 and/or permission of the instructor.

**5441 ECN Seminar in Monetary Theory. (3-0-3)** Critical inquiry into the nature of the demand for money and the effect of monetary policy on national income and employment. Prerequisite: ECN 4840 or equivalent.

**5451 ECN Seminar in Public Finance. (3-0-3)** A study of the relationship between the public sector and the rest of the economy. Prerequisite: ECN 4801 and 4802.

**5461 ECN Seminar in International Economics. (3-0-3)** A study of the pure and monetary theories of international economics. Prerequisite: ECN 3860 or permission of the instructor.

**5471 ECN Seminar in Economic Development. (3-0-3)** A study of the theories and institutions of development and underdevelopment. Prerequisite: ECN 4570 or permission of the instructor.

**5481 ECN Seminar in Public Control of Industry. (3-0-3)** Selected problems of economic policy arising from the interrelations of government and business with emphasis on maintaining competitive enterprise. Prerequisite: ECN 3880 and/or permission of the instructor.

**5491 ECN Seminar in Labor Economics. (3-0-3)** A study of current labor problems and issues. Prerequisite: ECN 3890 and/or permission of the instructor.

**5493 ECN Economics of Human Resources. (3-0-3)** A study of current problems in the areas of human development and utilization. Prerequisite: ECN 3890 and/or permission of the instructor.

**5900 ECN Research Methods. (3-0-3)** Methodology in Economics. Research design including hypothesis formation, errors in economic data, selection of research method, and proposal writing. Prose in economics.

**5950 ECN Thesis. (Arr.-Arr.-3 to 6) (Credit/No Credit)** NOTE: A maximum of nine semester hours may be earned in a combination of 5950, 5980, and 5990.

**5960 ECN Economics Graduate Forum. (1-0-1)** With guidance of a faculty advisor, panels of 2 - 3 students research a current issue in economics and make an oral presentation to a panel of graduate faculty. Prerequisite: 12 semester hours of graduate credit in economics.

**5980 ECN Internship in Economics. (Arr.-Arr.-1 to 3) (Credit/No Credit)** May be repeated for a second semester. Supervised internship in a private business or a government agency. Prerequisite: Graduate standing and approval of the chair. A maximum of nine semester hours may be earned in a combination of 5950, 5980, and 5990.

**5990 ECN Independent Study. (Arr.-Arr.-1 to 6)** NOTE: A maximum of nine semester hours may be earned in a combination of 5950, 5980, and 5990. Prerequisite: Pre-registration conference with the department chair.

## EDUCATION

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 EDU Seminar: Professional Practice. (2-0-2)** A seminar designed to acquaint in-service teachers with the National Board for Professional Teaching Standards and provide teachers guidance in reflecting on their own practices and preparing or gathering artifacts

specific to the process of seeking a Master license. Prerequisite: Admission to the Graduate School.

**5200 EDU Introduction to Educational Research. (3-0-3)** Course assists students in the development of skills and competencies necessary to critically evaluate educational research and to develop their own proposal for conducting educational research in a setting appropriate to their program. Elementary statistics and research design are emphasized. Prerequisite: Admission as a Degree Candidate.

**5400 EDU Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with /CSD/EDA/ELE/ML/SED/SPE/STG. 5400. Prerequisite: Admission to the Graduate School.

**5680 EDU Educational Assessment. (3-0-3)** An advanced course in psycho-educational assessment. Administration and interpretation of formal and informal, individual and group assessment measures will be studied. Prerequisite: Admission to the Graduate School.

**5800 EDU NBPTS/Professional Portfolio Development Seminar I. (2-0-2) (Credit/No Credit)** This course is the first in a two-course sequence designed to guide educators as they prepare a portfolio specific to the National Board for Professional Teaching Standards. The course requires teachers to reflect on their own practices and organize artifacts specific to the process of seeking NBPTS Certification. Prerequisite: Satisfactory completion of EDU 5000.

**5801 EDU NBPTS/Professional Portfolio Development II. (2-0-2) (Credit/No Credit)** This course is the second in a two-course sequence designed to guide educators as they prepare a portfolio specific to the National Board for Professional Teaching Standards. This course assists students as they work through the process of completing the NBPTS portfolio. Prerequisite: Satisfactory completion of EDU 5000.

## EDUCATIONAL ADMINISTRATION

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5400 EDA Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with /CSD/EDU/ELE/ML/SED/SPE/STG. 5400. Prerequisite: Admission to the Graduate School.

**5410 EDA School Law. (4-0-4)** Includes an analysis of selected general legal principles, case and statute law, and law-making agencies affecting Illinois public schools. Key content areas include the legal system; role of federal, state and local governments, the legislative process; school governance, policies and rules and regulations; church and state; civil rights; student and parent rights and responsibilities; teacher rights and responsibilities; collective bargaining, torts and contracts, and legal research. Content is designed for the practical application of school law.

**5420 EDA School-Community Relations. (2-0-2)** Practices and procedures for developing and implementing an effective school-community relations program. Attention is given to the roles of school district staff members in public relations and politics of education. Students are provided opportunities to develop materials for use in their local schools or districts.

**5490 EDA Educational Administration Issues. (Arr.-Arr.-1 to 3)** Provides students with opportunities for investigation and analysis of educational administration problems of a significant nature.

**5600 EDA Introduction to Organization and Administration. (3-0-3)** The basic functions, tasks, and processes germane to administration. Focuses on leadership and motivation theory, research, and practice as applied to administration and management.

**5630 EDA Administration and Supervision of the Elementary School. (4-0-4)** Develops interrelationship of pupils, staff and resources in the elementary school. Focus on the tasks performed and leadership skills needed.

**5640 EDA Administration and Supervision of the Secondary School. (4-0-4)** Focus on the roles, responsibilities, and duties of middle, junior high, and high school principals.

**5700 EDA Supervision of Instruction. (2-0-2)** Origin and development of the supervisory function. Focus on the roles of the principal and/or supervisor in the improvement of instruction and in curriculum development. Activities, methods, and resources for improving instruction are stressed.

**5870 EDA Personnel Administration. (3-0-3)** Major areas included are recruitment, selection, and induction procedures; personnel compensation and evaluation programs, staff development techniques; and collective bargaining processes in education.

**5890 EDA Practicum in School Leadership. (4-0-4)** This course provides students with clinical experiences in educational administration and organization under the direct supervision of a practicing administrator and a university professor.

**5900 EDA Introduction to Research in Education. (2-0-2)** Addresses then necessary skills to conduct and interpret educational research. Elementary statistics and research design are emphasized.

**5960 EDA Data Management in Educational Administration. (4-0-4)** Focus on the development of skills which will enable school administrators to utilize data management functions logically and systematically, to provide effective services, and to make effective decisions. Hands-on microcomputer applications are provided as is a basic introduction to software and hardware analysis and utilization. No prior microcomputer skills are necessary for the course.

**5990 EDA Independent Study. (Arr.-Arr.-1 to 6)** Intended to permit a student to pursue more intensively various aspects of the area of his/her special interest. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**6200 EDA Evaluating Student Achievement. (4-0-4)** The major purpose of Evaluating Student Achievement is to develop knowledge and skills in educational leaders which will enhance their effectiveness in working with various aspects of evaluating student achievement. A major thrust of the course is to provide students with a conceptual framework for developing and managing the evaluation of student achievement. An emphasis is placed on students developing skills needed for effective educational leadership in the realm of improving student achievement.

**6600 EDA Organizational Development in Educational Administration. (3-1-4)** This course stresses educational leaders' competencies in possessing the knowledge, skills, and abilities to maximize their human potential and effectiveness. Prerequisite: This course stresses educational leaders' competencies in possessing the knowledge, skills, and abilities to maximize their human potential and effectiveness.

**6650 EDA The Superintendent of Schools. (4-0-4)** Leadership roles of the superintendent of schools and other central office administrators in relation to board members, principals, teachers,

parents, citizens, and representatives of state and national government organizations. Attention to the work of central office administrators in personnel including collective bargaining, finance, public relations, curriculum, and building and grounds.

**6700 EDA Planning and Evaluation of Instructional Programs. (3-0-3)** Techniques for curriculum planning that can be utilized by teachers and administrators. Methods are outlined for evaluating the effectiveness of courses and educational programs.

**6800 EDA Current Issues in Educational Administration. (3-1-4)** This course focuses on developing knowledge, skills, and abilities for school leaders in the context of providing leadership for common and on-going issue and policy areas.

**6810 EDA Seminar: School Operations and the Law. (2-0-2)** An advanced course designed for the practicing school administrator. Emphasis on the law as related to elections and referendums, finance, collective bargaining, special education, staff termination, transportation, and school board practices. Special topic areas will be developed based upon individual needs and interests.

**6850 EDA School Plant Planning. (2-0-2)** Emphasizes the planning procedures and criteria, data needs, health and safety concerns, internal and external environments, the up-grading of existing facilities, and flexibility of building use for educational programming. Planning, development, utilization, maintenance, and evaluation of educational facilities are highlighted by consultants, field trips, and class projects designed to emphasize practical applications.

**6860 EDA School Finance. (3-0-3)** Primary focus on the financing of Illinois public schools and the theoretical background of public school finance so that students can apply those theories to various school finance models. Budget analysis, state aid mechanisms, taxing, auditing processes, and finance law are emphasized. Practicing school business administrators and public officials provide current information regarding application of content.

**6870 EDA Professional Negotiation - Collective Bargaining in Education. (3-0-3)** Assists students in developing the skills necessary to assume administrative leadership in preparation and planning for collective bargaining with school district employee groups. Presentations of current issues in educational collective bargaining and roles of personnel in the bargaining process. Students have opportunities to engage in simulated bargaining sessions.

**6910 EDA Field Experience in Administration. (4-0-4) (Credit/No Credit)** The field experience is planned by the supervising professor. Prerequisite: EDA 6700.

**6920 EDA Field Experience in Administration. (4-0-4) (Credit/No Credit)** The field experience is planned by the supervising professor. Prerequisite: EDA 6700.

## EDUCATIONAL FOUNDATIONS

### Course Open to Juniors, Seniors, and Graduate Students

**4750 EDF Introduction to Adult Education. (3-0-3)** Adult education today, its career opportunities, and its historical and theoretical foundations.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5500 EDF Theory Into Practice: Curriculum Development. (3-0-3)** Basic determinants of curriculum; social, philosophical factors influencing curriculum design and development, including current trends, issues and practices. Prerequisite: Admission to the Graduate School.

**5510 EDF Theory Into Practice: Social Foundations for Educational Practice. (3-0-3)** The school in society; effects of cultural patterns, social classes, diverse community organizations and current social problems on creating effective educational environments. Prerequisite: Admission to the Graduate School.

**5530 EDF Theory Into Practice: Philosophy for Educational Practice. (2-0-2)** Develops critical, reflective, interpretive skills and dispositions of educators through study of major philosophies of education. Prerequisite: Admission to the Graduate School.

**5535 EDF Philosophy of Education: Clinical. (2-0-2)** Development of philosophical skills in education, including self and interpersonal analyses of basic orientations, drawing educational implications, consistency, dealing with alternative orientations, and focusing philosophical literature upon educational problems. If 5535 is taken for Basic Education Component Credit, 5530 may not be taken for the same purpose.

**5540 EDF Theory Into Practice: History for Educational Practice. (2-0-2)** This course provides broad coverage of persons and events which have collectively resulted in the creation of an American Educational System. Prerequisite: Admission to the Graduate School.

**5550 EDF Comparative and International Education. (3-0-3)** A study of national systems of education, international issues in education, and comparative and international perspectives on education in the U.S. Credit applicable to the requirements for the M.S. in Education degree.

**5590 EDF Educational Response to Third Age Learning. (3-0-3)** This course will examine, from an education/learning perspective, adult education with a focus on the third age student (55+). Principles of adult learning and educational practices will be discussed along with organizations/individuals providing third age learners education activities. Prerequisite: Graduate status.

**5730 EDF History and Philosophy of Higher Education. (3-0-3)** Course explores the evolution of higher education primarily in the United States with special attention to forces that have shaped its development including the history of critical philosophical debates and issues about the nature and role of higher education. Cross-listed with CSD. 5730.

**5990 EDF Independent Study. (Arr.-Arr.-1 to 6)** Intended to permit a student to pursue more intensely various aspects of his/her special interest. Prerequisite: Permission of the department chair.

## EDUCATIONAL PSYCHOLOGY

### Courses Open to Juniors, Seniors, and Graduate Students

**4770 EDP Facilitating Interpersonal Relationships. (3-0-3)** A course to develop skills in interpersonal relationships and personal understanding.

**4790 EDP Studies in Education. (2-0-2)** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem.

**4800 EDP Studies in Education. (1-0-1)** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem.

## Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5300 EDP. Theory into Practice: Psychological Foundations for Educational Practice. (3-0-3)** Human growth and development; learning theory and practice; motivation; interaction skills; changing family and social contexts as they affect student behavior and perceptions. Prerequisite: Admission to the Graduate School.

**6440 EDP. Statistics in Education and Psychology. (3-0-3)** Fundamentals of statistics and their application.

## ELEMENTARY EDUCATION

### Courses Open to Juniors, Seniors, and Graduate Students

**4770 ELE Methods and Curriculum in the Primary Grades. (3-0-3)** Study of curriculum and techniques for teaching mathematics, science, and social studies in the primary grades. Planning lessons and units of instruction. Prerequisite: ELE 3250.

**4775 ELE Language and Language Arts in Early Childhood. (3-0-3)** Normal language development in the young child. Techniques for specific language art skills in pre-school and primary teaching. Assessment of pupil growth and achievement in language.

**4776 ELE Early Childhood Education: History and Philosophy. (3-0-3)** The history and philosophy of early childhood education. Historical and contemporary models, social policy, and philosophical issues. Prerequisite: Eight semester hours in education and psychology.

**4780 ELE Studies in Education. (Arr.-Arr.-1 to 3)** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

**4880 ELE Diagnostic-Prescriptive Reading Instruction. (3-0-3)** Diagnostic procedures and materials in reading for teachers in self-contained and departmentalized classrooms from kindergarten through junior high school. Field-based activities. Prerequisite: ELE 3281 for Early Childhood Option; ELE 3280 for General and Middle School options; concurrent enrollment in ELE 3290 and 3340, or permission of the department chair.

## Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 ELE Introduction to Research in Elementary Education. (3-0-3)** Provides experiences in defining problems and in using research techniques in writing, interpreting, and evaluating research in elementary education. Prerequisite: Eight semester hours in education and psychology.

**5260 ELE Advanced Developmental Reading. (3-0-3)** A study of current issues in reading instruction, including a contemporary view of literacy processes, goals of reading instruction, approaches to instruction, and assessment procedures. Prerequisite: ELE 3280 and 3281; MLE 4280, or equivalent; or permission of department chair.

**5400 ELE Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with

CSD/EDA/EDU/MLE/SED/SPE/STG. 5400. Prerequisite: Admission to the Graduate School.

**5490 ELE Educational Problems. (3-0-3)** Provides the student an opportunity for investigation and analysis of elementary or junior high school problems of a significant nature. Prerequisite: Permission of chair of the department. May be repeated for a total of six semester hours credit.

**5570 ELE Early Childhood Education. (3-0-3)** Consideration given to each segment of the learning continuum (ages 3 1/2 to 8) including curriculum design, articulation, evaluation, and administration. Prerequisite: Eight semester hours in education and psychology.

**5580 ELE Child Study for the Elementary School Teacher. (3-0-3)** Factors influencing behavior of the elementary school child. Techniques to secure and use data to improve classroom teaching. Prerequisite: ELE 2320 or equivalent. Eight semester hours in education and psychology.

**5600 ELE Diagnosis of Reading Problems. (3-0-3)** A study of the types and causes of reading difficulty; approaches to diagnosis for teachers, clinicians, and supervisors. Prerequisite: Eight semester hours in education and psychology, including ELE 3280 or equivalent.

**5610 ELE Remediation of Reading Problems. (3-0-3)** Strategies and materials for remediation of reading problems for teachers, clinicians, and supervisors. Prerequisite: ELE 5600 or equivalent; may be taken concurrently with ELE 5620.

**5620 ELE Remedial Reading Practicum. (1-2-3)** Supervised practice in diagnosing, treating, and reporting on cases of reading disability. Prerequisite: ELE 5260, 5600, 5610, or equivalents. May be taken concurrently with ELE 5610. May be taken twice for credit.

**5640 ELE Teaching and Supervision of Social Studies in Elementary Schools. (3-0-3)** A study of objectives, content, materials, and strategies in organizing, supervising, and improving social studies programs.

**5650 ELE Language Arts in the Elementary School. (3-0-3)** A critical analysis of language arts instruction with emphasis on the organization of the program, content, materials, and procedures. Prerequisite: Eight semester hours in education and psychology.

**5660 ELE Science Curriculum in the Elementary School. (3-0-3)** Scope and sequence of the elementary science curriculum; new experimental curricula; selection of materials and equipment. Prerequisite: Six semester hours of science; ELE 3290 or permission of the department chair.

**5700 ELE Seminar in Elementary Education. (Arr.-Arr.-1 to 3)** Intensive study of important contemporary issues, problems, developments and trends in elementary education. A maximum of six semester hours may be earned in 5700 or 5950 or 5990; however, a maximum of nine semester hours may be earned in a combination of 5700, 5950, and 5990.

