

**ST. AMBROSE  
UNIVERSITY  
1993-95 COLLEGE CATALOG**

- **Catalog conversion notes**



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## ST. AMBROSE UNIVERSITY

### 1993-95

#### **Creating the Future at St. Ambrose**

St. Ambrose University is a private, coeducational Catholic university offering four-year undergraduate programs in the liberal arts as well as preprofessional and career-oriented programs and master's programs.

Founded in 1882 by the Diocese of Davenport, St. Ambrose University is rich in tradition and strong in stature. Its Catholic character is expressed in its people and its programs, as well as in its ecumenical perspective and record of service. It is located in Davenport, Iowa, one of the Quad Cities which line the shores of an east-west stretch of the Mississippi River joining eastern Iowa and western Illinois. With a population of more than 100,000, Davenport is the largest municipality in a metropolitan area of 389,000.

Studies at St. Ambrose University lead to Bachelor of Arts, Bachelor of Science, Bachelor of Music Education, Bachelor of Science in Industrial Engineering, Bachelor of Science in Occupational Therapy, Bachelor of Arts in Special Studies, Bachelor of Elective Studies, Bachelor of Applied Management Technology, Master of Accounting, Master of Business Administration, Master of Criminal Justice, Master of Education in Special Education, Master of Education in Criminal Justice/Special Education, Master of Health Care Administration, Master of Pastoral Studies degrees, and Master of Physical Therapy.

The University's new structure, which became effective July 1, 1988, includes three separate colleges: the College of Arts and Sciences, the College of Business, and the College of Human Services.

#### **ABOUT THE CATALOG**

The St. Ambrose University Catalog contains current information on the calendar, admission, degree requirements, fees, room and board, regulations and course offerings. It is not intended to be and should not be relied upon as a statement of the University's contractual undertakings.

St. Ambrose University reserves the right in its sole judgment to make changes of any nature in its program, calendar, academic schedule, or charges whenever it is deemed necessary or desirable. This right includes changes in course content, the re-scheduling of classes with or without extending the academic term, canceling of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or for other academic activities.

#### **RECOGNITION**

St. Ambrose University is accredited at the undergraduate and the master's levels by the North Central Association of Colleges and Schools (since 1927) and the Iowa Department of Public Instruction. The University also is registered by the State Board of Regents of New York. Membership is held in the Association of Catholic Colleges and Universities, the American Council on Education, American Association of Colleges for Teacher Education, the Council of Independent Colleges, the Association for Continuing Higher Education, the Service members Opportunity Colleges, and the National Association of Independent Colleges and Universities. St. Ambrose is a non-profit educational and scientific organization and is so recognized by the Internal Revenue Code of 1954.

#### **MISSION OF ST. AMBROSE UNIVERSITY**

St. Ambrose University is a private, diocesan Catholic institution of higher learning. The University provides a combination of quality instruction in the liberal arts along with pre-professional, career preparation and a variety of life-long learning programs.

St. Ambrose University grants baccalaureate degrees, master's degrees in professional curricula, as well as non-degree offerings at the undergraduate and graduate levels. The University offers

programs and courses at its main campus in Davenport, at other sites within the Diocese of Davenport, in Cedar Rapids, Iowa, and at the Rock Island Arsenal.

St. Ambrose University stresses excellence in teaching and learning in an environment which fosters mutual respect. Research and public service are encouraged. The University offers focused developmental and enrichment programs to meet the individual needs of its diverse students.

The mission of St. Ambrose University is to enable all its students to develop intellectually, spiritually, ethically, socially, artistically, and physically in order to enrich their own lives and the lives of others.

### **BELIEFS OF ST. AMBROSE UNIVERSITY**

St. Ambrose University rooted in Judeo-Christian tradition, believes in your inherent God-given dignity and your worth as an individual.

The University believes that you are capable of living in the fullest measure when you freely base your life on the Catholic and the Judeo-Christian system of values.

The University believes that, in order for you to achieve the full measure of human potential, you will need help in developing a broad awareness of human cultures, achievements, capabilities and limitations, and in learning specific skills to use your talents in the service of your fellow men and women.

The University believes that freedom exercised in a responsible fashion is necessary for your full personal development and for the highest development of society.

The University believes, therefore, that people today, as always, need the opportunity for systematic exposure to general, professional and career education in an atmosphere where academic freedom is clearly recognized and cherished.

### **HISTORY OF ST. AMBROSE UNIVERSITY**

The institution of higher education known today as St. Ambrose University was established for young men in 1882 by the first bishop of Davenport, The Most Reverend John McMullen, D.D.

Classes were held in two rooms at the old St. Marguerite's School. The Reverend A.J. Schulte served as the first president of St. Ambrose.

The school was moved to the Locust Street Campus in 1885, when the central unit of the present St. Ambrose Hall was built. That same year, St. Ambrose was incorporated as "a literary, scientific and religious institution." The articles of incorporation stated: "No particular religious faith shall be required of any person to entitle him to admission to said seminary."

By the turn of the century a clearer division was being made between the high school program and the college program. In 1908 the name of the institution was officially changed to "St. Ambrose College" to more clearly reflect the emergent reality. Night school classes were inaugurated in 1924, and the first session of summer school was held in 1931.

During World War II, the United States Navy chose St. Ambrose College as a location for the training of many of its officers.

The high school department, known as St. Ambrose Academy, moved in 1958 to new quarters at Assumption High School, providing additional space on campus for continued growth.

For the past four decades, women have been admitted under certain conditions, but in 1968 St. Ambrose became fully coeducational,

On April 23, 1987, St. Ambrose College became St. Ambrose University at the direction of the Board of Directors.

The St. Ambrose campus covers six blocks of residential area in north central Davenport. The University has grown over the years from two school rooms to an institution with 12 buildings.

Ambrose Hall, a landmark in the area, recently was restored and was named for inclusion in the National Register of Historic Places. The original structure, built in 1885, kept expanding over the years with a number of additions. It housed the entire college for some time because officials thought operation of the institution should be kept under one roof. Ambrose hall today includes a new Administration Center, the College of Business, the John R. Lewis Board Room, classrooms, faculty offices, and the Student Union.

Adjacent to Ambrose Hall is a building still called LeClaire Gymnasium. It houses the swimming pool and a gymnasium which has been converted to the maintenance center.

The first free-standing building on campus apart from Ambrose Hall was built in 1922, when the preliminary section of Davis Hall was completed. Today the enlarged and remodeled structure is used as a residence for 150 students. The University Bookstore is located in the lower level of Davis Hall.

The Lewis Memorial Science Hall, a four-story building made possible through the generosity of Frank J. Lewis, K.S.G. and the priests of the Davenport Diocese, contains classrooms, laboratories and faculty offices.

Facilities in the McMullen Library and Learning Center, formerly the Administration Building, include more than 145,000 volumes.

Christ the King Chapel, with a seating capacity for 530 persons, is adjacent

to Hayes Hall, a combined residence, classroom, and seminary facility. Rohlman Hall is a men's residence accommodating 244 students. Cosgrove Hall is a women's residence hall for 224 students. It is a six-story building containing the Arnold Meyer Student Lounge, offices, computer center and a dining room with the capacity for serving 700 persons.

The Paul V. Calvin Fine Arts and Communications Center houses the departments of art, music, speech, theatre and mass communications, in addition to the campus radio station and television studio. The Albert Auditorium in the Calvin Center has a seating capacity of more than 1200 persons.

The newest building on campus is the Physical Education Center which includes the Lee Lohman Arena. The 47,300 square foot structure includes classrooms and faculty offices. It also has facilities for basketball, tennis, volleyball, jogging, gymnastics, handball/racquetball, physical conditioning and other lifelong recreational interests.

Off campus is the St. Ambrose University Conference Center located at 6236 North Brady Street in Davenport. The Conference Center meets the need for appropriate space to accommodate the large number of professional development programs offered by St. Ambrose University.

## **POLICY OF ST. AMBROSE UNIVERSITY ON ACCESS TO AND RELEASE OF STUDENT DATA/INFORMATION**

### **General Statement**

It is the intent of St. Ambrose University to comply with the Family Educational Rights and Privacy Act (FERPA) as amended in January 1975, commonly known as the "Buckley Amendment." It is the intent of St. Ambrose University to extend a good faith effort in complying with the law. From time to time the policy will be revised and updated to conform to guidelines of federal and other appropriate agencies. Of necessity, certain educational records must be maintained, and the University has the responsibility for protecting access to and release of personally identifiable information pertaining to students. Our policy applies this legislation to students 18 years of age or older or to those who have attended an institution of post-secondary education. No exclusion is made for alien students. Copies of the St. Ambrose University policy

statement are available in the following offices: Admissions, Career Development Center, Student Services, Registrar, Student Health.