**5950 ELE Thesis. (Arr.-Arr.-1 to 3) As arranged. (Credit/No Credit)** NOTE: A maximum of nine semester hours may be earned in a combination of 5700, 5950, and 5990.

**5990 ELE Independent Study. (Arr.-Arr.-1 to 6)** Intended to permit a student to pursue more intensely various aspects of the area of his/her special interest. Prerequisite: Permission of the department chair. NOTE: A maximum of nine semester hours may be earned in a combination of 5700, 5950, and 5990.

## ENGLISH

**Courses Open to Juniors, Seniors, and Graduate Students**

**4750 ENG Studies in African-American Literature. (3-0-3)** In-depth study of various genres, movements, periods, and major writers in African-American literature. Only one genre, movement, or period or only two or three major writers will be studied during any semester. Topics to be announced. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G.

**4752 ENG Studies in Drama. (3-0-3)** In-depth study of major periods, sub-genres, movements, or writers important in understanding dramatic literature and performance. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G.

**4760 ENG Studies in Professional Writing. (3-0-3)** Focused study of professional writing, designed to enhance understanding of workplace writing and provide experience in producing it. The topic will vary from semester to semester. May be repeated with a different topic with the permission of the department chair. Prerequisite: English 1002G; English 2760 recommended.

**4761 ENG Creative Nonfiction Writing. (3-0-3)** Advanced practice in the writing and revising of creative nonfiction, with an emphasis on the development of the student's individual style. May be taken twice with permission of the Department Chairperson.

**4762 ENG Poetry Writing. (3-0-3)** Extensive practice in the writing and revising of poetry, with an emphasis on the development of the student's individual style. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G and 2003 or, with permission of instructor, 2005 or 2007.

**4763 ENG Fiction Writing. (3-0-3)** Extensive practice in the writing and revising of prose fiction, with an emphasis on the development of the student's personal style. Each student will have the option of writing several short stories or one novella. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G and 2007 or, with permission of instructor, 2003 or 2005.

**4764 ENG Play Writing. (3-0-3)** Advanced practice and instruction in dramatic writing. Though the course will review the basic elements common to all dramatic writing, it will allow the students to concentrate on the media of their choice: radio, theatre, TV, or film. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G and 2005 or, with permission of instructor, 2003 or 2007.

**4775 ENG Studies in Literary Criticism. (3-0-3)** Basic principles of evaluating the standard literary genres, or tenets of a specific school of criticism, or the examination of major aesthetic questions. Topics to be announced. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G.

**4801 ENG Integrating the English Language Arts. (3-0-3)** Strategies for integrating the English language arts, including literature, composition, speech, drama, and works in other media such as film. Attention to pedagogical theory and its practical applications. Prerequisite: ENG 1002G; SED 3330; for ASEP students, SED 3000 and 3100; for Middle Level Education majors, MLE 3110.

**4850 ENG Studies in Third World Literatures. (3-0-3)** Focused study of major region, theme or writers in nonwestern or third world literatures. Readings are studied in their socio-cultural and historical contexts. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G.

**4901 ENG History of the English Language. (3-0-3)** Historical, geographic, and social dialects of English; phonological changes

and other alterations in the structure and vocabulary of the English language. Prerequisite: ENG 1002G.

**4903 ENG Young Adult Literature. (3-0-3)** Study of literature written for and about adolescents with emphasis on various genres, movements, themes, and major writers. Prerequisite: ENG 1002G.

**4905 ENG Studies in Children's Literature. (3-0-3)** In-depth studies of some aspect of children's literature. Topics to be announced. May be taken twice with permission of department chair. Prerequisite: ENG 1002G.

**4906 ENG Problems in the Teaching of English. (3-0-3)** Advanced methods course on various topics, such as the teaching of composition, the teaching of literature, the teaching of language. Topics to be announced. May be taken twice with permission of the department chair. Prerequisite: ENG 1002G and 3401 or 3402 or permission of the instructor.

**4950 ENG Literary History and Bibliography. (3-0-3)** A historical study of British and American literary periods, schools, figures, and genres, with emphasis on current resources, methods, and theories in research and bibliography. Required of and enrollment limited to English majors. Prerequisite: ENG 1002G.

**Graduate Courses**

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 ENG Introduction to Methods and Issues in English Studies. (3-0-3)** An introduction to critical approaches, research methods, and current issues in literary and composition studies. Required in first year of enrollment. Prerequisite: Graduate standing. The course may also be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School.

**5001 ENG Studies in Old and Middle English Literature. (3-0-3)** A study of major figures or genres in English literature from the Anglo-Saxon period through the fifteenth century, with some attention given to language changes. The topic will vary from semester to semester. May be repeated with permission of the department chair.

**5002 ENG Studies in Renaissance Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5003 ENG Studies in Seventeenth-Century British Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5004 ENG Studies in Restoration and Eighteenth-Century British Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5005 ENG Studies in Nineteenth-Century British Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5006 ENG Studies in Twentieth-Century British Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will

vary from semester to semester. May be repeated with the permission of the department chair.

**5008 ENG Studies in Colonial American Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5009 ENG Studies in Nineteenth-Century American Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5010 ENG Studies in Twentieth-Century American Literature. (3-0-3)** A study of some thematic preoccupation, literary movement, major figure(s), or genre connected with the period. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5011 ENG Studies in Composition and Rhetoric. (3-0-3)** A study of selected theoretical issues, historical perspectives, or methodological approaches relevant to the field of rhetoric/composition. The topic will vary from semester to semester. May be repeated with the permission of the department chairperson.

**5061 ENG Special Topics in Literature and Literary Theory. (3-0-3)** Special topics in language and literature not ordinarily treated in standard courses. The topic will vary from semester to semester. May be repeated with the permission of the department chair.

**5091 ENG Studies in Language, Linguistics, and Literacy. (3-0-3)** Seminar in varying topics concerning the fields of linguistics and literacy. May be repeated with the permission of the department chairperson. Prerequisite: Graduate standing. The course may also be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School.

**5500 ENG Practicum in Teaching Composition. (Arr.-Arr.-1) (Credit/No Credit)** Instruction and supervised experience in the teaching of basic writing. Enrollment required of and limited to Graduate Assistants in English, Fall and Spring. The course may be taken twice with permission of the department chair and the coordinator of graduate studies. NOTE: A maximum of nine semester hours may be earned in a combination of 5500, 5950 and 5990.

**5502 ENG Mentored Composition Teaching. (3-0-3)** Observation and mentored teaching of a freshman writing class. Prerequisite: Eng 5500 or permission of the director of composition.

**5940 ENG MA Exam Tutorial. (Arr.-0-3) (Credit/No Credit)** Supervised reading and discussion of selected texts representing designated fields in Literary Studies or Composition/Rhetoric and Professional Writing. Prerequisite: English 5000; Permission of the instructor and permission of the Graduate Coordinator.

**5950 ENG Thesis. (Arr.-Arr.-3 to 6) (Credit/No Credit)** Enrollment for more than three semester hours requires permission of the department chair and the coordinator of graduate studies in English. NOTE: A maximum of nine semester hours may be earned in a combination of 5500, 5950, 5990, and/or 5997.

**5960 ENG Professional Writing Internship. (Arr.-Arr.-3) (Credit/No Credit)** Part-time practical experience in professional writing in an off-campus setting approved by the department. Prerequisite: ENG 4760 or approval of instructor.

**5990 ENG Independent Study. (Arr.-Arr.-1 to 6)** Advanced study of a topic selected by the student, subject to the approval of the departmental graduate studies committee. Requires permission of the department chair and the coordinator of graduate studies in

English. NOTE: A maximum of nine semester hours may be earned in a combination of 5500, 5950, 5990, and/or 5997. Prerequisite:

**5997 ENG Study Abroad. (Arr.-Arr.-3 to 6)** Special permission of the department.

**FAMILY AND CONSUMER SCIENCES****Courses Open to Juniors, Seniors, and Graduate Students**

**4750 FCS Advanced Human Nutrition. (3-0-3)** Emphasis on biochemical function of nutrients in the study of human nutrition. Prerequisite: CHM 1310G, 1315G, 1410, 1415, 2430, 2435, and 3450; FCS 2100 and 3755; and BIO 2001G; or permission of the instructor.

**4751 FCS Nutrition Therapy. (4-0-4)** Application of the science of nutrition to the maintenance of optimum health and the role of nutrition in the prevention and treatment of disease. Prerequisite: CHM 2430/2435, FCS 3755, or permission of the instructor.

**4752 FCS Focus on Diabetes. (1-0-1)** In-depth study of diabetes, including the roles of medical nutrition therapy, pharmaceutical therapy, and exercise to promote self-management of diabetes. Prerequisite: FCS 2100 or permission of the instructor.

**4753 FCS Nutrition and the Addicted Person. (1-0-1)** Consideration of nutrition needs and eating problems of addicted persons; nutrition management and treatment plans.

**4755 FCS Nutrition for Physical Performance. (3-0-3)** Examination of metabolism and energy systems related to physical performance. Planning optimum diets for performance. Examine/evaluate controversial practices that may influence metabolism and performance. Prerequisite: BIO 2001G.

**4760 FCS Hospitality and Franchising. (3-0-3)** Analysis of the franchise concept, the franchisee-franchisor relationship, legal regulations impacting the operation of a franchised hospitality business, and an analysis of current franchise opportunities in the hospitality industry. Prerequisites: FCS 2700, FCS 2740, FCS3784, FCS 3786, BUS 2101, BUS 2710.

**4770 FCS Consumer Decisions in the Marketplace. (3-0-3)** Use of personal and family resources to improve consumer decision-making including discussion of government and business influences. Prerequisite: FCS 3300 or permission of the instructor.

**4780 FCS Living Environments. (3-0-3)** Living environments, planning living spaces for families considering environment, design, space and materials in relation to family needs and resources. Prerequisite: FCS 2270 and 3280 or permission of the instructor.

**4790 FCS Interior Design Practices. (3-0-3)** Creating interior spaces considering style, materials, presentation techniques and the design process. Prerequisite: FCS 3280 or permission of the instructor.

**4820 FCS Death and Dying. (3-0-3)** Issues of death and dying and their implications for individuals and their families.

**4840 FCS The Disadvantaged Family. (3-0-3)** Low income and minority group families and their values, needs, problems, and practices. Prerequisite: FCS 2800 or permission of the instructor.

**4845 FCS The Family in Crisis. (3-0-3)** In-depth study of major crisis situations faced by families. Some emphasis on resources that offer help to families faced with crisis situations. Prerequisite: FCS 2800 or permission of the instructor.

**4846 FCS Aging and the Family. (3-0-3)** Aging as a phase in the family developmental process and the consequent effect. Prerequisite: FCS 2800 or permission of the instructor.

**4851 FCS Infant Development. (2-2-3)** Study of current theories and research on infant and toddler development and care. Application of knowledge through supervised observation and participation in FCS Infant Development Laboratory.

**4854 FCS Parent-Child Study and Community Involvement. (3-0-3)** Detailed study of parent-child interaction and community involvement; in-depth study of parent education programs, methodology and techniques. Observation required.

**4859 FCS Administration of Child Care Programs. (3-0-3)** Organization, administration, curricula, facilities, licensing, parent involvement/education, and types of child care programs are presented. Observation required.

**4860 FCS Addictions and the Family. (3-0-3)** Study of the interaction effects between the addicted person and the family and significant others; educational techniques and family intervention strategies for families of addicted persons. Prerequisite: FCS 2800 or permission of the instructor.

**4926 FCS Public Presentation Techniques (3-0-3)** Development of visual merchandising techniques and materials to present goods and services in relationship to functional and aesthetic concerns. Prerequisite: Graduate status or FCS 1000, FCS 2244.

**4940 FCS Food Service Systems Management. (3-0-3)** Organization and administration of food service systems, human resource management, cost control, food purchasing, facility, and equipment planning. Prerequisite: BUS 2101, BUS 3010, FCS 1120, FCS 1121, FCS 2100, FCS 2140, or permission of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5045 FCS Textile Simulations (2-0-2)** Textile color design for garment and home simulations will be used to develop story boards used in the print advertising industry. Prerequisite: Computer and internet proficiency or permission of the instructor.

**5151 FCS Nutrition for Older People. (1-0-1)** Changes in aging as related to nutrition; dietary needs and diet planning.

**5152 FCS Readings in Nutrition Research. (3-0-3)** In-depth study and application of nutrition knowledge and research. Prerequisite: FCS 4750, 5900 or permission of the instructor.

**5153 FCS Nutrition in the Life Cycle. (3-0-3)** Nutrition as a factor in human growth and development throughout the life cycle. Prerequisite: BIO 2001G, or permission of the instructor.

**5154 FCS Medical Nutrition Therapy. (3-0-3)** The role of nutrition in the prevention and treatment of various disease states, including advanced applications of medical nutrition therapy and specific nutrition intervention techniques. Prerequisite: FCS 4750 and FCS 4751 or verification statement from an approved/accredited Didactic Program in Dietetics.

**5155 FCS Teaching and Marketing Nutrition. (3-0-3)** Nutrition education objectives, methods, and evaluation for those working with students, athletes, patients, and consumers. Prerequisite: One course in nutrition or permission of the instructor.

**5230 FCS Special Topics in Family and Consumer Sciences. (1-0-1) or (2-0-2)** Study of special topics in Family and Consumer Sciences with variable course content. Intensive study of topics

through readings, reports, and group discussions. May be repeated for credit if a different topic is taught. Prerequisite: Permission of the instructor.

**5235 FCS International Special Topics in Family and Consumer Sciences. (1-0-1)** Focused study of international topics in foods/nutrition, family studies, consumer affairs, housing and/or other areas related to family and consumer sciences with variable course content. Intended to provide international focus and in-depth study of current topics not covered in other courses. May be repeated for credit if a different topic is taught. Prerequisite: Permission of the instructor.

**5238 FCS Seminar in Family and Consumer Sciences. (3-0-3)** The study of selected subject matter areas in the field of Family and Consumer Sciences. May be taken twice for credit. Prerequisite: Permission of the instructor.

**5300 FCS Critical Issues in Consumer Affairs. (3-0-3)** Critical issues in consumer affairs as they relate to various areas in family and consumer sciences within the global community. Examination of critical/creative thinking and forecasting skills as a foundation for identifying, investigating, and applying consumer theory to relevant critical incidents. Prerequisite: One consumer course and one economics course or permission of the instructor.

**5301 FCS Consumer and Management Problems of Older People. (3-0-3)** To develop competency in assisting people in the later stages of the family life cycle in the areas of consumer and management problems. Prerequisite: FCS 4846 or permission of the instructor. A course in consumer education is highly recommended.

**5302 FCS Family Budgeting and Debt Management. (3-0-3)** Students will develop skills to educate individuals and families on family budgeting and debt management. Effective educational techniques and practices will be applied. Prerequisite: FCS 3300 Consumer Education or CTE 300 Consumers in the Marketplace.

**5450 FCS Administration and Supervision in Family and Consumer Sciences. (3-0-3)** Principles and techniques of administration and supervision in Family and Consumer Sciences.

**5460 FCS Current Issues and Trends. (3-0-3)** Seminar emphasizing current emerging problems, issues, trends, and developments in Family and Consumer Sciences.

**5470 FCS Evaluation in Family and Consumer Sciences. (3-0-3)** The evaluation process, critique and design of evaluation systems and instruments.

**5750 FCS Special Problems in Gerontology. (1-0-1)** An in-depth study of a specific personal or family related problem or issue common to older persons. Prerequisite: FCS 4846 or permission of the instructor. May be repeated for a maximum of three semester hours.

**5846 FCS Administration of Human Services Programs. (3-0-3)** Includes information on development, implementation, and administration of programs for individuals and families across the life span; strategic planning; legislation and public policy; grantmanship and funding; working with boards, councils and volunteers; facilities planning; program evaluation; networking; program accountability; and evaluation.

**5850 FCS Readings in Human Development and Family Life. (3-0-3)** In-depth study of selected human development and family life theories and research. Application of knowledge to current issues and concerns related to marriage, parenting, families, and children.

**5852 FCS Adolescence and the Family. (3-0-3)** Study of adolescent development and relationships with special emphasis on the family.

**5854 FCS Family and Professional Group Processes. (3-0-3)** The application of group interaction in studying the effects of

personality on personal and family functioning. Prerequisite: Graduate Status

**5900 FCS Research Methods in Family and Consumer Sciences. (3-0-3)** Research techniques in writing, interpreting, and evaluating family and consumer sciences research.

**5950 FCS Thesis. (Arr.-Arr.-3 to 6) (Credit/No Credit)** Individual direction of research thesis writing. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5980 FCS Internship. (Arr.-Arr.-3 to 6)** An individualized planned work experience in an agency or institution appropriate to the student's area of specialization. A maximum of six semester hours may be earned, except that 12 semester hours may be earned in the Dietetics Option to provide supervised practice as defined by the American Dietetic Association.

**5990 FCS Independent Study. (Arr.-Arr.-1 to 6)** To offer opportunity and challenge for a student to pursue needed study in the area in which appropriate courses are not being currently offered. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

## FINANCE

### Courses Open to Juniors, Seniors, and Graduate Students

**4820 FIN International Finance. (3-0-3)** Financial aspects of operating multinational firms. Topics included are international markets, exchange rate theories, foreign trade financing, and both raising funds and investing resources internationally. Prerequisite: BUS 3710 with a grade of C or better, FIN 3730, ECN 3860 and admission to the School of Business or permission of the Associate Chair.

**4830 FIN Current Issues in Finance. (3-0-3)** A seminar approach to studying the contemporary issues of concern in the fields of corporate finance, investments, and financial markets and institutions. Prerequisite: BUS 3710 (with a grade of C or better), FIN 3720, 3730 and 3775, admission to the School of Business or permission of the Associate Chair.

## FOREIGN LANGUAGES

### Courses Open to Juniors, Seniors, and Graduate Students

**4760 FLF French Drama. (3-0-3)** French drama from the fifteenth century to the present.

**4770 FLF French Poetry. (3-0-3)** Selected authors from Villon to the present.

**4750 FLG Introduction to German Stylistics. (3-0-3)** Elements of prose composition: form, style, and content. Prerequisite: Three years of college German or permission of the department chair.

**4751 FLG German for Reading Knowledge (4-0-4)** This course is designed to prepare students to read German at a level that they can then use to do research in German in their chosen field. This course cannot be used to meet any requirements of the major in Foreign Languages with a German concentration or the German minor.

**4752 FLG German for Reading Knowledge II (4-0-4)** This course is designed to complete the preparation begun in FLG 4751 and then to give students an opportunity to do research in German in their chosen fields. This course cannot be used to meet any requirements of the major in Foreign Languages with a German

concentration or the German minor. Prerequisite: FLG 4751 or permission of department chair and instructor.

## GEOGRAPHY

### Course Open to Juniors, Seniors, and Graduate Students

**4890 GEG. Geographic Information Systems. (2-2-3)** Theoretical and applied introduction to geographic information systems. Microcomputer lab experience offers real world human and natural resource computer-based scenarios that involve the input, storage, retrieval, manipulation, analysis and cartographic display of geocoded data using geographic information systems. Prerequisite: GEG 3800 or permission of instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5590 GEG Special Topics. (Arr.-Arr.- 1 to 6)** Readings, discussion, reports, on-campus fieldwork about specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is taught. Cross-listed with ESC/GEL. 5590. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

**5990 GEG Independent Study. (Arr.-Arr.- 1 to 6)** Individual study under faculty supervision on a topic selected by the student, in consultation with the faculty. Readings, discussion, reports, on-campus and/or off-campus fieldwork on specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is pursued. Cross-listed with ESC/GEL. 5990. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

**4800 GEL Summer Field Geology in the Black Hills, S.D. (Arr.-Arr.-6)** Individual and group problem-solving by application of field methods and techniques, including plane table and total station mapping and air photo interpretation. Six weeks of field study required. Contact Director of Summer Field Geology concerning fees and registration. This course is complementary to nearly all of the department's geology courses. This requirement must be met in the EIU Geology Field Station in the Black Hills of South Dakota. In cases of students' health limitations, with the approval of the department chair, an alternative program will be provided. Prerequisite: GEL 1430, 3405, and 3430. GEL 3510, 3560 and 4490 recommended. In special cases, permission of chairperson and field camp director is required. Graduate students will complete an additional field research project that has been approved by the field camp director. This project must be successfully completed by the end of the course.

**4892 GEL Introduction to Paleobotany. (3-2-4)** Introduction to the origin and theories of evolution, diversification, radiation, and paleogeography of plants through time, with special reference to vascular plants. Field work. Prerequisite: GEL 1430 and BIO 3612 or permission of the instructor. Credit not granted for both GEL 4892 and BIO 4892.

**5590 GEL Special Topics. (Arr.-Arr.- 1 to 6)** Readings, discussion, reports, on-campus fieldwork about specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is taught. Cross-listed with ESC/GEG. 5590. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

**5990 GEL Independent Study. (Arr.-Arr.- 1 to 6)** Individual study under faculty supervision on a topic selected by the student, in consultation with the faculty. Readings, discussion, reports, on-

campus and/or off-campus fieldwork on specific areas or topics in earth science, geography or geology. May be repeated for credit if a different topic is pursued. Cross-listed with ESC/GEG. 5990. Prerequisite: Teaching certificate or bachelor's degree in an appropriate field.

## HEALTH STUDIES

### Courses Open to Juniors, Seniors, and Graduate Students

**4770 HST Health Services Administration. (3-0-3)** Examination of the health service sector applications of administrative and management concepts, including social administration, biomedical and business ethics and management theory. Prerequisite: HST 2250, 2270 and 3750 or permission of the instructor.

**4800 HST Drugs and Society. (3-0-3)** A study of drugs and drug use from an historical, biological and social perspective with emphasis on the physiological and pharmacological action of drugs in the body.

**4810 HST Community Resources and Chemical Dependency. (2-0-2)** This course is designed to familiarize the student with self-help groups, intervention programs, and various community resources available to deal with the problem of chemical dependency. Prerequisite: HST 4800.

**4820 HST DUI: Legal Issues. (2-0-2)** This course will familiarize the student with the state DUI laws, policies and procedures in reference to DUI; remedial education classes; evaluation and assessment of clients; and administration and scoring of tests used in DUI processes. Prerequisite: HST 4800.

**4890 HST Health and Aging. (3-0-3)** This course is designed to examine common health changes, issues and concerns as they pertain to the aging individual.

**4900 HST Multi-Phase Driver Education. (2-2-3)** The five-phase driver education curriculum. Actual practice with multi-media equipment, simulators, student response systems and multi-car range. Prerequisite: HST 3310 or concurrent enrollment or permission of the instructor.

**4910 HST Applied Health Communication. (3-0-3)** An examination of applied health communication in the interpersonal, organizational, and mediated contexts. Emphasis is on higher order application of skills from different occupational perspectives. Cross-listed with SPC. 4910. Prerequisite: HST/SPC 3910 or consent of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5010 HST Current Health Problems. (3-0-3)** An epidemiological investigation of the cause, nature, extent, and programming of current health problems.

**5990 HST Independent Study. (Arr.-Arr.-1 to 6)** An individual study under faculty supervision of pertinent literature, research, programs or other sources related to selected topic in health education. Prerequisite: Permission of the department chair.

## HISTORY

### Courses Open to Juniors, Seniors, and Graduate Students

**4775 HIS Selected Topics in History. (2-0-2 or 3-0-3 depending upon topic taken)** Study of historical issues and subjects not typically presented in standard courses. Topics to be announced. May be repeated with permission of the department chair. Study of historical issues and subjects not typically presented in standard courses. Topics to be announced. May be repeated with permission of the department chair. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4800 HIS The Renaissance and Reformation. (3-0-3)** A study of the intellectual and spiritual rebirth of Europe from 1350 to 1559. The Renaissance and Reformation movements shattered the medieval world view, challenged its institutions and authorities, and ushered in the modern world. Prerequisite: Three semester hours of history courses numbered 3000 and above or the consent of the instructor.

**4810 HIS Europe in the Nineteenth Century. (3-0-3)** An investigation into the political, economic, social and intellectual developments in 19th century Europe. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4820 HIS The World in the Twentieth Century. (3-0-3)** The apex and decline of European hegemony in the age of the world wars, class war, cold war and totalitarianism. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4830 HIS Eastern Europe from World War I to the Present. (3-0-3)** Eastern Europe from World War I to the present. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4840 HIS Europe Since 1945. (3-0-3)** A political, social and cultural history of Europe since World War II. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4845 HIS Women and Gender in Modern Europe. (3-0-3)** Explores the political, social, and cultural history of women and gender relations in Europe from 1789 to the present.

**4850 HIS Mexico, Central America and the Caribbean. (3-0-3)** This course focuses on the relationships among the following issues in Mexico, Central America and the Caribbean: racial and ethnic identity; economic development; political structures, and migration. Prerequisite: Three semester hours of history courses numbered 3000 and above or the consent of the instructor.

**4855 HIS Law, Disorder and Resistance in Mexico: Bandits and Rebels c. 1400-1997. (3-0-3)** This course explores banditry, revolt, and the use of controlled substances in Mexican history as a means of understanding economic, social and political problems in Mexican history from the 15th century to the present.

**4900 HIS Historical Publishing. (3-0-3)** Writing, editing, and producing professional journal articles, book and exhibit reviews in history for a journal and newsletter in print and online. Prerequisite: Three semester hours of history courses numbered 3000 and above or the consent of the instructor.

**4903 HIS Colonial America to 1763. (3-0-3)** The origins of England's North American Colonies and their cultural, economic, political, social and religious development in the period ending with the French and Indian War. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4904 HIS The American Revolution, 1763-1789. (3-0-3)** The origins of the American Revolution as the aftermath of the Great War for the Empire, the conduct of the war, the adoption of the Articles of Confederation through the culmination of the Revolution in the Constitution of the United States. Prerequisite: Three

semester hours in history courses numbered 3000 and above or consent of the instructor.

**4910 HIS The Foundation of the American Constitutional and Political System. (3-0-3)** Study of United States governmental institutions. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4911 HIS History of American Violence. (3-0-3)** This course examines the role of violence in American history, looking at its political and social consequences.

**4920 HIS Historic Preservation in the United States. (3-0-3)** An introduction to the practical problems of historic preservation, and to the historical and theoretical bases of historic preservation in the U.S. Topics include the tools of the trade, controversies in the field, and preserving buildings in museums, as well as in the urban, rural, and suburban landscape. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4940 HIS The Early Republic: United States, 1789-1848. (3-0-3)** An advanced survey of the American experience from the Age of Jefferson to the Age of Jackson, a period commonly called the Early Republic. Emphasis is on four interconnecting themes—economic development, politics and reform, ideology and culture, and western expansion. Prerequisite: Three semester hours in history courses numbered 3000 or above, or permission of instructor.

**4950 HIS The Emergence of Industrial America. (3-0-3)** Focusing on the period from 1880 to 1920, this course examines the economic, political, social, and cultural changes that accompanied the United States' transition from a rural to an urban nation. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4960 HIS Contemporary America. (3-0-3)** Study of major issues affecting the present generation with an emphasis upon historical causes and parallels. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4970 HIS History of Ideas in America. (3-0-3)** The development of American ideas from first settlement to the present. Prerequisite: Three semester hours in history courses numbered 3000 and above or consent of the instructor.

**4980 HIS The Historian and the Computer. (3-0-3)** Through hands-on exercises, students will explore use of electronic mail, gophers, the World Wide Web, and quantitative data analysis to understand how historians use computers. No previous computer experience necessary. Prerequisite: Three semester hours of history courses numbered 3000 and above or the consent of instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 HIS Historiography. (3-0-3)** Critical study of debate among historians on crucial problems or issues ranging from medieval Europe to contemporary United States. Emphasis will be on analyzing competing methods and arguments and on comparing, adopting, and adapting approaches from one era or region to another.

**5010 HIS Administration of Historical Organizations. (3-0-3)** Intensive study and research into special topics relating to the management of historical sites, museums, and archives. Prerequisite: Permission of the instructor.

**5020 HIS Historical Interpretation and Public Programs. (3-0-3)** Study of the basic principles and communications process involved

in presenting the past to public audiences. Emphasis is placed upon historiography and the educational theory and interpretive techniques used at historic sites and museums in the development of effective public programs. Prerequisite: Permission of the instructor.

**5030 HIS Archival Methods. (3-0-3)** Study of the purpose, content, and organization of archival collections and of editorial techniques involved with historical materials. Prerequisite: Permission of the instructor.

**5050 HIS History of American Architecture. (3-0-3)** The course acquaints the student with the development of architecture in this nation from its European roots to the recent past, emphasizing how style and form reflects cultural, economic and technological changes in our history. Prerequisite: Permission of instructor.

**5070 HIS Research Methods in Local History. (3-0-3)** Techniques and resources available for history research in local communities including oral history, public and private records, visual documents, newspapers, contemporary writing, cemeteries. Prerequisite: Permission of the instructor.

**5090 HIS Care and Management of Historical Artifacts. (3-0-3)** An introduction to the physical and intellectual management of collections with the goal of mitigating deterioration. Topics include museum registration and cataloguing standards; preventive conservation (storage, handling, and care of ten artifact groups); programmatic use of artifacts in exhibits and site interpretation; and planning as it relates to animate as well as inanimate objects. Prerequisite: Permission of the instructor.

**5110 HIS History Museum Exhibits. (3-0-3)** A study of the role, function and development of history museum exhibits as a part of the interpretation process. Students will research and design a temporary exhibit. Prerequisite: Permission of the instructor.

**5111 HIS History Museum Exhibits. (1-0-1)** A continuation of the study of the role, function and development of history museum exhibits as a part of the interpretation process. Students will fabricate and install the exhibit designed in 5110. Prerequisite: Permission of the instructor.

**5160 HIS Seminar in American History. (Arr.-Arr.-1 to 3)** Intensive study of special topics in American history, to be determined by the instructor. May be repeated. Prerequisite: Permission of the instructor.

**5250 HIS Seminar in the History of Revolution. (3-0-3)** An intensive study of a particular revolution or a comparison of two or more revolutions so as to demonstrate the characteristics and patterns of each or their common similarities and differences. May be repeated under different instructors using different topics. Prerequisite: Permission of the instructor.

**5310 HIS Seminar in Social, Intellectual, or Cultural History. (3-0-3)** Lectures, reading, and research on topics to be selected by the instructor. May be repeated. Prerequisite: Permission of the instructor.

**5320 HIS Seminar in Diplomatic History. (3-0-3)** Intensive study of selected topics in the history of diplomacy. May be repeated under different instructors using different topics. Prerequisite: Permission of the instructor.

**5330 HIS Material Life in America, 1600 to the Present. (3-0-3)** An historical overview of the significance and methods of studying artifacts made, purchased, and used by Americans from the early 1600s to the present. Topics include the ways material evidence reflects human adaptation to the environment, to social and cultural influences and to the rise of consumerism. Prerequisite: Permission of the instructor.

**5340 HIS Nineteenth-Century American Social and Cultural History. (2-0-2 or 3-0-3)** This course guides students in the analysis

of rival interpretations of American social and cultural history in nineteenth century. May be repeated under different instructors using different topics.

**5350 HIS Twentieth-Century American Cultural and Social History. (2-0-2 or 3-0-3)** An exploration of problems in American cultural and social history during the twentieth century. Prerequisite: Permission of the instructor. May be repeated under different instructors using different topics.

**5360 HIS Historic Domestic Interiors. (3-0-3)** An in-depth study of home furnishings from the 17th through the 20th centuries that enables history museum professionals to curate, research, interpret, and exhibit household objects within the economic, social, and technical contexts of American history. Prerequisite: Permission of the instructor.

**5370 HIS Seminar in Early American History. (3-0-3)** An intensive study of selected topics in Colonial and Revolutionary American History. This will be a reading and discussion course. The readings will cover both standard historical works and new research. Grading will consist of class discussion, weekly writing assignments, and historiographical essays.

**5390 HIS Seminar in the Civil War Era. (3-0-3)** An advanced graduate seminar on the causes and consequences of the Civil War. Emphasis will be on politics and ideology, society and economy, and gender and culture as we compare North and South before, during, and after the war. Prerequisite: Graduate standing or permission of instructor.

**5400 HIS Seminar in European History. (Arr.-Arr.-1 to 3)** Intensive study in special topics in European history to be determined by the instructor. May be repeated. Prerequisite: Permission of the instructor.

**5950 HIS Thesis. (Arr.-Arr.-3 to 6)** As arranged. (Credit/No Credit) NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and/or 5990 and/or 5997.

**5980 HIS Internship in Historical Administration. (Arr.-Arr.-1 to 12) (Credit/No Credit)** A semester's experience as an intern in a historical library, historical society, museum, archive, restoration project, or historical agency of government. Prerequisite: Permission of the department chair and acceptance of the student by an appropriate historical agency.

**5990 HIS Independent Study. (Arr.-Arr.-1 to 6)** Special permission of the department. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and/or 5950 and/or 5997.

**5997 HIS Study Abroad. (Arr.-Arr.-3 to 6)** Special permission of the department. NOTE: A maximum of nine semester hours may be earned in a combination of 5997 and/or 5950 and/or 5990.

## INDUSTRIAL TECHNOLOGY

### Courses Open to Juniors, Seniors, and Graduate Students

**4800 INT Management of Innovation and Technology. (3-0-3)** Study of the development, adoption and implementation of new technology in industry. The focus is on the integration of business and technology strategies. Cross-listed with COM/MGT. 4800. Prerequisite: Senior standing and permission of the instructor.

**4803 INT Plant Layout and Material Handling. (3-0-3)** Study of the arrangement of physical facilities and material handling to optimize the interrelationships among operating personnel, material flow, and the methods required in achieving enterprise objectives efficiently, economically, and safely. Prerequisite: INT 1043 and 1263.

**4813 INT Advanced Digital Media Technologies. (1-4-3)** Class experiences will focus on the advance preparation, merging, and integration of various digital elements into a completed document for printed publication including web page development. The use of scanners, digital cameras, video and audio applications, selection of hardware and cross-platform software interface, design and practical applications of networks will also be highlighted. Prerequisite: A college computer graphics course and permission of the instructor.

**4843 INT Statistical Quality Assurance. (3-0-3)** Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies. Prerequisite: MAT 1271 or its equivalent, junior standing.

**4853 INT Polymers and Composites. (2-2-3)** Study of polymeric and composite material fundamentals, manufacturing processes and applications including plastics and rubber, polymeric composites and other composite materials. Prerequisite: INT 1263; PHY 1151, 1152 or 1351, 1352; and CHM 1310G and 1315G.