### **NON-DISCRIMINATION POLICY**

St. Ambrose University is a non-profit educational institution which admits academically qualified students of any race, color, age, sex, religion or national origin, without regard to any physical handicap, to all the rights, privileges, programs and activities generally available to students at the University. It does not discriminate on the basis of race, color, sex, religion, national origin or physical handicap in administration of any of its educational policies or programs including admissions, financial aid and athletics. It also is an equal opportunity employer. St. Ambrose University is authorized under federal law to enroll non-immigrant alien students.

### **ENDOWED CHAIRS**

The term "chair" symbolizes the academic tradition in which income is generated through an endowment at a college or university to fund the salary of a professor, thereby perpetuating the transmittal of knowledge for generations to come.

#### **Hauber Chair of Biology**

The Hauber Chair of Biology was established at St. Ambrose in 1975 in honor of the late Reverend Monsignor U.A. Hauber, fifth President of the College and a nationally-known writer and teacher of biology. This was the first endowed chair in the history of the then 93-year-old institution.

The Hauber Chair involves an endowment for investment, with interest earned used solely for the Biology Department.

#### **Baecke Chair of Humanities**

The Albert and Rachel Baecke Chair of Humanities was established in 1981 when endowment of the Chair was initiated by a sizable gift of shares of stock to St. Ambrose from the Baeckes, former residents of East Moline, Ill., who had moved to Clearwater, Fla. Mr. Baecke died there in 1985.

The Baecke Chair, which rotates among the academic areas of the humanities, enhances the teaching and learning experience in the humanities, considered to be the heart of learning in a liberal arts college. Priority funding is given to curriculum and faculty development.

#### **The Chair of Catholic Studies**

The St. Ambrose University Chair of Catholic Studies was established by the University in the spring of 1986 to address concerns of a religious nature.

The Chair provides for guest lecturers in fields which are of direct concern to the Catholic community and the greater community at large. These fields include theology, history, literature, music, scripture, liturgy and the natural and social sciences among others.

**ST. AMBROSE UNIVERSITY CALENDAR****FALL SEMESTER 1993**

August 16	Special Education Fall Session begins
August 18	Residence Halls Open. Orientation Begins
August 20	Finalize fall registration. Orientation
August 23	Classes begin at 8 am
August 27	Last day to verify schedules
August 30	Last day to register for the fall semester
August 30	Last day to enter a new class
September 5	Last day to receive 100% refund
September 6	Labor Day. No classes
September 7	Begin \$2.50 Drop/Add Fee
September 17	Last day to apply for Dec '93 graduation
September 19	Last day to receive 80% refund
September 20	Last day to drop a course with no indication of registration on transcript
September 26	Last day to receive 70% refund
October 8	Midterm Break. No Classes
October 10	Mid-semester. Final date of first half of the semester. Last day to receive 60% refund
October 22	Last day to apply for Special Exam or turn in Prior Experiential Learning Portfolio
October 24	Last day to receive 50% refund
October 29	Last day to complete "I" or "X" grades received during Spring '93
October 29	Last day to drop a course and receive a grade of "W" instead of "WP" or "WF"
October 31	Last day to receive 40% refund
November 1	All Saints Day
November 5	Special Education Fall Session ends
November 8-12	Special Education Winter Break
November 15	Special Education Winter Session begins
November 16	Junior Level Writing Exam
November 22	Last day to drop a class or withdraw from school
November 22	Last day to submit results to Registrar of Prior Experiential Learning Portfolio
November 24-28	Thanksgiving Vacation
November 29	Classes resume at 8:00 a.m. after Vacation
December 7.-	Feast of St. Ambrose
December 8	Feast of the Immaculate Conception
December 6-10	Evaluations
December 11	Commencement Exercises 11:00 a.m. in Calvin Fine Arts Hall
December 17-January 2	Special Education Christmas Break

**SPRING SEMESTER 1994**

January 3	Special Education Winter Session resumes
January 13	Residence Halls open. Orientation begins
January 14	Finalize Spring registration
January 17	Classes begin at 8:00 a.m
January 21	Last day to verify schedule
January 24	Last day to register for the spring semester
January 24	Last day to change schedule to enter a new class
January 28	Last day to order cap and gown for May 94
January 30	Last day to receive 100% refund
January 31	Begin \$2.50 Drop/Add Fee
February 13	Last day to receive 80% refund
February 18	Last day to drop a course with no indication of registration on



	transcript
February 18	Special Education Winter Session ends
February 20	Last day to receive 70% refund. Last day to apply for Spring '94 graduation
February 21-25	Special Education Spring Break
February 28	Special Education Spring Session begins
March 6	Mid-semester. Last day of first half of semester. Last day to receive 60% refund
March 6-13	Spring Recess
March 14	Classes resume at 8:00 a.m. after Spring Recess
March 20	Last day to receive 50% refund
March 25	Last day to apply for Special Exam or turn in Portfolio for Prior Experiential Learning
March 25	Last day to complete "I" or "X" grades received during Fall '93
March 25	Last day to drop a course and receive a grade of "W" instead of "WP" or "WE"
March 27	Last day to receive 40% refund
April 1	Good Friday and Vigil of Easter. No Classes
April 5	Junior Level Writing Exam
April 16	Last day to drop a class or withdraw from school
April 22	Last day to submit results to Registrar of Prior Experiential Learning Assessment Evaluations
May 2-5	Evaluations
May 8	Commencement Exercises
May 27	Special Education Spring Session ends

**SUMMER SEMESTER 1994**

May 16-June 3	Spring Intersession
June 6-July 16	Regular Day and Evening Session
June 10	Last day to apply for Special Exam or turn in Portfolio for Prior Experiential Learning
July 5	:Last day to submit results to Registrar of Prior Experiential Learning

**FALL SEMESTER 1994**

August 15	Special Education Fall Session begins
August 17	Residence Halls Open. Orientation Begins
August 19	Finalize fall registration. Orientation
August 22	Classes begin at 8 am
August 26	Last day to verify schedules
August 29	Last day to register for the fall semester
August 29	Last day to change schedule to enter a new class
September 4	Last day to receive 100% refund
September 5	Labor Day. No classes
September 6	Begin \$2.50 Drop/Add Fee
September 16	Last day to apply for December '94 graduation
September 18	Last day to receive 80% refund
September 19	Last day to drop a course with no indication of registration on transcript
September 25	Last day to receive 70% refund
October 7	Midterm Break. No Classes
October 9	Mid-semester. Final date of first half of the semester. Last day to receive 60% refund
October 21	Last day to apply for Special Exam or turn in Portfolio for Prior Experiential Learning
October 23	Last day to receive 50% refund
October 30	Last day to complete "q" or "X" grade received Spring '94
October 30	Last day to drop a course and receive a grade of "W" instead of

	"WP" or "WF"
October 30	Last day to receive 40% refund
November 1	All Saints Day
November 4	Special Education Fall Session ends
November 7-11	Special Education Winter Break
November 14	Special Education Winter Session begins
November 21	Last day to drop a class or withdraw from school
November 21	Last day to submit results to Registrar of prior Experiential Learning
November 23~27	Thanksgiving Vacation
November 28	Classes resume at 8:00 a.m. after Thanksgiving Vacation
December 7	Feast of St. Ambrose
December 8	Feast of the Immaculate Conception
December 6/10	Evaluations
December 10	Commencement Exercises 11:00 a.m. in Calvin Fine Arts Hall
December 17-January 1	Special Education Christmas Break