**4943 INT Manufacturing Management. (3-0-3)** Survey of technical management areas in a manufacturing operation. This course will include but not be limited to a study of production control methods, plant layout, scheduling, inventory control, and other phases of planning, organizing, and controlling a manufacturing operation. Prerequisite: BUS 3010 and either MAT 1441G or 2110G or permission of the instructor.

**4953 INT Color Management Applications: Print, Textiles, Web and other Substrates. (2-2-3)** Application of color theories, digital color reproduction, and quality control processes as they apply to color in the industries of printing, textiles, and web generated images. Prerequisite: Industrial Technology Majors: INT 3343 Digital Media Technologies, Family & Consumer Sciences Majors: FCS 2244 Consumer Textiles: Care and Production and FCS 3245 Textiles: Color Design Production or permission of the instructor.

**4970 INT Special Topics in Technology. (Arr.-Arr.-1 to 4)** Study of special topics and emerging areas in technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. May be repeated in a different topic. Prerequisite: Permission of the instructor.

### Graduate Courses: See Technology

## INFORMATION SERVICES AND TECHNOLOGY

### Courses Open to Juniors, Seniors, and Graduate Students

**4870 IST Communication, Resources and Technology. (2-2-3)** Theory and principles of communication and technology in the use of instructional resources. Includes methods and techniques, equipment operation, and simple production skills.

**4970 IST Special Topics in Information Services and Technology. (Arr.-Arr.-1 to 4)** Study of special topics and emerging areas in information services and technology not ordinarily covered in standard courses. Topics to be announced. Study may include readings, reports, group discussions, and laboratory activities. May be repeated in a different topic. Prerequisite: Permission of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5330 IST Integrating Technology into the Classroom Experience. (3-1-3)** This course will provide opportunities for teachers who are currently teaching to learn how to address the state and national standards for technology integration for students and from themselves professionally. This course will offer pedagogical and instructional strategies to integrate technology into the K-12 classroom. Prerequisite: Experience with and access to current computer technology.

**5331 IST Applications of Educational Technology. (3-1-3)** Theoretical foundations and practical applications of educational technology are introduced. Collaborative teamwork in the exploration of learning theories and instructional methodologies as they pertain to designing and developing technology-based instruction is emphasized. Prerequisite: Experience with and access to current computer technology, including e-mail and the World Wide Web.

**5890 IST Seminar in Educational Technology. (3-0-3)** The identification, investigation, and analysis of special problems related to the implementation of educational technology in schools. Prerequisite: At least 12 semester hours of Information Services and Technology.

## JOURNALISM

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 JOU Independent Study. (Arr.-Arr.-1 to 3)** Individual pursuit of in-depth study of selected topic in Journalism developed by student. Prerequisite: 75 semester hours and approval of the Department of Journalism chairperson. Course may be repeated for maximum of three semester hours with approval of Journalism chairperson.

**4751 JOU Photojournalism: Photoediting and Design. (3-0-3)** Theory and practice of the photo essay, photo story and other extended forms of photojournalism from inception to display. Stresses magazine-style presentation in book, magazine and newspaper form. Prerequisite: A minimum grade of C in JOU 3001 or permission of instructor.

**4760 JOU Advanced Publication Design. (3-0-3)** Study and application of advanced editing, typography, graphics, and the design of magazines, newspapers, public relations pieces, advertisements, and yearbooks. Prerequisite: A minimum grade of C in JOU 3301 or 3302 or permission of instructor.

**4761 JOU Advance New Media Design. (2-2-3)** The study and design of advanced forms of journalism and storytelling using emerging new media such as streaming audio, video, animations, virtual reality simulations and other means and media. Prerequisite: JOU 3701 and JOU 3702 or permission of the instructor.

**4762 JOU Interactive Reporting and Design. (1-3-3)** Class will focus on the creation of interactive journalistic packages. Industry standard software (such as Flash) and the corresponding scripting languages will be used extensively. The course will emphasize how best to use interactive packages to communicate effectively with diverse audiences. Prerequisite: JOU 3701 and JOU 3702 or permission of the instructor.

**4770 JOU News Media Opinion Writing and Editing. (3-0-3)** Study and practice of how news media perform their opinion function, with emphasis on writing editorials and editing newspaper opinion pages. Prerequisite: JOU 3000 or permission of instructor.

**4771 JOU Communication Law. (3-0-3)** The study of the history and development of media law in the United States. Major emphasis will be placed on speech and press theories, libel, invasion of privacy, copyright, broadcast and advertising regulation, access to government records and meetings, access to court proceedings,

and legal rights and limitations of new media. Prerequisite: Junior standing.

**4801 JOU Issues in Supervising High School Publications. (1-0-1)** Study of the issues faced by advisors to high school publications with emphasis on advisor, administration and staff relationships; staff recruitment and motivation; publication, finance and management; and legal and ethical issues. Prerequisite: Permission of instructor.

**4802 JOU Issues in Supervising High School Newspapers. (1-0-1)** Study of the issues faced by advisors to high school newspapers with emphasis on the advisor's roles and duties; development and implementation of editorial policies; staff organization; development of content; and writing, editing, design and production. Prerequisite: JOU 4801 or permission of instructor.

**4803 JOU Issues in Supervising High School Yearbooks. (1-0-1)** Study of the issues faced by advisors to high school yearbooks with emphasis on advisor's roles and duties; development and implementation of editorial policies; staff organization; development of content; and writing, editing, design and production. Prerequisite: JOU 4801 or permission of instructor.

**4804 JOU Special Topics in Supervising High School Publications. (1-0-1 or 2-0-2)** In-depth study of selected topics related to supervising high school publications. May be taken as many as three times with permission of the department chair. Prerequisite: Permission of instructor.

**4900 JOU Journalism Seminar. (3-0-3)** In-depth study of various topics in journalism. Prerequisite: Permission of instructor.

**4919 JOU Public Relations Techniques (3-0-3)** Effective techniques of a public relations program including basic concepts and principles of the public relations profession, the roles and functions, planning, managing, and executing campaigns. Cross-listed with CMN. 4919. Prerequisite: A minimum grade of C in JOU 3302. Credit will not be given for both JOU 4919 and CMN 4919.

**4920 JOU Case Studies in Public Relations Problems. (3-0-3)** Public relations case problems in industry, business, labor, education, government social welfare and trade associations; the application of public relations techniques. Prerequisite: JOU 4919. Credit will not be given for both JOU 4920 and CMN 4920.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5001 JOU Introduction to Archival Photography. (1-0-1)** Introduction to principles and techniques of basic camera and darkroom procedures for application to archival documentation and presentation, including operation of 35mm camera and production of photo prints and black and white transparencies. Prerequisite: JOU 4751, or enrollment in Historical Administration program, or permission of instructor.

**5620 JOU Social Relations and Media Effects. (3-0-3)** The study of social relations, media, and effects both within professional media and between media institutions and the public. Students will analyze and critique professional media practices and discuss the effects of media systems and messages. Both normative and critical theory of media would be included.

**5630 JOU Computer-mediated Communication. (3-0-3)** A study of current trends in computer technology in society and organizations. Included is the impact of Internet information and commerce upon worldwide communication. An orientation to relevant hardware and software is included. Cross-listed with SPC. 5630.

**5630 JOU Computer-mediated Communication. (3-0-3)** A study of current trends in computer technology in society and organizations. Included is the impact of Internet information and commerce upon worldwide communication. An orientation to relevant hardware and software is included.

## MANAGEMENT

### Courses Open to Juniors, Seniors, and Graduate Students

**4800 MGT/COM/INT. Management of Innovation and Technology. (3-0-3)** Study of the development, adoption and implementation of new technology in industry. The focus is on the integration of business and technology strategies. Prerequisite: Senior standing and admission to the School of Business or permission of the Associate Chair.

**4950 MGT. Management Consulting Research. (Arr.-Arr.-3)** Students in this course will be provided with the opportunity to perform consulting services for small business firms in east-central Illinois. Prerequisites: Senior or graduate standing in the School of Business and admission to the School of Business or the permission of the Associate Chair.

## MATHEMATICS & COMPUTER SCIENCE

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 MAT Linear Programming. (3-0-3)** A study of linear inequalities, linear programming problems, and the techniques for solving linear programming problems by the simplex method. Prerequisite: MAT 2442; and MAT 2550 or 4760.

**4760 MAT Linear Algebra. (4-0-4)** Vector spaces, linear transformations, dual spaces, invariant direct sum decompositions, Jordan form, inner product spaces. Prerequisite: MAT 2550 and 3530.

**4780 MAT Mathematics of Interest. (3-0-3)** Compound and simple interest, annuities, amortization and sinking funds, bonds, and other topics related to insurance. Prerequisite: MAT 2443 and 3701.

**4800 MAT Diagnosis, Remediation, and Technology in Teaching Mathematics, K-12. (2-0-2)** The study of diagnosis, prescription, and remediation and their applications in teaching mathematics, K-12, as well as the applications of modern technological advances to the teaching of mathematics. Prerequisite: MAT 3400 or 3520 or 3620 or permission of the instructor.

**4810 MAT Topics in Elementary and Middle Level Mathematics. (Arr.-Arr.-1 to 4)** Topics from mathematics useful in the elementary, middle level, and/or junior high school such as: probability, history of mathematics, Logo, number theory, etc. This course may be repeated for credit. A maximum of nine semester hours credit may be counted toward a degree program. Prerequisite: High school Geometry and Algebra II, or MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better.

**4830 MAT Introduction to Complex Analysis with Applications. (3-0-3)** Introduction to complex numbers, analytic functions, linear fractional transformations, the Cauchy-Goursat theorem, residues and poles. Prerequisite: MAT 2443.

**4850 MAT Operations Research. (3-0-3)** Construction and use of mathematical models in industrial problem solving; linear programming, decision and game theory. PERT-CPM, inventory

models, queuing theory, and simulation. Prerequisite: MAT 2550, 3702 and 4750.

**4855 MAT Introduction to Topology. (3-0-3)** Introduction to topological spaces, continuous functions, connectedness, compactness, countability and separation axioms, the Tychonoff theorem, and complete metric spaces. Prerequisite: MAT 3530 or permission of the instructor.

**4860 MAT Mathematical Analysis. (4-0-4)** A study of limits, convergence of sequences and series, continuity, differentiation, and Riemann integration. Prerequisite: MAT 3530, and C or better in MAT 2443.

**4870 MAT Data Structures and Algorithm Analysis. (3-0-3)** Advanced data structures and analysis of their related algorithms; trees, heaps and graphs; searching and sorting. C++ or another object-oriented language will be introduced and used to implement algorithms. Prerequisite: MAT 2670 or permission of the instructor.

**4900 MAT History of Mathematics. (3-0-3)** The Ancient Orient. The period of Ancient Greece. The Hellenistic period. Seventeenth to nineteenth century A.D. The beginnings of modern Mathematics. Prerequisite: MAT 2442.

**4910 MAT Number Theory. (3-0-3)** Divisibility, primes, congruences, power residues, quadratic reciprocity, numerical functions, diophantine equations. Prerequisite: MAT 3530.

**4920 MAT Algebra and Geometry for Middle Level Teachers. (3-0-3)** The study of algebra and geometry as formal systems, finite geometries, constructions and the classic impossibilities, tessellations, polyhedra, transformational geometry, symmetry and similarity. Prerequisite: MAT 1271 or placement by ACT Mathematics score; and MAT 1420 and 2420G, all with a C or better.

**4970 MAT Principles of Operating Systems. (3-0-3)** Historical development of operating systems, processes, and concurrency, memory management, file systems, I/O. Case studies include UNIX, DOS, MVS. Prerequisite: MAT 3670 or permission of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5035 MAT Topics in Computer Science. (4-0-4)** Selected topics in theoretical or applied computer science. Topics may vary depending on student and faculty interests. May be repeated once for credit with change of topic. Prerequisite: Permission of the instructor.

**5050 MAT Numerical Analysis. (4-0-4)** Rounding errors, difference equations, solutions of equations and systems of equations, interpolations, numerical differentiation. Prerequisite: MAT 2310 and 3501.

**5100 MAT Abstract Algebra. (4-0-4)** Introduction to the study of groups, rings and fields. Prerequisite: MAT 3530 and 4760.

**5151 MAT Probability. (4-0-4)** Elementary and general probability spaces. Random variables, multivariate distributions and the algebra of expectations. Prerequisite: MAT 3702.

**5152 MAT Statistics. (4-0-4)** Random sampling, the law of large numbers, confidence intervals, regression, sampling from a normal population and testing hypotheses. Prerequisite: MAT 5151.

**5200 MAT Higher Geometry. (4-0-4)** A selection of topics from transformation geometries. Prerequisite: MAT 4760.

**5210 MAT An Introduction to Differential Geometry. (4-0-4)** Local theory of curves and surfaces in Euclidean space. The first and

second fundamental forms of a surface. Normal and geodesic curvatures of a curve on a surface. Mean and Gaussian curvatures of a surface. Geodesic lines. Theorema Egregium. Global theorem on curves in Euclidean plane. Prerequisite: MAT 2443.

**5220 MAT Topology. (4-0-4)** Metric spaces. Topological spaces. Connectedness. Compactness. Prerequisite: MAT 4860.

**5301 MAT Real Variables. (4-0-4)** Set theory. Cardinal numbers. Real numbers. Measure theory. Lebesgue theory. Prerequisite: MAT 4860.

**5330 MAT Complex Variables. (4-0-4)** Complex numbers, analytic functions, conformal mappings, complex integrals. Prerequisite: MAT 4830 and 4860.

**5335 MAT Topics in Mathematics. (Arr.-Arr.-2 to 4)** Topics selected from advanced areas in mathematics. Topics may vary depending on student and faculty interests. May be repeated for credit.

**5400 MAT The Teaching of Mathematics in Grades K-6. (3-0-3)** The techniques, methods, and materials used in teaching the concepts and skills of arithmetic in grades K through six. Prerequisite: Enrollment in the curriculum for elementary teachers.

**5410 MAT Introduction to Research in Mathematics Education. (3-0-3)** This course provides experiences in defining problems and in using research techniques to apply, interpret, and evaluate research specific to mathematics education. Prerequisite: Eight semester hours of coursework in the degree program.

**5635 MAT Mathematical Topics for Secondary School Mathematics Teachers. (Arr.-Arr.-2 or 3)** Topics selected from areas of mathematics useful in teaching high school mathematics including algebra, analysis, geometry, etc. May be repeated for credit if a different topic is taught. A maximum of nine semester hours credit may be earned toward a Master's degree program.

**5700 MAT Topics in Teaching Mathematics. (Arr.-Arr.-2 to 4)** Study of problems which arise in teaching secondary mathematics, research in mathematics education; assigned reading reports. Prerequisite: Experience teaching grades six through twelve. May be repeated for a maximum of nine semester hours credit.

**5810 MAT Topics in Mathematics for Elementary/Middle School Teachers. (Arr.-Arr.-1 to 4)** Topics in mathematics useful in the elementary and/or middle level classroom. Topics include, but are not limited to, algebra, number theory, geometry, graph theory, probability and statistics. This course may be repeated for credit. A maximum of 6 semester hours credit may be counted toward a degree program. Prerequisite: Experience teaching elementary or middle level grades.

**5950 MAT Thesis. (Arr.-Arr.-3 to 6)** As arranged. (Credit/No Credit) NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5990 MAT Independent Study. (Arr.-Arr.-1 to 6)** As arranged. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

## MIDDLE LEVEL EDUCATION

### Courses Open to Juniors, Seniors, and Graduate Students

These courses may be used toward satisfying requirements for M.S. Ed. in Elementary Education.

**4760 MLE. Student Social-Emotional Development in the Middle Grades. (3-0-3)** Instruction and planning in exploratory and teacher-based advisor-advisee programs. Prerequisite: MLE 3110 or equivalent or permission of department chairperson. Concurrent

enrollment with MLE 3150 and 4280 desired.

**4781 MLE. Topics in Junior High/Middle School Education. (Arr.-Arr.-1-3)** Current research and practices in junior high school/middle school education, (e.g., organization of school advisory programs, utilization of technology, staff development, legal/ethical concerns, curriculum issues, etc.). Prerequisites: MLE 2000 or ELE 2000; ELE 2320; MLE 3110; or permission of department chairperson.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5110 MLE Principles and Procedures in the Middle-Level School. (3-0-3)** Definition and rationale for middle level education, historical development, components of the middle school, curriculum and organizational patterns, teacher's role in middle-level education, and planning for instruction. This course partially fulfills the ISBE requirements for middle-level endorsement.

**5150 MLE Interdisciplinary Curriculum in the Middle-Level School. (3-0-3)** Interdisciplinary organization of curriculum and instructional techniques appropriate for middle-level schools. Emphasis on instruction in multiple content areas appropriate for grades 6-8 including enhancement of instruction with available technology. Appropriate assessment measures which comply with current state mandates are also emphasized. This course partially fulfills the ISBE requirements for middle-level endorsement.

**5270 MLE Content Area Literacy Instruction. (3-0-3)** Knowledge, skills, and strategies for teaching content area literacy in Grades 6 through 12. Topics will include assessment of student literacy skills, selection of appropriate materials, reading-writing relationships and processes, meeting diverse needs, effective instructional strategies, motivation, and evaluation. Prerequisite: Graduate standing and classroom teaching experience.

**5400 MLE Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with CSD/EDA/EDU/ELE/SED/SPE/STG. 5400. Prerequisite: Admission to the Graduate School.

**5700 MLE Seminar in Middle/Junior High School Education. (Arr.-Arr.-1 to 3)** Intensive study of important contemporary issues, problems, developments and trends in Middle and Junior High School Education. A maximum of six semester hours may be earned in MLE 5700 or in ELE 5950 or in ELE 5990, but no more than nine semester hours may be earned in any combination of these.

## MUSIC

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 MUS Choral Arranging. (2-0-2)** A practical approach to developing skill in scoring and arranging for various vocal ensemble combinations. Prerequisite: Three semesters of music theory.

**4770 MUS Vocal Literature. (2-0-2)** The study of a selected topic in vocal literature from German Lied, French chanson, American and British art song, or opera. May be taken twice for credit.

**4840 MUS Band Arranging. (2-0-2)** A course in scoring and arranging materials for instrumental ensembles.

**4850 MUS Jazz Band Arranging. (2-0-2)** A course dealing with the basic problems and techniques involved in arranging for a jazz band. Prerequisite: MUS 2543 or equivalent.

**4860 MUS Marching Band and Jazz Band Techniques. (2-0-2)** A study of teaching strategies, literature, and organizational/administrative paradigms for the high school marching band and jazz band. Prerequisite: MUS 3400 or permission of the instructor.

**4861 MUS Jazz Pedagogy. (2-0-2)** A study of the methods and materials necessary for teaching jazz music. Students will have peer teaching experiences. Students will need basic conducting and keyboard skills as well as a grasp of the fundamentals of music theory. This class is required of all students in the Jazz Studies Concentration. Prerequisite: Permission of the instructor.

**4870 MUS Style Period Proseminar. (3-0-3)** Stylistic study of the music of a period pre-selected from the following: 1) Middle Ages; 2) Renaissance; 3) Baroque; 4) Rococo-Classical; 5) Romantic; and 6) Twentieth Century. May be repeated for a maximum of 18 semester hours of undergraduate credit or nine semester hours of graduate credit. Prerequisite: Music 3581 or 3582.

**4920 MUS Keyboard Literature. (3-0-3)** A study of selected literature. May be taken twice for credit.

**4950 MUS Accompanying. (Arr.-Arr.-1)** Vocal and instrumental accompanying techniques combined with practical application. May be substituted by keyboard principals and primaries for one hour of large ensemble. Prerequisite: Junior level or permission of instructor.

**4980 MUS Workshop in Music. (Arr.-Arr.-1 to 3)** Literature, theory, techniques, pedagogy, and/or style in various media. Provided a student does not repeat courses with same content, he/she may earn a maximum of eight semester hours credit. Graduate students may enroll for a maximum of four semester hours.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5100 MUS Introduction to Research in Music. (3-0-3)** An introduction to the various aspects of the musical discipline intended to enable the student to think, research, and write intelligently about his/her field.

**5120 MUS Music Theater/Opera Workshop. (0-4-2)** The study and performance of Music Theatre and Opera. Prerequisite: Permission of the instructor.

**5170 MUS Analytical Techniques. (3-0-3)** An investigation of structure, stylistic characteristics, and compositional techniques.

**5510 MUS Voice. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5520 MUS Flute. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5521 MUS Oboe. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5522 MUS Clarinet. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5523 MUS Bassoon. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5524 MUS Saxophone. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5525 MUS Recorders. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5530 MUS Trumpet. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5531 MUS Horn. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5532 MUS Trombone. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5533 MUS Baritone. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5534 MUS Tuba. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5540 MUS Percussion. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5550 MUS Violin. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5551 MUS Viola. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5552 MUS Violoncello. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5553 MUS String Bass. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5560 MUS Piano. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5561 MUS Organ. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5562 MUS Harpsichord. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5563 MUS Graduate Applied Jazz. (Arr.-Arr.-1,-2, or -4)** Individual graduate-level study in jazz performance or any instrument. Open to graduate students in music. May be repeated for credit. Prerequisite: Admission to the graduate program in music, a performance audition, and permission of the instructor.

**5570 MUS Composition. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5571 MUS Organ Service Playing. (Arr.-Arr.-1, 2 or 4)** As arranged. Prerequisite: Auditions are required for initial placement in this course.

**5575 MUS Conducting. (Arr.-Arr.-1,-2, or -4)** Applied conducting skills for graduate students in music taught on an individual basis. Prerequisite: Admission to the graduate program in music, a performance audition, and permission of the instructor.

**5600 MUS Symphonic Wind Ensemble. (0-4-1)** A select ensemble for in-depth study of major literature for winds and percussion. Prerequisite: Permission of the instructor.

**5601 MUS Concert Band. (0-4-1)** A performance ensemble designed for in-depth study, preparation, and performance of all types of standard band literature. Prerequisite: Permission of the instructor.

**5602 MUS Panther Marching Band. (0-6-1)** The Panther Marching Band performs contemporary musical arrangements and drill designs during the football season for all home games and takes off-campus tours each season. Prerequisite: Permission of the instructor.

**5604 MUS Chamber Music, Winds. (Arr.-Arr.-1)** The study and performance of chamber music involving wind instruments. Prerequisite: Permission of instructor.

**5605 MUS Flute Choir. (0-2-1)** Flute Choir performs transcribed and original works on and off campus throughout the semester. Prerequisite: Permission of instructor.

**5606 MUS Clarinet Choir. (Arr.-Arr.-1)** The study and performance of ensemble literature for the clarinet family. Rehearsals are limited to two hours weekly. Prerequisite: Permission of instructor.

**5607 MUS Saxophone Quartet. (Arr.-Arr.-1)** A performance-oriented course in which the student participates in the study of the saxophone in a chamber ensemble setting. Emphasis will be placed on performing, studying, and analyzing the standard repertoire. Prerequisite: Permission of instructor.

**5610 MUS Orchestra, Strings. (0-4-1)** Graduate students will have advanced experience in string sectionals and orchestral performance. Prerequisite: Permission of instructor.

**5611 MUS Orchestra, Winds. (0-4-1)** Graduate students will have advanced experience in wind and percussion sectionals as well as orchestral performance. Prerequisite: Permission of instructor.

**5615 MUS Chamber Music, Strings. (Arr.-Arr.-1)** The study and performance of chamber music involving string instruments. Prerequisite: Permission of instructor.

**5620 MUS Jazz Ensemble. (0-4-1)** This ensemble offers students the opportunity to play the finest in jazz band music. The Jazz ensemble rehearses four days each week. Various programs (including tours and festivals) are performed each year. Prerequisite: Permission of instructor.

**5621 MUS Jazz Lab Band. (0-2-1)** This ensemble offers students the opportunity to play the finest in jazz band music. The Jazz Lab Band rehearses two evenings each week. Various programs (including tours and festivals) are performed each year. Prerequisite: Permission of instructor.

**5622 MUS Jazz Combo. (Arr.-Arr.-1)** Jazz combos of four to six musicians perform and study the standard repertoire of the jazz idiom as well as develop improvisational skills. Prerequisite: Permission of instructor.

**5630 MUS Concert Choir. (0-4-1)** An auditioned, select choir of 45 voices that performs a wide variety of short and medium-length choral compositions by significant composers. Prerequisite: Permission of instructor.

**5631 MUS Mixed Chorus. (0-4-1)** An ensemble of mixed voices that studies and performs choral literature of various styles. Prerequisite: Permission of instructor.

**5632 MUS Show Choir. (0-4-1)** The Collegians is an ensemble of 24 singers and 99 instrumentalists, selected through audition, that performs current popular, jazz, and Broadway music. The ensemble is both costumed and choreographed. Prerequisite: Permission of instructor.

**5633 MUS Chamber Singers. (Arr.-Arr.-1)** A select, 16-voice choral ensemble that performs madrigals and other choral literature

appropriate for a chamber choir. Prerequisite: Permission of instructor.

**5640 MUS Percussion Ensemble. (0-5-1)** The study and performance of percussion literature from 1930 to the present. Prerequisite: Permission of instructor.

**5642 MUS Latin Percussion Ensemble. (0-5-1)** The study of techniques and performance of Latin and Pop music on Latin American instruments. Prerequisite: Permission of instructor.

**5660 MUS Chamber Music, Keyboard. (Arr.-Arr.-1)** The study and performance of ensemble literature that involves at least one keyboard instrument and performer. Prerequisite: Permission of instructor.

**5700 MUS History and Philosophy of Music Education (3-0-3)** This course will examine the historical and philosophical aspects of contemporary music education. Students will study the purpose, function, and reasoning for inclusion of music in general education. Prerequisite: Admission to the graduate program in music.

**5701 MUS Psychology of Music Teaching and Learning Psychology of Music (3-0-3)** explores how people acquire musical knowledge and skills. Emphasis is placed on analysis of research related to understanding musical behaviors and improving music instruction based upon quantitative and qualitative research. Prerequisite: Admission to the graduate program in Music.

**5702 MUS Graduate Seminar in Music Education (1-0-1)** This seminar will explore contemporary topics in Music Education. It will include guest lectures, group discussion, and presentations. Prerequisite: Admission to the graduate program in Music.

**5855 MUS Advanced Choral Conducting. (3-0-3)** A study designed to assist the choral conductor in: a) development of the choral instrument, b) preparation of the choral score, c) understanding performance practices, and d) rehearsing the ensemble efficiently in pursuit of artistic goals. Prerequisite: MUS 3155 or equivalent.

**5860 MUS Advanced Instrumental Conducting. (3-0-3)** The course is designed to prepare the graduate instrumental conductor in the following areas: a) development of the instrumental ensemble, b) interpretation of the score, c) problems unique to the band and to orchestra, and d) efficient preparation and performance of the ensemble. Prerequisite: MUS 3260 or equivalent.

**5880 MUS Seminar in Music History. (3-0-3)** Intensive study of selected historical topics.

**5940 MUS Graduate Recital. (Arr.-Arr.-3) As arranged. (Credit/No Credit)** Public performance in which a student demonstrates competency as a performer and/or conductor. Includes a systematic analysis of works to be presented. NOTE: A maximum of nine semester hours may be earned in a combination of 5940 and 5990. Prerequisite: Admission to degree status and advisor approval.

**5950 MUS Thesis. (Arr.-Arr.-3 to 6) As arranged. (Credit/No Credit)** NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5980 MUS Internship in Music Instruction I and II. (Arr.-Arr.-3)** Advanced instruction in teaching voice, piano, and other instruments in class and individualized instruction.

**5990 MUS Independent Study. (Arr.-Arr.-1 to 6)** Student must submit an outline of his/her plan of work to the Department of Music chair for approval and assignment to an instructor. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and 5950 or 5940.

## PHYSICAL EDUCATION

### Courses Open to Juniors, Seniors, and Graduate Students

**4760 PED Sport Law. (3-0-3)** A survey of the law of liability, negligence and tort in sport (including coaching) and fitness agencies. Pertinent concepts related to owning and operating a fitness club and legal constraints affecting the operation of athletic facilities will be included. Prerequisite: PED 4320 or permission of the instructor.

**4761 PED Sport Management and Administration. (3-0-3)** Concepts, administrative processes, systems and styles with theoretical application to leadership in various sport and fitness environments. Prerequisite: PED 4320 or permission of instructor.

**4762 PED Publicity in Sports. (3-0-3)** Application and protocol of sports publicity strategies. Prerequisite: JOU 3820 or permission of instructor.

**4880 PED Theory of Motor Behavior. (3-0-3)** A study of the factors influencing human movement and skill learning. Emphasis is placed upon theories and concepts relating to motor skill performance.

**4900 PED Special Topics in Exercise Physiology. (1-0-1)** Study of special topics and contemporary issues and trends in exercise physiology. May be repeated with different topics for up to three undergraduate and/or three graduate credits with permission of advisor or Department Chair. Prerequisite: PED 2440, 4340, BIO 2001G; or equivalent undergraduate exercise physiology course.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5000 PED Research Methods in Health, Physical Education and Recreation. (3-0-3)** An exposure to various types of research methods in related subject areas, a critical evaluation of selected studies, and writing the research report. Prerequisite: Graduate degree-seeking status or permission of the department chair.

**5001 PED Analysis and Interpretations of Statistical Data in Health, Physical Education and Recreation. (2-0-2)** This course is designed to provide the graduate student with basic statistical tools useful in the planning, design and evaluation of studies in Health, Physical Education and Recreation. Prerequisite: PED 4470 or equivalent (may be taken concurrently); graduate degree-seeking status or permission of the department chair.

**5120 PED Social Psychology and Physical Activity. (3-0-3)** Study of psychological theories, influence of an audience, the use of social reinforcement, the influence of a model, the impact of competition, personality, attitudes and aggression in physical activity.

**5125 PED Stress Management for Exercise and Health Specialists. (3-0-3)** An exposure to various methods of performing and teaching stress management skills for exercise and health specialists; and how to develop, implement and evaluate the effectiveness of stress management and intervention programs.

**5131 PED Lower Extremity and Specific Injury Problems. (3-0-3)** Lecture and seminar approach to investigate sports medicine problems relating to lower extremity and specific injuries. Material will be presented from the perspective of coaching problems in these areas.

**5134 PED Injury Recognition with Head, Neck, and Upper Extremity Problems. (3-0-3)** Lecture and seminar approach to investigating sports medicine problems relating to the injury recognition of head, neck, and upper extremity injuries. Material will

be presented from the perspective of coaching problems in these areas.

**5137 PED Therapeutic Modalities and Nutrition. (3-0-3)** Lecture and seminar approach to investigating sports medicine problems relating to therapeutic modalities and nutrition.

**5140 PED Current Trends in the Teaching of Physical Education in the Elementary and Junior High School. (3-0-3)** Materials organization and program of physical education. Integration of physical education with general education.

**5200 PED Curriculum Development in Physical Education. (3-0-3)** Principles and methods; different psychological and educational points of view; organizing a course of study; making units of instruction.

**5210 PED Administration of Interscholar Athletics. (2-0-2)** Organization and control of interschool athletics at the national, state, and local levels. Staff; programs; budget; health and safety; facilities.

**5211 PED Promotions in Sports Administration. (3-0-3)** Promotion and fund raising in today's high school and university sports settings.

**5220 PED Organization and Administration of Physical Fitness and Cardiac Rehabilitation Programs. (2-0-2)** The course is designed to provide the student with organizational and administrative direction in planning and implementing adult fitness and cardiac rehabilitation programs.

**5225 PED Physical Activity and Aging. (3-0-3)** This course includes information on theories of physical aging, functional changes in humans with aging, and effects of both short term and chronic physical activity upon aging systems. Indications and contraindications of activity for older persons are discussed.

**5230 PED Physiology of Exercise. (3-0-3)** A study of the immediate and long-range effects of muscular activity upon the respiratory, circulatory, and muscular systems. Prerequisite: BIO 2001G or equivalent.

**5250 PED Exercise Electrocardiography. (3-0-3)** The course is designed to instruct the student in the basics of the normal and abnormal resting and exercise electrocardiogram. Involves lecture experiences and intensive investigation of documented ECG-GTX case studies. Prerequisite: One course in Exercise Physiology and permission of the instructor.

**5300 PED Advanced Administration of Physical Education in Schools. (2-0-2)** Liability; construction of facilities; purchase and care of athletic equipment; budget and finance; evaluative procedures; general administrative control; leadership; public relations.

**5450 PED Supervisory Experiences in Adult Fitness. (3-0-3)** The course is designed to provide the student with practical experience in supervising the testing and exercise sessions in an adult fitness program at Eastern Illinois University. Prerequisite: One course in Exercise Physiology, CPR certified, and permission of the instructor.

**5570 PED Analysis of Human Motion. (3-0-3)** Study of mechanical principles as they relate to body movement, and of body structure and function as they relate to human motion. Prerequisite: PED 2440.

**5630 PED Philosophy of Physical Education. (3-0-3)** Study of principles of physical education with application to current problems in the field.

**5640 PED Graded Exercise Testing and Exercise Prescription for the Apparently Healthy and the Cardiac Patient. (3-0-3)** The course is designed to examine the theoretical and practical aspects of cardiovascular testing devices and their protocols. In addition,

classic techniques in exercise prescription will be investigated and implemented in real life situations. Prerequisite: One course in Exercise Physiology, PED 5250, and permission of the instructor.

**5655 PED Supervisory Experience in Cardiac Rehabilitation. (3-0-3)** The course is designed to provide the student with observation and practical experience involving the Cardiac Rehabilitation Program at Sarah Bush Lincoln Health Center and Eastern Illinois University. Prerequisite: PED 5250, 5450, CPR certified, and permission of the instructor.

**5700 PED Advanced Measurement and Evaluation. (3-0-3)** Techniques and procedures employed in obtaining anthropometric, metabolic, cardiorespiratory and other physiological data in laboratory and field environments.

**5710 PED Sociological Bases of Sport in America. (3-0-3)** The role of sport in American culture. Influence of basic social units, fundamental social processes and social values on sport in America.

**5720 PED Sport, Film and Culture. (3-0-3)** An analytical examination of the interrelationship of sport, human movement, and popular culture using film as an academic prism. Prerequisite: Graduate status.

**5800 PED Analytical Readings in Health, Physical Education and Recreation. (3-0-3)** Assigned readings in professional publications for education and health and physical education articles.