**SPRING SEMESTER 1995**

January 2	Special Education Winter Session resumes
January 18	Residence Halls open. Orientation begins
January 20	Finalize Spring registration
January 23	Classes begin at 8:00 a.m.
January 27	Last day to verify schedule
January 30	Last day to register for the spring semester
January 30	Last day to change schedule to enter a new class
January 31	Last day to order cap and gown for May '95 Commencement
February 4	Last day to receive 100% refund
February 6	Begin \$2.50 Drop/Add Fee
February 17	Special Education Winter Session ends
February 19	Last day to receive 80% refund
February 25	Last day to drop a course with no indication of registration on transcript
February 26	Last day to receive 70% refund. Last day to apply for Spring '95 graduation
February 20-24	Special Education Spring Break
February 27	Special Education Spring Session begins
March 5-12	Spring Recess. Classes begin on March 13
March 11	Mid-semester. Last day of first half of semester. Last day to receive 60% refund
March 13	Classes resume at 8:00 a.m. after Spring Recess
March 24	Last day to apply for Special Exam or turn in Portfolio for Prior Experiential Learning
March 26	Last day to receive 50% refund
April 2	Last day to receive 40% refund
April 3	Last day to complete "I" or "X" grades received Fall '94
April 3	Last day to drop a course and receive a grade of "W" instead of "WP" or "WF"
April 14	Good Friday and Vigil of Easter. No Classes
April 21	Last day to drop a class or withdraw from school
April 21	Last day to apply for Summer 1995 graduation
April 21	Last day to submit results to Registrar of Prior Experiential Learning
May 8-12	Evaluations
May 14	Commencement Exercises
May 26	Special Education Spring Session ends

**SUMMER SEMESTER 1995**

May 22-June 9	Spring Intersession
June 12-July 28	Regular Day and Evening Session

June 9	Last day to apply for Special Exam or turn in Portfolio for Prior Experiential Learning
July 5	Last day to submit results to Registrar of Prior Experiential Learning

## STUDENT LIFE AND SERVICES

You are encouraged to participate in the student life activities and in the comprehensive program provided by the Student Services Office at St. Ambrose University.

The purpose of the Student Services Office is to augment your academic life by encouraging your growth in the non-academic areas so that you may enjoy the total educational process. All student services are based on the Catholic-Christian character of the University.

There are resources available to help you meet your needs--whether they are informational, health, psychological, financial, vocational, academic, social, or spiritual.

The mission of the Student Services Office includes concern for the protection of individual rights and accountability of individuals for their own behavior.

Detailed information on student life, student rights and responsibilities and on the following student services is available in the Student Services Office, in the Center for Adult Learners and in the Student Handbook.

**NOTE:** At St. Ambrose, you are subject to the regulations and guidelines as stated in official University literature available in the Student Services Office. The University reserves the right to suspend, enforce the withdrawal of, or expel a student whose academic standing is, in the University's judgment, unsatisfactory, or who violates the University's standard of conduct.

### ACADEMIC ADVISING

You are assigned a faculty or staff advisor who will assist you in the selection of courses leading to the degree or certificate of your choice. Your advisor is interested in you, the student, and will help you in your educational goals. Academic counseling also is available on an ongoing basis to help you determine the status of fulfillment of your academic course requirements. You may also receive assistance in selecting or changing your academic major. Freshmen are assigned to a Mentor, an advisor who is committed to helping Freshmen succeed academically and adjust to the University environment.

### ACADEMIC SUPPORT CENTER

The Academic Support Center offers a variety of services to St. Ambrose University undergraduate students at no cost. Services include placement testing to aid students in their selection of courses, three levels of courses in reading, a freshmen orientation course called "New Student Seminar," basic courses in writing and math taught in cooperation with the departments of English and Mathematics, and a large tutorial program which supports most 100 and 200 level courses. Drop-in writing tutorials are also available at specified times. Materials, including computer software, are available on test taking, study strategies, writing research papers, time management, problem solving, and note-taking.

Course offerings are described in this catalog under the headings of Learning Skills, New Student Seminar, English and Mathematics.

### ATHLETICS

You will find the St. Ambrose athletic program is varied with varsity and intramural activities for men and women. Recreational facilities include the gymnasium, racquetball, tennis courts, running track, golf room, archery range, weight-lifting room and the swimming pool. St. Ambrose is a member of the National Association of Intercollegiate Athletics (NAIA) and sponsors men's teams in football, basketball, baseball, golf, tennis, cross country, indoor and outdoor track, and soccer, and women's teams in basketball, volleyball, softball, tennis, indoor and outdoor track, and golf. Varsity and intramural activities are centered around the multi-purpose \$3 million Physical Education Center which was opened in 1983.

### BOOKSTORE

In order to help students cut costs, the Bookstore has new and used books. There are two book buy-backs per year, held during finals week of each semester. School supplies, sundry items and University memorabilia can be purchased in the Bookstore.

**CAREER DEVELOPMENT CENTER**

You can learn about jobs and careers and how to plan for them. Career Development Center facilities are available to you as a student, graduating senior, and later, as an alumnus. Your credentials are kept on file and are available to potential employers upon your request.

**CHAPLAIN/CAMPUS MINISTRY**

At St. Ambrose, you are offered a religious environment emphasizing the values, attitudes, and goals of the Catholic heritage. There are academic disciplines in Theology and Philosophy to help you explore the religious dimensions of human life. The University co-chaplains, a religious woman who directs the Campus Ministry Program, and a permanent deacon are available for religious and personal counseling. Regular masses are offered during the academic year in Christ The King Chapel on campus. One is daily mass Monday through Friday. Two masses are scheduled for Sunday. Times are posted each semester in the chapel.

**CHILD CARE CENTER AND PRESCHOOL**

St. Ambrose students who are parents of children between the ages of 20 months and six years can take advantage of the University's licensed Child Care Center. A fee is charged. The Center is open weekdays when the University is in session.

**CLUBS AND ORGANIZATIONS**

You will find organized groups and clubs on campus in almost every area of interest. Included are organizations in athletics, fine arts, professional groups, honor societies, service organizations, and fellowship.

You also can participate in student print and electronic media projects such as THE BUZZ: ON CAMPUS, a biweekly student publication; KALA-FM, the University's radio station; and TV-11, the University's cable television channel.

**COOPERATIVE EDUCATION**

You can obtain professional job experience and earn a salary as well as academic credit through the Cooperative Education Program. Co-op jobs are available in many different fields, and students are placed in these off-campus positions according to their academic majors, areas of interest and career goals. Internships (unpaid work experience) also are available in many majors. The Cooperative Education Program and the Internship Program are prepared to be a service to practically all full-time and part-time students.

**COUNSELING**

Counseling services are available to help students identify concerns, make educational decisions, solve personal problems, adjust to college, improve personal relationships and set goals. All students are encouraged to use the counseling service.

**FOOD SERVICE**

Meals and snacks are available whether you are a commuting or a boarding student. The food service complex includes the University Dining Room, Faculty Dining Room and Guest Dining Room. A deli and snack bar are located in the Student Union.

**McMULLEN LIBRARY AND LEARNING CENTER**

One of the most important resources of a university is the library. McMullen Library was built in 1911 and remodeled and expanded in 1979. The library houses more than 115,000 books and another 35,000 volumes of periodicals, representing 800 titles. McMullen Library also has thousands of microfilm items and a media collection of audio and video cassettes, filmstrips, and recordings. The building houses a microcomputer classroom/lab as well as a word processing lab using Apple IIe computers.

McMullen Library is open 82 hours per week during the academic year, with reduced hours during the summer sessions. It has a staff equivalent to 9.5 full-time persons including four professional librarians and a professional media specialist. The librarians offer information service and provide group and individual instruction in library use.

With the installation of a shared automated circulation system in 1981, McMullen Library now provides access to the holdings of 20 public, academic and corporate libraries. It also participates in an interlibrary loan system drawing on the holdings of libraries in the Quad Cities, in the State of Illinois, and in the entire country.

### **NEW STUDENT SEMINAR**

New Student Seminar is a twelve-week elective orientation course offered for one-credit to new students. The course includes strategies for effective time management, academic reading, note-taking, and test-taking. It also includes discussion of student life issues and information about campus resources and academic policies. Students explore personal and career goals as well.

The Course is taught by Mentors, who are academic advisors especially interested in working with freshmen. About two-thirds of St. Ambrose University freshmen enroll in New Student Seminar.

### **SERVICES FOR STUDENTS WITH DISABILITIES**

At St. Ambrose University students with disabilities are provided an individualized, cooperatively planned program of services. The coordinator of Services for students with Disabilities provides support services that are structured yet integrated within existing university services and requirements. Services may include: Alternate exam arrangement, tutoring on study

skills and strategies, access to alternate media forms of textbooks, and liaison with various University, Community, and State agencies. For more information contact the Coordinator of Services for Students with Disabilities.