**5901 PED Seminar in Health, Physical Education, Recreation, and Sports. (Arr.-Arr.-1)** Discussion of reports, current problems, trends and research. Required for candidates for the M.S. in physical education. Prerequisite: Graduate degree-seeking status or permission of the department chair.

**5950 PED Thesis. (Arr.-Arr.-3 or 6) (Credit/No Credit) NOTE:** A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5980 PED Internship in Sports Administration. (Arr.-Arr.-3)** A supervised experience in the various aspects of sports administration. Student will be assigned to a hosting agency which could be a school or college; a sports arena, stadium, recreation area, or a professional team. NOTE: May be repeated for three hours with permission of department chair.

**5990 PED Independent Study. (Arr.-Arr.-1 to 6)** Individual pursuit of study selected by the student. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

## PHYSICS

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 PHY Thermodynamics and Statistical Mechanics. (4-0-4)** Thermometry, thermodynamic laws, kinetic theory, Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics and applications. Prerequisite: PHY 1361/1362 and MAT 2442.

**4800 PHY Independent Study. (Arr.-Arr.-1 to 6)** Selected problems based on the student's interests. Admission and assignment of problems by arrangement. Laboratory, reading, and conference. Prerequisite: Permission of the instructor.

**4850 PHY Quantum Mechanics and Atomic Physics I. (4-0-4)** Schrodinger equation applied to one-, two-, and three-dimensional problems, harmonic oscillator and hydrogen atom, uncertainty principle. Prerequisite: PHY 2400 and 3080; MAT 2443 and 3501.

**4860 PHY Quantum Mechanics and Atomic Physics II. (2-0-2)** Applications of the Schrodinger equation to nuclear, solid state,

exclusion principle, angular momentum, atomic spectroscopy. Prerequisite: PHY 4850.

**4870 PHY Mathematical Methods of Physics. (3-0-3)** Selected topics from dynamics (Lagrangian, Hamiltonian), electromagnetic theory (Maxwell's equations), etc. Prerequisite: PHY 2400, MAT 2443 and 3501.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

The following courses are available for the M.S. in Natural Sciences degree. All six of these courses are heavily laboratory oriented with emphasis on material pertinent to the high school physics laboratory.

**5090 PHY Special Topics in Physics for Natural Science Teachers. (Arr.-Arr.-1 to 3)** Intensive investigation of relevant topics of student/faculty interest. Prerequisite: Enrollment in the MS in Natural Sciences program and consent of the instructor.

**5120 PHY Classical Mechanics for Natural Science Teachers. (2-1-3)** An in-depth study of the fundamental concepts of classical mechanics. Applications from Newton's laws of motion, conservation of energy and momentum, rotational motion, angular momentum, moment of inertia and torque, universal law of gravitation, etc. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5130 PHY Electrodynamics and Thermodynamics for Natural Science Teachers. (2-1-3)** Topics of special interest for natural science teachers selected from electricity, magnetism and thermodynamics including: sources of electric and magnetic fields, charge and current sources, electromagnetic waves, Maxwell's equations, heat transfer, entropy, conservation of energy and the Laws of Thermodynamics. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5140 PHY Electronics for Natural Science Teachers. (1-2-3)** Topics include circuit analysis and design, circuits involving diodes, transistors, integrated circuits, operational amplifiers, tubes. Laboratory experience will be heavily emphasized throughout this course. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5150 PHY Astronomy for Natural Science Teachers. (2-1-3)** Topics from modern astronomy selected from three central areas: planetary astronomy, stellar astronomy and cosmology. Topics include general features of planetary systems, stellar evolution and collapse, black hole formation, galaxy classification, quasars, curved spacetime, big bang cosmology, inflation, etc. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5160 PHY Modern Physics for Natural Science Teachers. (2-1-3)** An introduction to the principles of modern physics using the principles of relativity and quantum mechanics. Topics include special relativity, black body radiation, atomic, nuclear and quark physics, strong, weak, electromagnetic and electro-weak forces, grand unified theories, general relativity. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

**5170 PHY Optics for Natural Science Teachers. (2-1-3)** Principles of optics are developed through the general theories of geometrical, wave and quantum optics. Applications include thin and thick lenses, interferences, diffraction, emission and absorption, spectroscopy, lasers, holography. Prerequisite: General college physics and high school science teaching experience or permission of the department chair. Credit may be counted only toward the M.S. in Natural Sciences degree.

## POLITICAL SCIENCE

### Courses Open to Juniors, Seniors, and Graduate Students

**4774 PLS American Constitutional Law. (3-0-3)** An analysis of Supreme Court decisions on federalism; powers of the President, Congress and the Supreme Court; commerce; taxation; and the civil liberties of the individual.

**4793 PLS Public Organization Theory. (3-0-3)** The application of organization theory to administrative structures, processes and behavior in government bureaucracies. Includes an examination of bureaucratic politics and policymaking, administrative leadership and alternative models of public organization and management. Prerequisite: PLS 1153G or permission of the instructor.

**4823 PLS International Policy Issues. (3-0-3)** An analysis of contemporary world problems from the point of view of different nation-states. Students will help select the issues. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.

**4853 PLS Contemporary Constitutional Development. (3-0-3)** An analysis of current decisions and politics of the Supreme Court with emphasis on equal protection, first amendment, due process, and changes in the powers of the executive, legislative and judicial branches. Prerequisite: Three semester hours in public law or permission of the instructor.

**4873 PLS Human Resource Management in Government. (3-0-3)** An examination of the political environment's impact on personnel policies of local, state and federal agencies. Policies ranging from rights of government employees to affirmative action programs will be explored. Prerequisite: PLS 1153G or permission of the instructor.

**4893 PLS Government Budgeting and Politics. (3-0-3)** An examination of the processes, techniques and politics of federal, state and local government budgeting. The course includes analysis of government taxation, revenues and expenditures; capital budgeting; financial management; and the variety of strategies used by the participants in public budgeting. Prerequisite: PLS 1153G or permission of the instructor.

**4903 PLS Classic Political Theory. (3-0-3)** The origins and evolution of major concepts in political thought from the time of Pericles through Rousseau. Prerequisite: Six semester hours of political science or permission of the instructor.

**4913 PLS Contemporary Political Theory. (3-0-3)** Concepts in political thought with an emphasis on the development of communist, fascist, social democratic and contemporary theory. Prerequisite: Six semester hours of political science or permission of the instructor.

**4933 PLS Ideologies of the Third World Nations. (3-0-3)** Survey of Third World political thought with a focus on the ideologies of nationalism, revolution, socialism, and democratic reform. Prerequisite: Three semester hours of political science or permission of the instructor.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the

instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5023 PLS Proseminar in International Politics. (3-0-3)** Approaches to the study of international politics and contemporary world problems. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.

**5033 PLS Comparative Institutional Analysis. (3-0-3)** This course provides a comparative analysis of political systems, focusing on various political institutions. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.

**5043 PLS International Political Economy. (3-0-3)** This course examines the theories, the institutions and the political actors involved in international political economy including such political science theories as neo-liberalism and hegemonic stability. In addition, the course explores topics including international debt and regional trading blocs as well as the development of Bretton Woods institutions and the World Trade Organization. Prerequisite: Graduate status.

**5053 PLS Research Methods. (3-0-3)** Problems and techniques of social scientific and policy oriented research; methods of data analysis including research design, applied regression analysis and cost-benefit analysis. Prerequisite: Three semester hours of political science or permission of the instructor.

**5073 PLS Seminar in Political Behavior. (3-0-3)** An analysis of political behavior; political participation, voting behavior, political parties, interest groups, protest and theories of authoritarian behavior.

**5133 PLS Governments and Politics of Asia (3-0-3)** An in-depth analysis of Asian politics and governments, with a focus on regime types, political economy, regional integration, international relations and selected issues important to the region.

**5153 PLS Cities, Politics and Urban Policy. (4843) (3-0-3)** An analysis of cities in the United States, with a focus on local governmental structures, power, and decision-making; urban leadership and administration; contemporary policy problems and strategies; and federal and state policies toward cities and suburbs.

**5163 PLS Subnational Government. (3-0-3)** The comparative analysis of empirical research in the field of state politics, policy and government. The seminar will examine and evaluate approaches to the study of political phenomena at the state level.

**5173 PLS Seminar in Congressional Politics. (3-0-3)** The study of individual and group political behavior in the United States Congress through reading, discussion and individual research. Prerequisite: Nine semester hours in the social sciences or permission of the instructor.

**5273 PLS Presidential Politics. (3-0-3)** An analysis of presidential politics in the United States, focusing on the approaches used to study the presidency, presidential elections, personality, power, decision-making, and the office of the presidency.

**5433 PLS Proseminar in Comparative Politics. (3-0-3)** An introduction to the study of Comparative Politics at the graduate level.

**5533 PLS Seminar in Political Modernization. (3-0-3)** Analysis of theories of political development and modernization. Review of the challenges facing rapidly changing societies and the appropriateness of national responses to these problems. Prerequisite: Six semester hours in the social sciences or permission of the instructor.

**5543 PLS Proseminar in Public Administration and Policy. (3-0-3)** Contemporary administrative policies and processes are explored

through reading, discussion and individual research. Prerequisite: PLS 3413 or permission of the instructor.

**5843 PLS Topical Seminar in Public Policy. (3-0-3)** A topical seminar in the formation, substance, and impact of public policy, including examination of future policy choices. The policy issues examined will vary from year to year. This course may be repeated once with the prior approval of the graduate advisor if the course content is significantly different.

**5950 PLS Thesis. (Arr.-Arr.- 3 to 6) As arranged. (Credit/No Credit) NOTE:** A maximum of nine semester hours may be earned in a combination of 5950 and/or 5980 and/or 5990 and/or 5997.

**5980 PLS Administrative Internship. (Arr.-Arr.-1 or 2 or 3) (Credit/No Credit)** A student will serve as an intern in a federal, state, county, municipal or party organization or agency appropriate to his/her area of concentration. May be repeated for a maximum of six semester hours of credit toward the degree. Open only to students enrolled as Political Science graduate students. Prerequisite: Permission of the department chair. A maximum of nine semester hours may be earned in a combination of 5950 and/or 5980 and/or 5990 and/or 5997.

**5990 PLS Independent Study. (Arr.-Arr.-1 to 6)** An intensive study in some specialized area of interest in political science; the student must present an individual study plan for approval. Prerequisite: Nine semester hours of graduate courses in political science. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and/or 5980 and/or 5990 and/or 5997.

**5997 PLS Study Abroad. (Arr.-Arr.-3 to 6)** Special permission of the department. NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and/or 5980 and/or 5990 and/or 5997.

## PSYCHOLOGY

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School. Students must have permission of the instructor or formal admission into the Clinical Psychology or School Psychology program prior to enrolling in all psychology graduate courses.)

\*Requires additional fee to cover the costs of forms needed for psychological testing.

**5004 PSY Personality Assessment: Foundations. (3-0-3)** An introduction to the conceptual foundations of personality assessment with an emphasis on the evaluation of quality of evidence and decision making processes. Major approaches to assessment are surveyed and the student develops competencies in behavioral methods, including interviewing and observation. Prerequisite: PSY 3590 and 3601, or permission of the instructor.

**5005 PSY Personality Assessment II: Child and Adolescent. (3-0-3)** A competency-based course in personality assessment techniques designed for use with children and adolescents. Behavior rating scales, self-report inventories, projective techniques, and interviewing are covered. Special consideration is given to the assessment of children from diverse cultural and ethnic backgrounds. Requires additional fee to cover the costs of forms needed for psychological testing. Prerequisite: PSY 3601 and permission of the instructor.

**5015 PSY Individual Intellectual Assessment. (4-0-4)** Intensive study of the nature of intelligence and its measurement. Administration, interpretation-report writing and critical analysis of Wechsler and Stanford-Binet scales are emphasized. Non-biased assessment, assessment of minorities and exceptional populations, and applications of individually administered intelligence instruments

are studied. Requires additional fee to cover the costs of forms needed for psychological testing. Prerequisite: PSY 3601; admission into Psychology graduate program or permission of the instructor.

**5020 PSY Advanced Measurement Principles. (3-0-3)** This course provides a review, elaboration, and extension of the basic psychological measurement principles and procedures used in the construction and evaluation of psychological and educational tests and methods to quantify psychological constructs. Prerequisite: PSY 3601 (or equivalent) and enrollment in Psychology graduate program, or consent of the instructor.

**5025 PSY Psychological Assessment I. (4-0-4)** A survey of personality assessment techniques for clinical services. Emphasis is on obtaining skills with criterion-referenced inventories and cognitive behavioral assessment. Prerequisite: Admission to psychology graduate program.

**5026 PSY Psychological Assessment II. (4-0-4)** Cognitive, personality and social-adaptive assessment will be covered, with primary focus on measurement of adolescent and adult intelligence. Requires additional fee to cover the costs of forms needed for psychological testing. Prerequisite: Admission to the graduate program in psychology or permission of the instructor.

**5030 PSY The School Psychologist. (3-0-3)** An introduction to the role and function of the school psychologist including a review of accountability, non-biased assessment, service delivery to culturally diverse groups, and state and federal regulations and other major issues. Prerequisite: Enrollment in School Psychology program or permission of the instructor.

**5035 PSY Advanced Psychopathology. (3-0-3)** An examination of differential diagnosis and its application to clinical practice. Particular focus will be placed on the theory and practice of taxonomic construction and the acquisition of competencies in differential diagnoses. Prerequisite: Admission to Clinical Psychology program or permission of the instructor.

**5040 PSY Psychotherapy. (3-0-3)** A critical survey of issues, principles, practices, and research as related to the traditional approaches in counseling and psychotherapy. Prerequisite: PSY 3590 or equivalent.

**5050 PSY Behavior Therapy with Children & Adolescents. (3-0-3)** Concepts and procedures utilized in behavior therapy. Special emphases on operant techniques and cognitive behavioral techniques appropriate for use with children and adolescents.

**5060 PSY Cognitive Behavior Therapy. (3-0-3)** The principles, theory and common applications of behavior modification and cognitive behavior therapy. Includes an emphasis on entry-level skills in the application of behavior therapy and cognitive behavior therapy. Prerequisite: Admission to the graduate program in psychology or permission of the instructor.

**5070 PSY Group Psychotherapy. (3-0-3)** A systematic review of theories of group therapy and dynamics of group processes. The laboratory component will provide an experiential base related to group development and therapeutic strategies. Prerequisite: Admission to graduate program in psychology or permission of instructor.

**5110 PSY Psycho Educational Assessment of Preschool Children. (3-0-3)** The Psycho Educational assessment of preschool children; including techniques for assessing cognition, language, perceptual motor processes and social emotional development. Consideration is given to children from diverse cultural and ethnic backgrounds. Requires additional fee to cover the costs of forms needed for psychological testing. Prerequisite: PSY 5015 or permission of the instructor.

**5170 PSY Theories of Learning. (3-0-3)** A survey and comparison of theories of response acquisition emphasizing the biological preparedness for and internal representation of acquired responses.

Prerequisite: Undergraduate course in learning theory or permission of the instructor.

**5400 PSY Psychotherapy with Diverse Populations. (5800) (3-0-3)** A theoretical and applied consideration of the gender, racial, sexual orientation, disability, belief, and cultural differences which impact psychological services with diverse individuals, families and groups. Theories of prejudice, stereotyping and issues of culture and psychopathology will be applied to an understanding of the unique mental health needs of a variety of populations. Prerequisite: Admission to the clinical internship or permission of professor.

**5540 PSY Psychological Processes in the Aged. (3-0-3)** An in-depth study of age-related changes, in the elderly, in such psychological processes as learning, memory, sensation, perception, intelligence, adjustment, and personality. Prerequisite: PSY 2000 or permission of the instructor.

**5545 PSY Techniques for Geriatric Management. (3-0-3)** A study of several psychological techniques designed to increase psychological adjustments in the elderly. Prerequisite: PSY 5540.

**5560 PSY Marriage and Family Therapy. (3-0-3)** Introduction to theories and practice of family therapy emphasizing both assessment strategies and therapeutic interventions with families. Prerequisite: Admission to graduate program in psychology or permission of the instructor.

**5580 PSY Advanced Crisis Intervention. (3-0-3)** The dynamics of the major crisis typologies such as sexual assault, domestic violence, bereavement and Post-Traumatic Stress Disorder (PTSD). Emphasis will include training in the clinical interventions associated with each crisis. Prerequisite: Admission to the graduate program in psychology or permission of the instructor.

**5610 PSY Research Methods. (3-0-3)** Introduction to style of research reporting; survey of types and designs of research; and statistical analysis of data. Prerequisite: PSY 2610 or equivalent.

**5710 PSY Research Design and Statistical Analysis I. (4-0-4)** Research design and statistical analysis covering topics on experimental, quasi-experimental, and non-experimental designs in psychological research, and the statistical techniques associated with such designs. Prerequisite: Admission to the Psychology graduate program.

**5711 PSY Research Design and Statistical Analysis II. (3-0-3)** A continuation of PSY 5710. Research design and statistical analysis covering topics on experimental, quasi-experimental, and non-experimental designs in psychological research, and the statistical techniques associated with such designs. Prerequisite: PSY 5710.