### **STUDENT GOVERNMENT**

#### **Undergraduate**

Registered undergraduate students are members of the Student Government Association (SGA). The SGA conducts and coordinates student activities, including student elections, and cultural, social, educational, and special events. SGA officers and student representatives serve on virtually all University committees. The SGA president also serves on the St. Ambrose University Board of Directors.

#### **Graduate**

All registered graduate students are eligible to serve in the Graduate Student Government Association (GSGA). The GSGA elects its officers and meets monthly, representing student concerns, planning student activities and providing certain services to the graduate students not otherwise provided by the University administration and staff.

### **STUDENT HEALTH**

Located in room 25 on the lower (ground) level of South Hall, the office of Health Services is staffed by a registered nurse who provides care for students, faculty and staff. The nurse will assess the health needs of clients and make appropriate referrals when necessary. Office hours: 8:00 a.m. to 4:00 p.m. Monday through Fridays, while classes or examinations are in session.

### **STUDENT SERVICES DIVISION**

The staff of Student Services is available to assist in the enhancement of the personal development of all students at St. Ambrose University. Our belief is that the boundaries of a student's learning extend beyond the walls of the classroom. The departments of the Student Services Division provide a variety of services to support the students of St. Ambrose University as they pursue their comprehensive education.

### **TESTING SERVICES**

The University offers the administration of the American College Testing Program (ACT) [April only], the College Level Examination Program (CLEP), a Placement Testing Program and the Graduate Management Admission Test

(GMAT). Placement Tests in reading, writing, and math are required of all new full-time students (with certain exceptions for transfer students). Results help ensure appropriate placement in beginning courses.

**TUTORING**

The Tutoring Program is available to all St. Ambrose University undergraduate students. The program is nationally certified by the College Reading and Learning Association at the Master's Level, the most advanced level of certification available. The program supports most 100 and 200-level-courses and is offered at no cost to St. Ambrose University students.

## ADMISSIONS

### Undergraduate Admission Requirements Applicants Below 23 Years Of Age

#### I. Admission As A Freshman

##### A. Full Admission

You are eligible for admission to St. Ambrose University as a freshman if you meet the following two requirements:

1. You have a cumulative grade point average of 2.50 or above (on a 4.00 scale) from an accredited high school.
2. You have a composite score of 20 or above on the American College Testing Program (ACT) or a 780 or above on the Scholastic Aptitude Test of the College Board (SAT).

##### B. Subject-to-Review Admission

Applicants may be admitted on probation, subject to review of their performance after one semester at St. Ambrose University, if they meet the following two requirements:

1. Have a cumulative grade point average between 2.00 and 2.49 (on a 4.00 scale)
2. An ACT composite score of 16-19 or a 700-779 on the SAT.

##### C. Petition Process

1. Applicants not meeting the minimum criteria for either category above may petition the Admissions Standards Committee. More information on this process is available from the Admissions Office.

##### D. Health History

All undergraduate students are required to have on file in the office of Health Services properly completed health form which includes a health history, a physical examination by your physical and the dates of your immunizations. This information is confidential and is available only to the Director of Health Services. Release of any health information requires the student's signature.

##### E. Placement Tests

All undergraduate students are required to take placement tests in Reading, writing and mathematics.

#### II. Admission As A Transfer

##### A. Full Admission

You are eligible for full-time (12 semester credits or more) or part-time (11 semester credits or less) admission to St. Ambrose University as a transfer student if you have completed 12 college transferable credits of academic work from a fully-accredited institution of higher education with a 2.00 grade point average or above (on a 4.00 scale). You need to submit transcripts of all prior work on higher education levels. If you have less than 12 college transferable semester credits of college work, your admission will be based on your high school GPA and test scores.

##### B. Previous Academic Dismissal

If you have been dismissed from an institution for academic or other reasons, you need to submit all transcripts including high school and a letter to the Admissions Committee at St. Ambrose University explaining the cause of dismissal and the steps followed to prevent future problems. Students will not be considered for admission until one semester after their dismissal.



## C. Exceptions

Applicants must petition the Admissions Standards Committee for exceptions to the norms listed above.

## D. Language Requirement

Transfer students wishing to use a year of high school foreign language to waive the foreign language requirement must submit a high school transcript as part of the application process.

## E. Health History

All undergraduate students are required to submit a properly completed health form which includes a health history, a physical examination by their physician and the dates of immunizations. Transfer students may forward a copy of the health form originally submitted to the institution from which they are transferring. This information is confidential and is available only to the Director of Health Services. Release of any health information requires the student's signature.

## F. Placement Tests

All transfer students are required to take a writing test, a reading test (unless a "C" is transferred in for an English composition course [Engl 101]) and a mathematics test (unless a "C" is transferred in for an intermediate algebra course [Math 121]).

**III. Admission As A Temporary (Guest) Student**

If you are enrolled as a student in good standing in another post secondary institution, you are eligible for full-time (12 semester credits or more) or part-time (11 semester credits or less) admission as a non-degree student.

**IV. Admission With A General Educational Development Test Certificate**

If you are a prospective matriculate who does not have a high school diploma, you are required to score 45 or higher on the High School Equivalency Certificate examination and to have earned an ACT composite score of 18 or more or a 779 in the SAT.

**V. Early Enrollment of High School Students**

St. Ambrose University allows eligible high school seniors and selected juniors the opportunity to earn college credit while still enrolled in high school. An eligible student ordinarily may enroll for a maximum of three semester credits in any given term. Requirements for admission for early enrollment are: high school transcript, letter of recommendation from high school counselor, written permission from a parent-guardian and a meeting with an Admissions Counselor.

**VI. Admission as a Non-Degree Student**

- A. You may be admitted as a non-degree student by applying for non-degree status and signing a non-degree waiver. Non-degree students must complete a minimum of one full-time semester (12 semester credits) before requesting a review for degree status. The request must be accompanied by transcripts from all previous colleges and high school. You will be subject to all admission policies at the time of your status review. Non-degree students are not eligible for financial aid.
- B. All full-time non-degree students must comply with the same admissions conditions applied to subject-to-review students.
- C. When a student applies to St. Ambrose University as a non-degree student, she will be not filed that their provisional status will be posted on their transcript and that the first 15 credits earned can be applied toward a degree. At the time of admission it will be made clear that the non-degree student does not have to apply for degree status when the 15 credits

have been earned. The option to switch to degree status is up to the student no matter how many credits they have earned.

- D. When a non-degree student has applied to the Admissions Office for degree status, the Board of Studies **will** be asked to review the academic record and notify Admissions regarding **all** credits earned and the academic status of the applicant.
- E. After acceptance, the applicant's transcript will be posted with their new degree' seeking status, and they will be notified of how many credits they have earned.

**PLEASE NOTE:** The student will always **benotified in advance** about their academic status and credits earned. The transcript will not be altered (regarding earned hours) until the student has had a chance, if necessary, to appeal to the Board of Studies.

- F. Non-degree students that have attended SAU prior to Fall 1992 will retain all credits earned up to that date. All current students will be notified that they can earn 15 more degree credits as a non-degree student but after that they will be subject to the same policy as the new Fall 1992 non-degree student.
- G. All full-time degree and non-degree students with academic work below a 2.00 GPA at SAU will be reviewed by the Board of Studies and will be notified of decisions regarding their academic status.

### VII. International Students

International students are subject to the admissions policies of St. Ambrose University and to the regulations of the Immigration and Naturalization Service of the United States Department of Justice.

Students from foreign countries who desire admission should have completed the form of secondary education making them eligible to seek admission to college studies (or equivalent) in their own country. Students from foreign countries must be able to read and write English, to understand spoken English, and be able to speak English in such a way as to be understood. Before St. Ambrose University will issue a letter of acceptance or Form 1320 required by the United States Government, the applicant must take the Test of English as a Foreign language (TOEFL) administered by the Educational Testing Service, Princeton, New Jersey, and have the results sent to the Admissions Office at St. Ambrose University. A minimum score of 500 is required at the undergraduate level and 550 at the graduate level.

### APPLICATION PROCEDURES

In order to be considered for admission as a new undergraduate entering student, you need to:

- A. Complete the APPLICATION FOR ADMISSION TO ST. AMBROSE UNIVERSITY form and submit it to the Office of Admissions, 518 West Locust Street, Davenport, Iowa 52803. A \$15.00 non-refundable application fee is to be included with the application form.
- B. If you have no prior college work, you should have an official transcript of all high school work sent directly to the Office of Admissions.
- C. If you have attended another college and/or university, you should have an official transcript of all work attempted at each institution sent directly to the Office of Admissions. Applicants who have completed less than 24 semester or 36 quarter hours of credit also should have an official transcript of their high school records sent directly to the Office of Admissions.
- D. Submit a copy of test results from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT). High school students are encouraged to take either the ACT or the SAT examinations early in their senior year of studies. (Individuals over the age of 22 years are exempt from this requirement).

- E. Submit to the Health Service a properly completed health form which includes: a health history; a physical examination by a physician; an immunization history. Transfer students may forward a copy of the Health Form they originally submitted to the institution from which they are transferring. This information is confidential and is available only to the Director of the Health Service. No information will be released without written consent of the student.

## **APPLICANTS 23 YEARS OF AGE AND OLDER**

### **I. Admission As A Degree-Seeking Student**

- A. No Prior College Enrollment
1. You are eligible for admission to St. Ambrose University as a full-time (12 semester credits or more) or part-time (11 semester credits or less) student if you have graduated from an accredited high school with a GPA of 2.50 or have earned a high school equivalency certificate with a minimum score of 45 on each of the areas. You need to provide your high school transcript, high school equivalency certificate, or proof of high school graduation.
  2. Applicants with a high school GPA of 2.00-2.49 will be admitted on a probationary status known as "Subject to Academic Review."
- B. Admission As A Transfer
1. You are eligible for full-time (12 semester credits or more) or part-time (11 semester credits or less) admission if you are transferring from another college or university with 12 transferable credits and a cumulative GPA of 2.00 or above. Transcripts of all undergraduate studies completed since your graduation from high school should be sent to the Office of Admissions at St. Ambrose before registration. Students with less than 24 transferable credits are required to submit a high school transcript or GED.
  2. Applicants not meeting the minimum requirements for either of the above categories must have a personal interview with the Director of the Center for Adult Learners.

### **II. Admission As A Non-Degree Seeking Student**

- A. You may be admitted as a non-degree student by applying for non-degree status and signing a non-degree waiver. Non-degree students must complete a minimum of one full-time semester (12 semester credits) before requesting a review for degree status. The request must be accompanied by transcripts from all previous colleges and high school. You will be subject to all admission policies at the time of your status review. Non-degree students are not eligible for financial aid.
- B. All full-time non-degree students must comply with the same admissions conditions applied to subject-to-review students.
- C. When a student applies to St. Ambrose University as a non-degree student, he/she will be notified that their provisional status will be posted on their transcript and that the first 15 credits earned can be applied toward a degree. At the time of admission it will be made clear that the non-degree student does not have to apply for degree status when the 15 credits have been earned. The option to switch to degree status is up to the student no matter how many credits they have earned.
- D. When a non-degree student has applied to the Admissions Office for degree status, the Board of Studies will be asked to review the academic record and notify Admissions regarding all credits earned and the academic status of the applicant.
- E. After acceptance, the applicant's transcript will be posted with their new degree seeking status, and they will be notified of how many credits they have earned.

**PLEASE NOTE:** The student will always be notified in advance about their academic status and credits earned, The transcript will not be altered (regarding earned hours) until the student has had a-chance, if necessary, to appeal to the Board of Studies.

- F. Non-degree students that have attended SAU prior to Fall 1992 will retain all credits earned up to that date. All current students will be notified that they can earn 15 more degree credits as a non-degree student but after that they will be subject to the same policy as the new Fall 1992 non-degree student.
- G. All full-time degree and non-degree students with academic work below a 2.00 GPA at SAU will be reviewed by the Board of Studies and will be notified of decisions regarding their academic status.

## FINANCE

### PROCEDURES FOR FINANCIAL AID AND SCHOLARSHIP APPLICANTS

You can obtain full information and applications for financial aid, scholarships, loans, university employment, grants, work-study, and cooperative programs from:

The Dean of Admissions or The Director of Financial Aid St. Ambrose University 518 West Locust Street Davenport, Iowa 52803-2898

Your application for financial aid is entirely separate from your application for admission as a student at St. Ambrose University.

In order to be considered for financial aid, you must complete a Free Application for Federal Student Aid and send it to Iowa City for processing. This form is used to apply for both need and no-need funds.

If you are an Iowa resident, this information should also be released to the Iowa College Aid Commission and it should reach Iowa City prior to April 20th. Only those students who submit this form on time are considered for State of Iowa scholarship and/or Iowa Tuition Grant money.

The priority deadline for financial aid is on or before March 15 of the year in which you wish to enter the fall semester.

Need must be established by completing the financial aid form for all federal and state funds such as loans, grants, work-study programs. The financial aid form must also be filed for all university funds such as (but not limited to) academic scholarships, athletic scholarships, work-programs, etc. This form must be completed each year for possible renewal of funds. The financial aid form is available in high school guidance offices or in the St. Ambrose University Financial Aid Office.

All students receiving financial aid (federal, state, and/or institutional funds) are expected to complete all courses attempted while maintaining at least a cumulative grade point average of 2.0 (undergraduate) or 3.0 (graduate). For purposes of financial aid, the academic year is defined as extending from August 15th through August 14th of the following year. All hours must be completed and/or cumulative grade point average earned at the minimum level by August 14 in order to receive funding for the following year.

A student who feels there were extenuating circumstances which prevented him/her from meeting satisfactory progress requirements, may write a letter of appeal to the Satisfactory Progress Committee. The appeal must be in writing and should be sent to the Director of Financial Aid no later than 2 weeks prior to the start of the semester for which a student would like to be considered for aid. The Satisfactory Progress Committee will review the appeal and render a decision. There is no further appeal beyond this committee.

This is a summary of the Statement of Satisfactory Progress--a complete listing of all requirements is contained on the Statement of Satisfactory Progress and is available in the Financial Aid Office and also is mailed with the first award letter each year.

International students are not eligible for federal or state funding unless they meet certain conditions established by the United States Department of Immigration and Naturalization. These conditions are available in the St. Ambrose University Financial Aid Office.

A detailed policy statement on financial aid is also available in the Financial Aid Office. More specific information is available in the Financial Aid Office on the following institutional programs.

## SCHOLARSHIPS

### Seminary

Seminary scholarships are available to students accepted by dioceses to study for the priesthood.

Information on Seminary Scholarships at St. Ambrose University is in the Seminary section of this catalog.

### General

There are also scholarships for students with general and special abilities. These are awarded on the basis of academic achievement, need, and leadership ability. (Check under specific departments for special scholarship available.)

Once you are awarded an academic scholarship, it is continued under the following conditions: you must be meeting Satisfactory Progress Requirements and you must maintain a minimum of a 3.25 cumulative grade point average.

Other awards are continued if financial need or aptitude in a special field still exist.

### Academic Scholarships For High School Students And Transfer Students

High school students with a cumulative grade-point average of 3.30 (on a 4.0 scale) and above are eligible for academic scholarships at St. Ambrose University.

Transfer students with a grade point average of 3.30 (on a 4.0 scale) and above are also eligible for academic scholarships.

### Requirements

To receive the scholarship money the student needs to be enrolled as a full-time student (minimum of 12 semester credits). The student also needs to apply for all other types of financial assistance including the completion of a needs analysis form.

The scholarship for new freshmen may be renewed for a maximum of four years. To renew the scholarship, the student needs to meet all of the established financial aid policies.

### Scholarships are based on the grade-point average at the time the first transcript is received by the St. Ambrose University Admissions Office .

A student without demonstrated need may receive an academic scholarship at St. Ambrose University. The gift aid, however, will be limited to the amount of the scholarship.

A transfer student must already have completed at least 12 semester credits at the prior institution of attendance in order to receive the scholarship at St. Ambrose University.

## LOANS

You may be eligible for a student loan assigned from the following sources:

### **Forgivable Loan for Children of Educators and Children of Alumni of St. Ambrose University**

Dependent sons and daughters of elementary or secondary educators or dependent children of St. Ambrose alumni may receive up to \$1400.00 per year, applicable only to room and board. This loan is forgiven at the time of graduation. Renewal requires continuous enrollment. These programs are available only to new freshmen and new transfer students. Applicants are eligible for only one forgivable loan program.

### **Stafford Loan (formerly GSL) Iowa Plus/SLS Loans**

Each state has Stafford Loan programs for students and parents from the respective states. These loans are handled through a home town bank or a credit union.

The Iowa Plus/SLS Loans are long-term, low-interest rate loans made available to eligible students and parents to help pay expenses at an approved post secondary educational institution.