**5890 PSY Field Study or Practicum. (Arr.-Arr.-1 to 12) (Credit/No Credit)** Supervised experience in a setting that allows application of skills and training in student's area of concentration. Requires additional fee to cover the costs of forms needed for psychological testing. Prerequisite: Permission of instructor. May be repeated for maximum of 12 semester hours of credit; however, only six semester hours may be counted toward the Master of Arts degree.

**5900 PSY Internship in Clinical Psychology I. (Arr.-Arr.-6) (Credit/No Credit)** Intensive supervised experience in clinical setting to include psychological assessment and therapeutic interventions. Emphasis on legal and ethical issues, treatment planning and implementation of intervention strategies. Prerequisite: Second year status in the graduate program in Clinical Psychology.

**5950 PSY Thesis. (Arr.-Arr.-3 to 6) As arranged. (Credit/No Credit)** NOTE: A maximum of nine semester hours may be earned in a combination of 5950, 5990, and 5997.

**5970 PSY Seminar Topics in Psychology. (2-0-2) or (3-0-3)** Specific areas or topics of psychology will be given intensive study through readings, reports and group discussions. Topics will be

selected on the basis of need. Prerequisite: Permission of the instructor. May be repeated.

**5980 PSY Internship in Clinical Psychology II. (Arr.-Arr.-6 to 9) (Credit/ No Credit)** Intensive, supervised experience in clinical setting to include psychological assessment, therapeutic interventions, treatment planning and case management strategies. Focus is on preparation for entry into the profession. Prerequisite: Successful completion of PSY 5900.

**5990 PSY Independent Study. (Arr.-Arr.-1 to 6) (Credit/No Credit)** Advanced study of topics selected by the student and approved by his/her advisor. May include research, readings, group discussions. Prerequisite: Permission of the instructor. NOTE: A maximum of six semester hours may be counted toward the Master of Arts degree.

**5997 PSY Study Abroad. (Arr.-Arr.-3 to 6)** Special permission of the department. NOTE: A maximum of nine semester hours may be earned in a combination of 5950, 5990, and 5997.

**6000 PSY Specialist's Thesis. (Arr.-Arr.-3 to 6) (Credit/No Credit)** Thesis will be a research project which may be applied in nature. Final credit hours assigned to each project will be determined by the student and his or her committee based on the scope and nature of the project. Prerequisite: Open only to students who have been admitted to the Specialist Degree Program.

**6300 PSY Advanced Child Development. (3-0-3)** A research-based approach to the study of child development designed for graduate students. Both the topical and chronological approach to studying development will be used to survey critically the current literature. Prerequisite: At least one undergraduate course in child psychology or human development and admission to the graduate school.

**6500 PSY Child Psychopathology. (3-0-3)** A critical analysis of the major taxonomic systems of child psychopathology. Etiologies and treatments for internalizing and externalizing disorders and developmental disabilities are emphasized. Prerequisite: PSY 3780, PSY 4515; admission to the Psychology graduate program or permission of the instructor.

**6550 PSY Neuropsychology: Brain-Behavior Relationships. (3-0-3)** This course examines brain-behavior relationships with an emphasis on the interaction between neurological functioning and specific learning problems. Brain physiology and theories of brain function will be reviewed. Prerequisite: Permission of the instructor.

**6660 PSY Theories and Application of Psychological Consultation. (3-0-3)** This course provides both theory and application of psychology to consultation in educational and mental health settings. Models of consultation with individuals and organizations are investigated. Goals, assumptions, and strategies of consultation models are emphasized. Prerequisite: Enrollment in the School Psychology Program or consent of the instructor.

**6890 PSY Advanced Practicum in School Psychology. (Arr.-Arr.-3) (Credit/No Credit)** Supervised experience in the assessment of and intervention with school-age children. Provides for integration and application of previous course work. Prerequisite: PSY 5005, 5015, and 5030, and enrollment in the School Psychology program. May be repeated to a limit of six hours.

**6970 PSY Seminar: Special Topics in School Psychology. (3-0-3)** Selected topics of interest and importance to the field of school psychology will be studied in depth. Prerequisite: Permission of the instructor. May be repeated for a credit if a different topic is taught.

**6980 PSY Psychotherapeutic Interventions in the Schools. (3-0-3)** An advanced course integrating theory and practice of psychotherapy. Major theoretical approaches are briefly reviewed. Emphasis is on application of empirically-based individual and group cognitive-behavioral techniques. Prerequisite: PSY 5005, 5050, and

6500. Enrollment in School Psychology program. Must be taken concurrently with PSY 6890.

**6999 PSY Internship in School Psychology. (Arr.-Arr.-6) (Credit/No Credit)** May be repeated for a total of 12 semester hours. The internship experience allows the student to demonstrate skill proficiencies acquired during formal training on campus and to acquire additional knowledge and skills in an appropriate field placement. Prerequisite: Approval as an intern by the School Psychology Faculty Committee.

## RECREATION ADMINISTRATION

### Courses Open to Juniors, Seniors, and Graduate Students

**4790 REC Swimming Pool Management and Operation. (3-0-3)** The course orients the student in the design of swimming pools, water treatment, maintenance problems, operational procedures, and program planning. Field trips are included.

**4830 REC Administration of Leisure Services. (3-0-3)** Exploration of philosophical viewpoints underlying a recreation program; criteria for evaluating the recreational potential of a community; administrative problems related to park and recreation problems. Prerequisite: Twelve semester hours of recreation class credit or permission of the instructor. Field trip.

**4850 REC Financial Practices for Leisure Service Agencies. (3-0-3)** The investigation of the financial structures, resources, budget management and accounting procedures for public and private recreation agencies.

**4950 REC Leisure and Aging. (3-0-3)** Scope of the therapeutic recreation services available through private and public agencies; analysis of programs designed for persons with physical, emotional, intellectual or social disorders and handicaps. Practical experiences are provided.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5420 REC. Principles and Philosophies of Leisure. (2-0-2)** A study of historic and future trends in the status of leisure in the American society. An analysis of the role of the leisure service agency in present society. Prerequisite: Graduate or senior standing.

**5430 REC. Seminar in Issues and Trends in Leisure Service Agencies. (3-0-3)** Identification and discussion of current issues and trends in the recreation movement in the U.S. and foreign lands.

## SCIENCES

### Graduate Courses

**5000 SCI Contemporary Issues and Ethics in Science for Natural Science Teachers. (3-0-3)** Development of the foundation, theory, and practice of science and scientific ethics. Analysis of contemporary issues in the Biological and Physical Sciences and their potential impact on science, technology, and society. Prerequisite: Enrollment in M.S. in Natural Sciences degree program or consent of instructor.

**5002 SCI History of Science for Natural Science Teachers. (3-0-3)** This course examines the history of natural science from ancient

to modern times, with emphasis on the dynamics of scientific investigation and the personalities and social context that shape initial acceptance or rejection of an idea. Case studies of the resolution of conflicting ideas and compelling experiments are studied. The ultimate determination of the validity of any scientific theory is experiment. The conclusive experiments that resolved debates and led to major advances in Biology, Chemistry, Earth Science and Physics are examined. Prerequisite: Enrollment in M.S. in Natural Sciences degree program or consent of instructor.

**5004 SCI Special Projects for Natural Science Teachers. (Arr.-Arr.-2)** Students propose, design and conduct a research project in their science classrooms. Projects may include theoretical, pedagogical or laboratory work under the supervision of an M.S. in Natural Sciences faculty advisor. A written proposal must be approved by the M.S. in Natural Sciences faculty advisor and the M.S. in Natural Sciences program coordinator prior to conducting the project. Prerequisite: Enrollment in M.S. in Natural Sciences degree program.

**5005 SCI Seminar for Science Teachers (Arr.-Arr.-1)** Students will evaluate and present seminars based on the results and analysis of independent research, thesis research or special projects for the M.S. in Natural Sciences program. Attendance required of all M.S. in Natural Sciences degree candidates. Course will be repeated over three summers for a total of 3 semester hours credit. Prerequisite: Enrollment in M.S. in Natural Sciences degree program.

**5006 SCI Independent Study for Natural Science Teachers. (Arr.-Arr.-1 to 3)** Selected problems based upon the student's background and interests. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program, permission of instructor and instructor's department chair.

**5007 SCI Research for Natural Science Teachers. (Arr.-Arr.-1 to 3)** Original research in science or science teaching conducted in consultation with a thesis advisor. A maximum of 6 semester hours in a combination of SCI 5007 and SCI 5950 may be applied toward the research and thesis component of the M.S. in Natural Sciences degree. Prerequisite: Enrollment in the M.S. in Natural Sciences degree program and permission of the instructor and instructor's department chair.

**5950 SCI Thesis for Natural Science Teachers. (Arr.-Arr.-1 to 3)** Thesis based on original research conducted in consultation with a thesis advisor. Intended for thesis option students conducting original research in consultation with a thesis advisor. Prerequisite: Permission of instructor and instructor's department chair.

## SECONDARY EDUCATION

### Courses Open to Juniors, Seniors, and Graduate Students

**4751 SED Strategies of Adult Instruction. (3-0-3)** Methods, techniques, and devices in adult education, developing action-oriented learning situations, programmed instruction, developing appropriate materials and evaluating the outcome of courses.

**4780 SED Studies in Education. (3-0-3)** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

**4790 SED Studies in Education. (2-0-2)** Problems in education, student activities, curriculum, guidance, and evaluation. Each student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

**4800 SED Studies in Education. (1-0-1)** Problems in education, student activities, curriculum, guidance, and evaluation. Each

student is assigned an individual problem. Prerequisite: Eight semester hours in education and psychology.

**4850 SED Seminar and Field Experiences in Adult Education. (2-6-4)** A supervised experience in an adult educational operation which will allow the student to apply his/her skills and training to teach adults. A follow-up of these experiences and other specific areas and topics will be given further study through readings, reports, and group discussions. Prerequisite: SED 4751, approval by the department chair and acceptance by a cooperating adult education organization.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5400 SED Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with CSD/EDA/EDU/ELE/MLE/SPE/STG. 5400. Prerequisite: Admission to the Graduate School.

**5750 SED Special Problems in Gerontology. (Arr.-Arr.-1)** A study of problems of the elderly with variable course content. Prerequisite: Permission of the instructor. May be repeated for a maximum of three semester hours.

**5950 SED Thesis. (Arr.-Arr.-3 to 6) As arranged. (Credit/No Credit)** A maximum of nine semester hours may be earned in combination of 5950 and 5990.

**5990 SED Independent Study. (Arr.-Arr.-1-6)** Intended to permit a student to pursue more intensively various aspects of his/her special interest. Prerequisite: Permission of the department chair.

## SOCIOLOGY

### Courses Open to Juniors, Seniors, and Graduate Students

**4750 SOC Sociological Analysis of Juvenile Delinquency. (3-0-3)** Advanced study of theories of etiology, treatment and prevention. Prerequisite: SOC 2710G, 2761 or permission of the instructor.

**4790 SOC The Correctional Process: A Sociological Analysis. (3-0-3)** Provides an understanding of the entire field of correctional systems in terms of its official objectives, its actual effects and effectiveness, including special focus on experimental programs. Prerequisite: SOC 2710G and 2761.

**4800 SOC Sociological Aspects of Gerontology. (3-0-3)** Review of current gerontological theories and research; consideration of structural and functional aspects of the social order as related to the aging process. Prerequisite: SOC 2710G or permission of the instructor.

**4820 SOC Sociology of Health and Health Care. (3-0-3)** This course provides a sociological analysis of health, illness, and health care systems. Substantive topics covered include the social distribution of health and illness, the illness experience, the socialization and development of health care workers, and the social organization of medicine. Prerequisite: SOC 2710 or permission of the instructor.

**4900 SOC Current Issues in Sociology. (3-0-3)** Analysis of selected current social problems. Restricted to majors in Sociology and Social Science. With permission of instructor, may be taken twice for credit. Prerequisite: SOC 3250, 3610 and 3620; senior standing or permission of the instructor.

## SPECIAL EDUCATION

### Courses Open to Juniors, Seniors and Graduate Students

**4765 SPE Identification and Instructional Strategies: Individuals with Gifts and Talents. (3-1-3)** This course prepares teachers to identify individuals with gifts and talents. Modification of the general curriculum and instructional strategies for learners with gifts and talents are addressed. Prerequisite: SPE 2000 and 3000 and permission of department chairperson.

**4800 SPE Diagnosis and Assessment of Learners with Exceptional Learning Needs. (3-2-4)** This course examines formal and informal assessment as used to determine achievement of individuals with exceptional learning needs across severity levels. Selection, administration, scoring, and interpretation of formal and informal assessments for the purpose of identifying exceptional learning needs are also addressed. Supervised and evaluated administration and interpretation of diagnostic tests is integral to this course. Prerequisite: SPE 3000, 3200, 3201, 4700 must be taken prior to or concurrently with this course.

**4820 SPE Assessment of Young Children (Birth to 8) With Exceptional Learning Needs. (3-1-3)** This course addresses both formal and informal assessment of young children at risk and with exceptional learning needs across severity levels, excluding vision and hearing. Screening, observation strategies, the link between assessment and instruction, and writing formative and summative reports are also addressed. Practica provides observation of preschool screening and administration of norm referenced/criterion referenced assessments. Prerequisite: SPE 3000 and 3200 or permission of the department chairperson. Corequisite: SPE 4720 or permission of the department chairperson.

**4900 SPE Instructional Strategies for Individuals with Exceptional Learning Needs. (6-0-6)** General and specialized instructional strategies used with individuals with exceptional learning needs across severity levels, excluding vision and hearing, are presented. Effectively designing, implementing, and evaluating instruction/instructional plans tailored to the exceptional learning needs of the learner across a range of severity levels and instructional environments are addressed. Concurrent enrollment in SPE 4901 (practicum component) required. Prerequisite: SPE 4800. University Teacher Education requirements apply and department requirements for enrollment must be met.

**4901 SPE Practicum with Individuals with Exceptional Learning Needs. (0-8-4)** Provision of explicit instruction to students with exceptional learning needs in a supervised and evaluated practica; including the designing, implementing, and evaluating of individualized instruction/instructional plans. Specialized instructional strategies which support the learner in the general and expanded curricula are practiced in school settings. Prerequisite: SPE 4800. University Teacher Education requirements apply and department requirements for enrollment must be met.

**4920 SPE Instructional Strategies: Young Children (Birth through 8) at Risk and with Exceptional Learning Needs. (3-4-3)** This course introduces and provides practice in techniques for planning, implementing, and evaluating effective intervention for young children with and at-risk for exceptional learning needs and their families, and their families. Prerequisite: SPE 4720 and 4820. University Teacher Education requirements apply and department requirements for enrollment must be met.

**4925 SPE Communication Skills of Children (Birth to 8) at Risk and with Exceptional Learning Needs. (3-0-3)** This course addresses strategies for assessment and instruction of verbal/nonverbal skills of young children ages birth to eight at risk and with exceptional learning needs across levels of severity, excluding visual impairment. Additional areas of emphasis include: cultural and linguistic diversity, assistive communication devices,

and collaboration with families and Speech Language Pathologists. Prerequisite: SPE 3000, 3220 and CDS 2200 or permission of the department chairperson.

**4950 SPE Instructional Strategies: Learning Disabilities. (3-1-3)** This course addresses instructional strategies and classroom management strategies appropriate to teaching individuals with learning disabilities; including the designing, implementing, and evaluating of individualized instruction/instructional plans. Prerequisite: Students must have completed 26 semester hours in SPE (including SPE 3000, 3200, 3250, and 4800) and must have permission of the department chairperson to enroll.

**4960 SPE Instructional Strategies: Mental Retardation /Developmental Disabilities. (3-1-3)** This course addresses instructional strategies and classroom management strategies appropriate to teaching individuals with mental retardation and/or developmental disabilities; including the designing, implementing, and evaluating of individualized instruction/instructional plans. Prerequisite: Students must have completed 26 semester hours in SPE (including SPE 3000, 3200, 3260 and 4800) and must have permission of department chairperson to enroll.

**4970 SPE Instructional Strategies: Seriously Emotionally Disturbed/Behavior Disorders. (3-1-3)** This course addresses instructional strategies and classroom management strategies appropriate to teaching individuals with serious emotional disturbances/behavior disorders; including the designing, implementing, and evaluating of individualized instruction /instructional plans. Prerequisite: Students must have completed 26 semester hours in SPE (including SPE 3000, 3200, 3270 and 4800) and must have permission of department chairperson to enroll.

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5120 SPE Current Issues in Special Education. (3-0-3)** A study of the cultural, sociological, educational and legal factors which are relevant to the understanding of etiological and therapeutic problems of exceptional children.

**5131 SPE Topics in Special Education. (1-0-1), (2-0-2), (3-0-3)** A study of topics in special education regarding current practices in the field of special education, e.g., research-based instructional strategies (Cooperative Learning, Graphic Organizers, etc.), assessment, legal/ ethical concerns, and staff development. May be repeated for credit. Prerequisite: Graduate standing in special education or a related field.

**5132 SPE Topics in Special Education. (1-0-1), (2-0-2), (3-0-3)** A study of topics in special education regarding current practices in the field of special education, e.g., research-based instructional strategies (Cooperative Learning, Graphic Organizers, etc.), assessment, legal/ ethical concerns, and staff development. May be repeated for credit. Prerequisite: Graduate standing in special education or a related field.