### **Perkins Loan**

St. Ambrose University is authorized by the federal government to grant loans if financial need exists. The availability of the loans is dependent upon federal legislation and availability of funds.

## GRANTS

### Brother-Sister Grant

This is a grant in a fixed amount which may be awarded to a family when two or more full-time, dependent students from the same immediate family attend St. Ambrose University at the same time.

### Adult Learner Grants

1. Students 25 years of age and older may qualify for one third (1/3) tuition discount. This discount applies only to the first 6 credits of each registration. Need is a factor and early application is necessary.
2. Undergraduate alumni may also be eligible to receive up to one third (1/3) tuition discount on undergraduate courses 3 years after their date of graduation. There are two groups of persons who would be eligible under the former Alumni Discount Program:
  - a. Those who are already in the Alumni Discount Program (regardless of the length of time since their degree completion date) for so long as their attendance is continuous, and b. Those who were enrolled in and completed a degree program in 1991-1992. These students will be eligible for the former discount, without a waiting period, so long as they apply for the Alumni Discount program in either Summer or Fall 1992 and for so long as their attendance is continuous from that time.
3. MBA alumni may be eligible for up to one third (1/3) tuition remission on MBA courses. (Programs listed in #2 and #3 replace the previously established Alumni Discount.)

The Adult Learner's grants listed above are available for those students who are not eligible for any other forms of financial assistance such as Pell, Iowa Tuition Grant, employer assistance, Vocational Rehabilitation, and all other outside sources of assistance. Contact the Center for Adult Learners for application and/or information.

### Institutional Grants

Certain institutional grants are available to those students demonstrating financial need who do not have sufficient sources of other funds to cover that need. All applicants are considered for these grants.

### Iowa Tuition Grant Program

If you are a qualified undergraduate Iowa student, this program provides financial assistance for attendance at a private Iowa college such as St. Ambrose University. The amount of the grant depends upon your need and enrollment status.

### Supplement Educational Opportunity Grant

This federal aid program is available to students showing exceptional financial need.

### Pell Grant Program

This government-financed program aids students with unusual financial need who otherwise would be unable to enter or remain in college.

### Work-Study Program

This government program provides another source of funds to assist students in obtaining their college education. The program is based on need.



## **COOPERATIVE EDUCATION**

Through the Cooperative Education Program, students are able to earn a salary as well as academic credit by working in coop jobs. Students are placed in positions related to their academic majors, and work schedules are carefully fitted to class schedules. Salary is paid directly to the student. Students do not have to demonstrate financial need in order to participate in this program.

## UNIVERSITY EMPLOYMENT

At St. Ambrose University, you will find opportunities for part-time employment in the University often are available as a portion of your student financial assistance program. Jobs also are available in the community through the Career Development Center.

## EXPENSES

The following expenses are for the 1993-1994 academic year. Costs for the 1994-1995 academic year will be made available. Your tuition, fees, board and room are charged on a semester basis. Payment of the charges, or financial arrangements for payment, is necessary before you attend class. If you wish to make monthly payments, you may use Visa or Master Card, or make arrangements with the University Business Office.

Your tuition charges are standardized, and you will have no additional fees except those listed under special expenses.

### TUITION

#### Undergraduate

1-11 semester credits --per semester credit	\$307.00
12-18 semester credits -- per semester	\$4925.00
19 plus semester credits -- per semester credit	\$307.00
<b>Graduate</b> -- per semester credit	\$307.00

### BOARD

These rates are 1993-94. Our 1994-95 rates will change in proportion to changing costs.

One of three optional meal plans is required of all resident students:

19 meals a week	\$1100.00 per semester
14 meals a week	\$1050.00 per semester
10 meals a week	\$975.00 per semester

### ROOMS

These rates are 1993-94. Our 1994-95 rates will change in proportion to changing costs.

Cosgrove Hall Davis Hall, Hayes Hall, Rohlman Hall

General, double, each student, per semester	\$815.00
General, single, per semester	\$1260.00
Townhouse	
General, double, each student, per semester	\$1075.00
General, single, per semester	\$1400.00

Your room assignment is subject to contractual arrangements through the Student Service Office.

The University reserves the right to move any student on campus whenever the student or the University will be better served by such a change.

### SPECIAL EXPENSES

**First Registration Fee** \$10.00

(Payable only once at the time of the first registration.)

**Application Fee (Undergraduate)** . \$15.00

**Application Fee (Graduate)** . \$25.00

The fee is to accompany your application for admission when your application is returned to the Admissions Office. The fee will not be applied toward tuition, and it will not be refunded.)

**Tuition Deposit** \$50.00

(This non-refundable tuition deposit is required after you have been admitted.)

#### **Fees for assessment of prior experiential learning through individually designed methods:**

For each equivalency credit requested, payable in advance	\$20.00
Additional fee for each equivalency credit awarded	\$30.00
College-Level Examination Program (CLEP) Test	\$35.00
Each credit awarded	\$20.00

<b>M.B.A. Competency Examination Fee</b>	\$100.00
<b>Special Examination Fee</b>	
For each examination taken	\$60.00
For each credit awarded	\$30.00
<b>Change of Registration Fee</b>	\$2.50

Charged for each Drop/Add Form changing the current registration as follows:

Fall Semester	Spring Semester
After September 7, 1993	After January 31, 1994
September 6, 1994	February 6, 1995

<b>Late Registration Fee</b>	\$ 15.00
	Same dates as above
<b>Late Payment Fees</b>	Vary
<b>Graduation Fee</b>	\$35.00
<b>Motor Vehicle Registration</b>	
Resident Student, Per Year	.\$15.00
Commuter Student Per Year (Carrying seven semester credits or more)	\$15.00
Adult Learner Student Per Year (Part-time six semester credits or less)	\$7.50
Graduate Student Per Year	\$7.50

### **COURSE LAB FEES Per Semester Per Course**

#### **Department and Course Fee**

<b>Art</b>	
Courses 206, 207, 208, 306, 400, 401,402	\$10.00
Courses 233, 234, 301,304, 320, 420, 431	\$15.00
Courses 220, 303, 305	\$30.00
Astronomy Course 201	\$20.00
<b>Biology</b>	
Courses 109, 101,103, 104, 108, 202, 204, 211,221, 231, 241,301,302, 303, 304, 305, 306, 307, 314	\$30.00
Course 500	\$115.00
Course 323 - Special Topics fee may be assessed depending on subject	Fee Varies
<b>Business Administration</b>	
Courses 205, 304, 305, 323	\$25.00
<b>Computer Science</b>	
All Computer Science Courses	\$25.00
<b>Chemistry</b>	
Courses 101, 103, 105, 106, 209, 210, 301,303, 311, 313, 314, 319, 428, 429	\$30.00
<b>Economics</b>	
Courses 205, 305	\$25.00
<b>Education</b>	
Courses 409, 419, 430, 432, 433	\$85.00
Course 308	\$25.00
Course 403	\$45.00
<b>Engineering</b>	
Course 101	\$15.00
Course 341	\$25.00
<b>Industrial Engineering</b>	
Courses 110, 290, 300, 351, 375	\$15.00
<b>Management Information Systems</b>	
All Management Information Systems Courses	\$25.00
<b>Mass Communications</b>	
Course 225	\$25.00
<b>Master of Business Administration</b>	
Course 690 (LTPS. Fee will be adjusted when tuition changes)	\$328.00

**Master of Criminal Justice**

Course 702 \$50.00

**Master of Education**

Courses 700, 710 \$40.00

**Mathematics**

Courses 300, 301,330 \$25.00

**Music**

Courses 235, 236, 237, 238, 239, 240 \$15.00

Private instruction for registered students in voice, piano, organ, orchestral and band instruments

One half-hour lesson per week \$80.00

**Natural Science**

Courses 105, 202 \$20.00

**Occupational Therapy**

Courses 313, 314, 323, 326, 327, 443, 444, 452, 456, 457, 458, 511 \$30.00

Courses 325, 441,442, 451,543 \$50.00

Course 327 \$55.00

**Physical Education**

Courses 149, 151, 152, 153, 154, 155, 157, 158, 160,165 Fees Vary

Lifetime Activity fees vary with each activity and may vary by semester

Course 308 \$15.00

**Physics**

Courses 160, 203, 204, 251,253, 254, 306, 325, 326, 329 \$20.00

**Psychology**

Course 403 \$15.00

Course 406 \$30.00

**Social Sciences**

Course SSCI 213 (Criminal Justice, History, Political Science, Psychology, Sociology) \$25.00