**5133 SPE Topics in Special Education. (1-0-1), (2-0-2), (3-0-3)** A study of topics in special education regarding current practices in the field of special education, e.g., research-based instructional strategies (Cooperative Learning, Graphic Organizers, etc.), assessment, legal/ ethical concerns, and staff development. May be repeated for credit. Prerequisite: Graduate standing in special education or a related field.

**5220 SPE Typical and Atypical Development in Children Birth to Five. (3-0-3)** This course provides an in-depth study of typical and atypical development of children birth to five. Students will increase their knowledge/skills from a theoretical perspective as well as from

direct observation of behavior. Prerequisite: SPE 3000 or permission of the department chair.

**5400 SPE Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to practice. May be repeated for credit. Cross-listed with CSD/EDA/EDU/ELE/MLE/SED/STG. 5400. Prerequisite: Admission to the Graduate School.

**5620 SPE A Family-Focused Approach for Providing Services to Families with Children Identified as Exceptional. (3-0-3)** This course provides students with an in-depth study of family systems theory as it applies to families with children with handicaps. Students develop knowledge and skills in applying family systems theory to the assessment of family strengths and needs, developing family plans, and implementing and evaluating family-focused services.

**5670 SPE Assessment for Special Education. (3-0-3)** An advanced course in Psycho Educational diagnosis of exceptional children. Administration and interpretation of normed and criterion referenced instruments. Prerequisite: SPE 4800 or equivalent.

**5770 SPE Practicum in Special Education. (Arr.-Arr.3 to 6)** Has been developed to provide graduate students in special education with practical experiences in the field of special education. The course is individualized for each student in order to meet his or her unique needs. Students may not earn credit for activities that are required as a part of their employment responsibilities; however, students are encouraged to coordinate their projects with their employers and/or their thesis committee members. Students will complete approximately 100-150 hours, including field work, in order to earn three hours of credit. May be repeated.

**5800 SPE Advanced Collaboration and Consultation in Special Education. (3-1-3)** An in-depth study of collaborative consultation in the provision of education to students with disabilities. This course has implications for teaching, supervision, and educational service delivery for students in general and specific educational settings. Prerequisite: Graduate-level standing in special education or a related field; and one of the following: SPE 4730, 5133, or permission of the department chair.

**5820 SPE Early Childhood Special Education: Program Administration and Supervision. (3-1-3)** This course provides students with the opportunity to increase their knowledge and understanding of program administration and supervision related to the unique characteristics of early intervention programs serving infants, toddlers and/or preschoolers who are handicapped or at-risk for handicapping conditions. Specific topics covered in this course include program development, management, and evaluation along with supervision of staff and staff development. Prerequisite: SPE 5620 or permission of the department chair.

**5840 SPE Infant and Toddler Assessment. (3-2-3)** This course provides students with a study of identification and assessment strategies used with infants and toddlers who are handicapped or at-risk for handicapping conditions. Assessment strategies will be presented in the context of a multi disciplinary team approach. Class lecture/discussion will be augmented by field observations and hands-on experience with assessing infants and toddlers who are handicapped or at risk. Prerequisite: SPE 5220 or permission of the department chair.

**5870 SPE Special Education: Personnel Supervision and Program Administration. (3-0-3)** This course provides students with the opportunity to increase their knowledge, understanding, and competencies in program administration and supervision relative to the unique characteristics of Special Education. Specific topics covered in this course include program development, management, and supervision of personnel and personnel development. Prerequisite: 32 semester hours of course work with a Special Education prefix and two years experience in a school or agency setting, or permission of the department chair.

**5900 SPE Research in Special Education. (Arr.-Arr.-3)** Students in this course will develop skills necessary to analyze research designs involving special education methodology and will be able to interpret statistics through multiple regression.

**5920 SPE Curriculum and Methods in Early Childhood Special Education (Ages 3-5). (3-2-4)** This course addresses the selection and development of curricula and materials for children with handicapping conditions or who are at-risk for handicaps ages 3-5. A second major focus of the course includes strategies for planning, implementing and evaluating effective intervention with young children and their families. Prerequisite: SPE 5220 and 4820, or permission of the department chair. Corequisites: Minimum of three hours of SPE 5925.

**5925 SPE Field Experiences in Early Childhood Special Education. (Arr.-Arr.-1 to 6)** Supervised and continuously evaluated work with children birth to age five with handicaps or at-risk for handicapping conditions. This course may be repeated for six semester hours of credit if diverse sites are utilized as the practicum settings and/or the target group ages (birth through two or age three to five) are different. Prerequisite: SPE 5220 or permission of the department chair.

**5940 SPE Curriculum and Methods for Infant/Toddler Early Intervention. (3-2-4)** This course addresses the selection and development of curricula and materials for children, ages birth to two, with handicapping conditions or who are at-risk for handicaps. Strategies for planning, implementing and evaluating effective intervention programs with these infants and toddlers and their families are emphasized in this course. Prerequisite: SPE 5220, 5620, and 5840, or permission of the department chair.

**5950 SPE Thesis. (Arr.-Arr.-3 to 6)** As arranged. (Credit/No Credit) NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5970 SPE Curriculum and Methods for K-12 Special Education. (3-1-3)** This course is research-based; research specific to curriculum and methods effective with individuals with disabilities in grades kindergarten through twelve are studied. Strategies for planning, implementing and evaluating effective instructional programs and the related research are addressed. Relating research to the world of practice and cultural considerations are also emphasized. Prerequisite: SPE 4900 and 4901; or 4950, 4960, or 4970; or permission of the department chair.

**5990 SPE Independent Study. (Arr.-Arr.-1 to 6)** As arranged. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and 5950.

## STUDENT TEACHING

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5131 STG Topics in Education. (Arr.-Arr.-1 to 3)** A study of topics in education designed to relate research to practice (e.g., research-based instructional strategies such as Engaged Learning).

**5132 STG Topics in Education. (Arr.-Arr.-1 to 3)** A study of topics in education designed to relate research to practice (e.g., research-based instructional strategies such as Engaged Learning).

**5133 STG Topics in Education. (Arr.-Arr.-1 to 3)** A study of topics in education designed to relate research to practice (e.g., research-based instructional strategies such as Engaged Learning).

**5400 STG Special Issues. (Arr.-Arr. 2 to 3)** A study of special issues in education designed to help educators relate research to

practice. May be repeated for credit. Cross-listed with CSD/EDA/EDU/ELE/MLE/SED/SPE. 5400. Prerequisite: Admission to the Graduate School.

## TECHNOLOGY

**(See also Career and Organizational Studies, Career and Technical Education or Industrial Technology.)**

### Graduate Courses

(Courses numbered 5000-5499 inclusive may be taken by a senior whose grade point average is 2.75 or higher, with permission of the instructor and the Dean of the Graduate School. Courses numbered 5500 and above are open only to students who have been admitted to the Graduate School.)

**5090 TEC Seminar in Occupational Education. (Arr.-Arr.-1 to 4)** Intensive study of contemporary problems, issues, trends and developments in occupational education and technology.

**5103 TEC Science and Technology of Leadership. (3-0-3)** This course focuses on forces transforming leadership science, processes, and skills in today's technological society; leadership theories; implication of fundamental changes taking place in the workplace; and leadership, characteristics, competencies, and challenges.

**5123 TEC Industrial Productivity Analysis. (3-0-3)** Theory and application of productivity analysis and improvement through contemporary productivity improvement techniques.

**5133 TEC Total Quality Systems. (3-0-3)** Study of principles, practices, tools, techniques, and systems for total quality management in industrial or service organizations.

**5143 TEC Research in Technology (3-0-3)** A study of the research methods, processes and tools used for conducting experimental and non-experimental research in technology. Emphasis will be on design, analysis, and reporting of experimental and non-experimental research.

**5173 TEC Global Technology. (3-0-3)** A study of global technology as affected by factors such as socio-cultural structures, economic conditions, governmental decision-making, and corporate-managerial strategies. The emergence of technology from its beginning to its present status will be the common thread topic for all reading, writing, and discussion.

**5203 TEC Trends and Issues in Training and Development. (3-0-3)** Trends and issues related to the integration of training and development, organization development, and career development to improve individual, group, and organizational effectiveness; components, standards, ethical requirements, and competencies associated with human resource development. Prerequisite: Admission to the Master of Science in Technology program or permission of the instructor.

**5213 TEC Work Performance Technology. (3-0-3)** This course is a study of integrated systems models and methods used by training and development professionals to ensure that employees have the knowledge, skills, motivation, and environmental support to do their jobs effectively by developing and managing work performance systems. Prerequisite: Admission to the Master of Science in Technology program or permission of the instructor.

**5223 TEC Instructional Technology. (3-0-3)** A study of hardware and software used for instructional purposes. Primary focus is placed on instructional systems design, processes, and procedures with the integration of instructional technology.

**5233 TEC Training Systems Management. (3-0-3)** This course emphasizes training systems management from a macro viewpoint. Course topics include roles, responsibilities, and functions of a

training systems manager, strategic and operational planning, marketing operations, facility planning, return on investments and training materials. Prerequisite: Admission to the Master of Science in Technology program or permission of the instructor.

**5243 TEC Design for Quality. (3-0-3)** Study of history and principles of quality design and control, principles and methods of statistical design of experiments (DOE) used in quality control, process optimization, and trouble shooting, application of Taguchi's methods. Prerequisite: A course in statistics or permission of instructor.

**5313 TEC Networking and Advanced Data Communications. (2-2-3)** Study of advanced data communications and networking hardware and software for applications in industry including standards, architecture, operations, systems maintenance, and management. Prerequisite: Experience with and access to current computer technology.

**5323 TEC Advanced Database Technology. (2-2-3)** Study of advanced database technology (Oracle) for applications in contemporary industry, including architecture, operations, system maintenance and management. Prerequisite: Experience with and access to current computer technology.

**5333 TEC Management of Computer Technology. (3-0-3)** This course focuses on issues and forces influencing management decisions regarding computer technology. Case problems, software simulations, and site visits provide insight to the operations of computer technology. Prerequisite: Experience with and access to current computer technology.

**5343 TEC Multimedia and Web Technology. (2-2-3)** Multimedia and web technologies for applications in contemporary industry are introduced. Collaborative teamwork in the design and development of interactive technology-based projects is emphasized. Prerequisite: Experience with and access to current computer technology.

**5443 TEC Assessment and Evaluation in Workforce Preparation. (3-0-3)** Assessment and evaluation; construction of measures of assessment for cognitive skills, psychomotor performance, affective behavior, and portfolios in career subject areas; statistical procedures for interpretation and use of test and performance measurements.

**5513 TEC Advanced Computer Integrated Manufacturing. (3-0-3)** Study of computer integrated manufacturing systems. Course topics include: flexible manufacturing systems, machine vision, automatic identification, and artificial intelligence. Emphasis on evaluating and analyzing computer integrated manufacturing technology. Prerequisite: INT 4023.

**5523 TEC Industrial Systems Simulation. (3-0-3)** Numerical modeling of industrial processes and systems on digital computers. Course topics include: problem formulation, model building, data acquisition, model translation, verification, validation, and analysis of results. Corequisites: INT 4943 and Fortran.

**5603 TEC Advanced Manufacturing Management. (3-0-3)** Advanced study of technical management areas in manufacturing operations. Course topics include: capital investment, queuing theory, reliability and maintenance, aggregate planning, decision support systems, and productivity improvement techniques in a manufacturing environment. Prerequisite: INT 4943 or equivalent.

**5723 TEC Issues and Trends in Technology. (3-0-3)** A study of present and future foundational professional developments in technology. Students will investigate and identify state-of-the-art trends and issues facing the profession today.

**5950 TEC Thesis. (Arr.-Arr.-3 to 6)** As arranged. (Credit/No Credit) NOTE: A maximum of nine semester hours may be earned in a combination of 5950 and 5990.

**5970 TEC Special Topics in Technology. (Arr.-Arr.-1 to 3)** Study of special topics in technology with variable course content. Intensive study of topics through readings, reports, and group discussions. (May be repeated for credit.)

**5980 TEC Industrial Internship in the Technologies. (Arr.-Arr.-1 to 10) (Credit/No Credit)** An experiential learning activity designed to help students apply previously learned concepts, theories, principles and developed skills while working in one of the physical technologies' industrial or business environments. A maximum of 40 hours of participation is required for each semester hour. Prerequisite: Students must apply and obtain approval of the chair, School of Technology, one semester prior to the proposed experience.

**5990 TEC Independent Study. (Arr.-Arr.-1 to 6) (Credit/No Credit)** Preparation of instructional display panels and devices. Slides, transparencies, etc., research papers. NOTE: A maximum of nine semester hours may be earned in a combination of 5990 and 5950. Prerequisite: Permission of the instructor and approval of the chair, School of Technology, required before registration.

## THEATRE ARTS

### Courses Open to Juniors, Seniors, and Graduate Students

**4810 THA Summer Theatre. (Arr.-Arr.-3 to 6)** Practical, comprehensive experiences in performance in theatre arts. May substitute, with permission of the instructor(s) and the departmental chair, for 3344, 3345, 3346, 3347, and/or 3431. A maximum of nine semester hours total from THA 2281 and 4810 may be counted toward graduation. Contact the Theatre Arts Department for details concerning auditions and interviews.

**4811 THA Summer Theatre. (Arr.-Arr.-3 to 6)** Practical, comprehensive experiences in technical theatre. May substitute, with permission of the instructor(s) and the departmental chair, for 4550. A maximum of nine semester hours total from THA 2282 and 4811 may be counted toward graduation. Contact the Theatre Arts Department for details concerning auditions and interviews.

**4812 THA Summer Theatre. (Arr.-Arr.-3 to 6)** Practical, comprehensive experiences in theatrical directing. May substitute, with permission of the instructor(s) and the departmental chair, for 4400. Contact the Theatre Arts Department for details concerning auditions and interviews.

**4834 THA Methods of Play Production in Middle and Secondary Schools. (2-3-3)** The course focuses on the special problems of play production in the public schools for non-theatre majors. Prerequisite: Graduate or senior standing or permission of the instructor.

**5990 THA Independent Study. (Arr.-Arr.-3 to 6)** Advanced study in a selected area of theatre arts, subject to approval of advisor. Prerequisite: Permission of the department chair and acceptance by the instructor.

## WOMEN'S STUDIES

### Courses Open to Juniors, Seniors, and Graduate Students

**4800 WST Non-western Feminisms: Gender, Culture, and Nation (3-0-3)** In-depth study of major social concerns and theoretical issues raised in non-western feminist discourses by male and female writers from non-western countries. The course will explore the treatment of gender themes in relation to culture, class, race, and nationality. Prerequisite: Women's Studies 2309 or permission of the instructor or Coordinator of Women's Studies Program. Junior, senior, or graduate student standing required.

## IX. Graduate Faculty

**Regular Members** of the Graduate Faculty are EIU faculty who hold the rank of Assistant Professor or above, exhibit continued professional research or creative activity in their field of specialization, hold a terminal degree in the field of assignment, and have held one year of continuous full-time academic appointment at EIU or an equivalent institution.

**Associate Members** of the Graduate Faculty are EIU professors who do not yet meet the criteria for Regular Membership but who are appointed for a one-year term when Regular Members, due to sabbatical, leave, or other reasons, are not available to teach a specific graduate course. Associate Members must hold the rank of Assistant Professor or above and exhibit continued professional research or creative activity in the area of specialization.

**Adjunct Members** of the Graduate Faculty are professionals from outside of the University whose expertise is required to teach a specific graduate course. Adjunct Members are appointed for one-year terms. Adjunct Members must hold a terminal degree in the field or study or be regionally recognized professionals who offer exceptional expertise in the field of assignment.

A current listing of graduate faculty is available from the on-line catalog at: <http://catalog.eiu.edu/index.php> and the Graduate School web site at: <http://www.eiu.edu/~graduate/>

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## IF YOU ARE SEEKING INFORMATION...

For information on particular aspects of the University, please address your inquiry to the persons or office named below:

### Admission of Graduate Students

Director, Graduate Admissions –  
(217) 581-7489

### Admission of International Students

Director, International Admissions  
(217) 581-2321

### Admission of Undergraduate Students

Director of Admissions - (217) 581-2223

### Admission of Transfer Students

Director of Admissions - (217) 581-2223

### Continuing Education

School of Continuing Education -  
(217) 581-5114

### Career Services

Director of Student Services and Career Services - (217) 581-2412

### Civil Rights and Diversity

Office of Civil Rights - (217) 581-5020

### Disability Services\*

Office of Disability Services –  
(217) 581-6583

### Honors College

Director of Honors College –  
(217) 581-2017

### Housing and Dining Services

Director of Student Housing –  
(217) 581-5111

### Information

Telephone Numbers of Campus Offices -  
(217) 581-5000

### International Student Information

(217) 581-2321

### Military Scholarships

Director of Veterans Services –  
(217) 581-5227

### Scholarships

Director of Financial Aid - (217) 581-6405

### Student Employment

Director of Financial Aid - (217) 581-3712

### Student Insurance

Director of Financial Aid - (217) 581-5290

### Student Loans

Director of Financial Aid - (217) 581-3711

### Study Abroad

Office of Study Abroad –  
(217) 581-3390

### Summer Session

Director of Summer School - (217) 581-2023

### Transcripts

Records Office - (217) 581-3511

### Transfer Credit

Records Office - (217) 581-3511

\*Any information you provide is on a voluntary basis, will be confidential and will be used only to make reasonable accommodations to any limitations you report.



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