**TUITION REFUNDS****1993 - 1994 Academic Year****Percentage of Refund**

Fall 1993

100% On or Before September 5, 1993

80% September 6-19, 1993

70% September 20-26, 1993

60% September 27 - October 10, 1993

50% October 11-24, 1993

40% October 25-31, 1993

0% On or After November 1, 1993

Spring 1994

On or Before January 30, 1994

January 31 - February 13, 1994

February 14-20, 1994

February 21 - March 6, 1994

March 7-20, 1994

March 21-27, 1994

On or After March 28, 1994

**1994 - 1995 Academic Year****Percentage of Refund**

Fall 1994

100% On or Before September 4 1994

80% September 5-18, 1994

70% September 19-25, 1994

60% September 26 - October 9, 1994

50% October 10-23, 1994

40% October 24-30, 1994

0% On or After October 31, 1994

Spring 1995

On or Before February 4, 1995

February 5-19, 1995

February 20-26, 1995

February 27 - March 11, 1995

March 12-26, 1995

March 27-April 2, 1995

On or After April 3, 1995

**Refund Policies for Courses with Unusual Beginning and Ending Dates****7 Week Courses**

100% Through Week One

80% Through Week Two

60% Through Week Three

50% Through Week Four

No Refund After Week Four 12 Week Courses

100%	Week One
80%	Week Two
70%	Week Three
60%	Week Four
50%	Week Five
50%	Week Six
40%	Week Seven

No Refund After Week Seven

You are obligated for the full amount of tuition for the courses for which you are registered, subject to the refund schedule. The above percentages apply to the total semester's tuition rather than the amount paid.

### **OTHER REFUNDS**

If you withdraw from the University, a refund for room and board will be made on a pro rata basis dating from the day the student has successfully completed the check out procedure with the Office of Student Services.

No refund will be given on fees.

### **RESIDENT STUDENTS**

If you are from outside the Quad City area, you are required to live on campus. As a resident student, you also must board on campus. This is determined by the residency of parents or guardian.

Once your application for admission as a student has been accepted, a \$100.00 room deposit is required for your room reservation. For new students who do not matriculate this deposit is refundable twelve weeks or more before the first day of the semester you enter. Returning students are required to submit each year either a new contract or a request for refund before May first. Refunds will be given provided your room is free of damage.

Your room reservation is arranged with the Office of Student Services.

All rates and room assignments are subject to change, if conditions require it.

The scholastic year begins on registration day in the fall and ends with the last day set for spring semester examinations. During this time there are four vacation periods including Thanksgiving, Christmas, Spring Break and Easter. It is expected that students will leave campus during these vacations, and all must leave at Christmas. If you wish to remain at the University through any part of the other vacation periods, you should notify the Office of Student Services. You also will need to make your own arrangements for meals during this time.

### **TRANSCRIPTS**

Transcripts are issued upon your written request to the Registrar's Office. There is no charge for the first transcript.

A fee of two dollars (\$2) is charged for official copies with a seal which are sent directly from institution to institution, employer, or prospective employer. Official copies are not given out as Personal copies. All Personal copies are unofficial and are without the official seal. Personal copies are 25 cents per copy. You should allow one week for the preparation of a transcript of credits. (Transcripts are issued on an emergency basis only during the week of registration before each semester.)

FAX Policy: Transcripts or grade reports will not be transmitted or received over the FAX. (Emergencies can be met with overnight, same day or next day express mail. It is not usual for a school or an employer to give a student or employee one day (or less) notice for need of official documents.)

Loan deferment forms can be sent if the FAX is located in the loan office. Original forms will be sent as follow-up through the mail.

Signed, handwritten or typed, transcript requests received by FAX will be honored. A follow-up letter containing cursive signature and payment will be requested.

Documents received by FAX are considered "Unofficial" and may be used as working documents only.

Completion of files, evaluations of credits, certification of athletes or other official actions will need receipt of the official, stamp/sealed transcript. (At present, there is no FAX in the Registrar's Office. The university FAX is located in the Library and open to the public. Sending of any confidential documents should take this lack of privacy or control into consideration before they are sent.

This policy will be reviewed each year. The privacy of the telephone line (copper, laser or micro-wave) is still an extremely unclear legal area. Approximately 80 to 85% of the members of American Association of College Registrars and Admission Officers do not transmit or receive transcripts by FAX. Those that do FAX transcripts have a FAX machine in their office and send unofficial transcripts only to other Registrar's that have Fax's in their offices. These are followed up with an official transcript sent through the mail.

### **RETIRED LEARNERS**

If you are retired and 65 years of age or older, you may take up to two undergraduate courses per semester, with only a \$50.00 registration fee per course. As a retired learner, you will be in an audit status. The University reserves the right to limit class size and to cancel classes in accordance with normal institutional policy. Details are available from the Center for Adult Learners.

### **SEMINARY**

The Catholic Diocese of Davenport maintains on the St. Ambrose University campus a college-level seminary for young men who feel they are called to the ordained priesthood.

The Seminary Department helps prepare candidates so they may enter a school of theology after college. There also is spiritual supervision to help candidates discern if they have a vocation. Men in the St. Ambrose Seminary live in Hayes Hall, participating together in a community faith life and sharing common daily prayer experiences. They may pursue any of the bachelor degree programs offered by St. Ambrose. All Seminary students are required to take the philosophy and theology courses needed/or entrance into a major seminary.

*If* you are interested in entering the Seminary at St. Ambrose, you need to meet the undergraduate admission requirements of the University. You also need acceptance by your local Bishop and by the Rector of the Seminary at St. Ambrose *if* accepted, financial assistance in the form of scholarships and loans is available through the Bishop or Diocesan Director of Vocations. St. Ambrose University also offers a number of ecclesiastical scholarships through the Clement J. and Mary L. Dunn Scholarship program.

Further details may be obtained from the Rector of the Seminary Department.

## ACADEMIC INFORMATION

### DEGREES

St. Ambrose University offers courses leading to the following degrees:

Bachelor of Arts Bachelor of Science  
 Bachelor of Music Education  
 Bachelor of Science in Industrial Engineering  
 Bachelor of Science in Occupational Therapy  
 Bachelor of Applied Management Technology  
 Bachelor of Arts in Special Studies  
 Bachelor of Elected Studies  
 Master of Accounting  
 Master of Business Administration  
 Master of Criminal Justice  
 Master of Education  
 Master of Health Care Administration  
 Master of Pastoral Studies  
 Master of Physical Therapy

You must meet the general degree requirements and the requirements of a major as stated in the Catalog at the time of your admission, or as stated in the Catalog for the year in which you graduate.

### DEGREE REQUIREMENTS

#### Bachelor of Arts Degree Requirements

In order to earn a Bachelor of Arts Degree from St. Ambrose University with 120 semester credits, you need to:

1. Complete the requirements for a major as described in the Catalog. Courses in your major Department and courses in other Departments which are required for your major may be used to meet general Degree requirements where applicable.
2. Complete if indicated by the results of placement tests administered at the time of first enrollment--any required developmental courses in Mathematics, English, and Reading (Mathematics 100, English 100, and Learning Skills 090 and 100). No more than nine semester credits in courses listed as 100 (i.e., below the 101 level) may be counted toward the 120 semester credit degree requirement, and these courses may not be used to fulfill distribution requirements four through 10 listed below.
3. Demonstrate mastery in four areas of basic college-level skills, including English Composition, Mathematics, Public Speaking, and Library Skills.

Proficiency in English Composition may be demonstrated a) by passing English 101 (Written Communication) with a grade of "C" or above, or b) by earning three semester credits in English Composition through the College Level Examination Program (CLEP) test "English Composition with Essay."

Proficiency in Mathematics may be demonstrated: a) by passing Mathematics 110(Math for Liberal Arts)or Mathematics 121 (Intermediate Algebra) with a grade of "C" or above, b) by passing a Mathematics course above the level of Mathematics 121, c) by earning three semester credits in Mathematics through the College Level Examination Program (CLEP) test in Mathematics, or d) by earning a score of 16+ on the Descriptive Test of Mathematical Skills (DTMS) intermediate Algebra Test or 17+ on the DTMS Functions and Graph Test. Proficiency in Public Speaking may be achieved by: fulfilling specific requirements at St. Ambrose University, requesting experiential credit in public speaking, or requesting a waiver from the public speaking requirement.

Fulfilling Specific Requirements at St. Ambrose University:



- A. The Student may complete the following courses with a grade of "C" or better: Speech 101, 203, 328, 329.
- B. The student may:
  1. Pass with a grade of "C" or better, in the semester preceding the semester in which the exemption is requested, an objective test covering the basic principles of public speaking, and
  2. Deliver a persuasive speech to an audience selected by the department on any matter of national, state, or local concern. The speech must be 10 minutes in length and supported with a full and correct outline submitted prior to the presentation of the speech. A grade of "C" or better is necessary for the speech to fulfill the public speaking requirement.

#### Experiential Credit for Public Speaking

The following criteria must be met in order to receive experiential credit for Speech 101:

- A. The student must present evidence of at least four public speaking experiences.
  1. The speeches must have been delivered to different audiences.
  2. The audiences for the four speeches must have included at least 10 members.
  3. Each of the four speeches must have been at least 8 minutes in length.
  4. Each of the four speeches must have included the use of visual aids (handouts, overheads, charts).
  5. The speeches may be either informative or persuasive in purpose. Informative speeches involve the presentation of information to an audience or the demonstration of some activity. Persuasive speeches may include sales or motivational speaking.
- B. Briefings are defined as the presentation of information to an audience familiar with the content and alone are not eligible for experiential credit.
- C. To receive experiential credit in public speaking, the student must present proof of their prior speaking experiences. Such proof consists of at least two of the following:
  1. Public relations material advertising the speeches, including, but not limited to, flyers, brochures, announcements, etc.;
  2. Letters from audience members or sponsoring groups acknowledging the presentations;
  3. Two sample outlines that illustrate the purpose of speeches given and the detailed structure of the speeches;
  4. A sample visual aids from at least one of the speeches.

#### Waiving the Public Speaking Requirement

The following criteria must be met in order to receive a waiver for Speech 101:

- A. The student may demonstrate involvement, for at least two semesters, in competitive debate or forensics activities. The activities eligible for a waiver of the public speaking requirement include:
  1. policy or value debating;
  2. extemporaneous speaking;
  3. and/or oratory or other events in which the student is the author of the presented speech or speeches.

Interpretation, declamation, or other events in which the student presents the material of another author or authors do not meet the criteria for waiving the public speaking requirement.

- B. Prior university or college courses in public speaking or courses that included public speaking as a major component of course content. Prior high school coursework in speech does not meet the criteria for waiving the public speaking requirement.
- C. Prior experiential training in a sales or training program in which public speaking was emphasized.
- D. Prior involvement with organizations that emphasize and encourage public speaking, such as Toastmaster, International Training in Communication, etc.
- E. To qualify for the waiver of the public speaking requirement, a student must submit the following:
  - 1. a letter of reference from someone able to comment on the student's prior public speaking experiences; and
  - 2. a brief resume of prior public speaking experiences.
  - 3. All new students are required during their first year to demonstrate Library Proficiency by completing a workbook prepared by the information services/reference librarians. The text of the requirement is as follows:
    - 1. All new students entering St. Ambrose for the first time in the fall of 1985 or thereafter will be required to pass a library skills test before registering for the 31st credit hour.
    - 2. Transfer students or adult learners who will begin their work at St. Ambrose in the fall of 1985 or thereafter and who are seeking a degree from St. Ambrose will be required to pass a library skills test upon completion of 12 semester credits. (Note: Transfer students with a Bachelor of Arts or Bachelor of Science are exempt from the Library Requirement.)
- 5. Complete six semester credits of approved courses in the Fine Arts. Courses are to be selected from at least two of the following Departments:
  - a. Art
  - b. Music
  - c. Theatre.

All approved courses are noted in this section of the Catalog (pages ) and in the semester course schedules made available by the Registrar's Office.

- 6. Complete six semester credits of approved courses in Foreign Languages and Literature, not including English 101 (Written Communication). One of the courses must be in Literature. Courses are to be selected from the following Departments:
  - a. Classical and Modern Languages
  - b. English

The requirement of a Literature course may be fulfilled by a Literature course taken in the Department of English or by one taken in the Department of Classical and Modern Languages (either in the original language or in translation). You are to take three semester credits in a foreign language unless you have completed one unit of a language in high school or unless you transferred a completed Associate in Arts or Associate in Science Degree to St. Ambrose.

Foreign Language 101 (Inter-cultural Understanding), maybe used to fulfill the Language requirement. Persons exempt from the Language requirement still need to complete six semester credits in the Division.

- 7. Complete six semester credits of approved courses in the Natural Sciences. Courses are to be selected from at least two of the following course designations:
  - a. Astronomy

- b. Biology
  - c. Chemistry
  - d. Natural Science
  - e. Physics
8. Complete twelve semester credits of approved courses in Philosophy and Theology. Three hours of Theology from: Theology 101,201,202, 215, 219, 240, or 250; Three hours of Philosophy from: Philosophy 101,201,207, 208, 210, 217; and 6 hours of Philosophy or Theology from approved courses listed on pages or from courses marked with a "#" in the Philosophy or Theology Course Description areas of the catalog (pages 167-169, 200-206).
  9. Complete nine semester credits of approved courses in the Social Sciences. Courses are to be selected from at least two of the following departments, one of which must be history:
    - a. History and Geography
    - b. Political Science
    - c. Psychology
    - d. Sociology
    - e. Economics

Students majoring in Accounting, Economics and Business Administration may not use Economics to fulfill their Social Science distribution requirement. All approved courses are noted in this section of the Catalog (pages 52-56) and in the semester course schedules made available by the Registrar's Office.

10. Complete the course Physical Education 149 (Physical Education Concepts) in addition to one activity course for a total of two semester credits. No more than six semester credits in Physical Education (which can include only 4 semester credits of Varsity Athletics), may be applied toward the 120 semester credits required for a degree. This restriction applies to all students except those majoring or minoring in Physical Education or those who receive the Coaching Endorsement.
11. Meet the following requirements for your degree in addition to completing the minimum number of semester credits:
  - a. A cumulative grade-point average of at least 2.00 is to be earned in all semester credits attempted toward a bachelor's degree and in all semester credits attempted at St. Ambrose University. There also is to be a cumulative grade-point average of at least 2.00 earned in all the courses required for your major unless a higher grade-point average is specified in the Catalog for that major.
  - b. At least 30 semester credits are to be in courses coded at the 300 level or above.
  - c. Students entering St. Ambrose University during or after Fall 1991 must satisfy the Writing Intensive requirement as stated below. Students who entered St. Ambrose before Fall 1991 have the option of either passing the Junior Level Writing Exam by June 1994 or satisfying the Writing Intensive requirement. Students who have not passed the test by June 1994 will automatically fall under the new Writing Intensive requirement. Transfer courses will not complete this requirement.

Writing Intensive Requirement: After passing English 101 with a "C" or better, the student must pass, with a "C" or better, two Writing Intensive courses. One can be at any level in any department, and one must be at the 300 or 400 level in your declared major. A student pursuing a double major must complete a writing intensive course in each major. This would complete the two required "WI" courses. (A notation of "WI-" printed next to a course code in this catalog identifies a courses as writing intensive.)

- d. St. Ambrose University evaluates the achievement of their students with a variety of assessment instruments and Seniors are required to participate in this process as a graduation requirement.

12. Complete the minimum of 120 semester credits according to the following requirements:
  - a. If you are a transfer student, your last 60 semester credits are to be earned at an accredited four-year college, university or equivalent institution, or approved by the St. Ambrose University Board of Studies on an individual basis. The final 30 semester credits or 45 of the last 60 semester credits are to be earned at St. Ambrose University.
  - b. No more than 42 semester credits earned in any one Department may be counted toward the 120 semester credits required for the degree (except for the following Majors: 43 in Chemistry; 44 in Art; 54 semester credits in Economics and Business Administration, Elementary Education, Foreign Language, Mass Communications, and Theatre; 55 semester credits in Physical Education; and 60 semester credits in Computer Science and Mathematics).

**NOTE** on requirements for the following eight undergraduate degrees

The Library Skills Test and the Writing Requirement described in 4 and 11 -d of the preceding Bachelor of Arts Degree requirements also are required for the Bachelor of Science, Bachelor of Music Education, Bachelor of Science in Industrial Engineering, Bachelor of Arts in Special Studies, Bachelor of Elected Studies, Bachelor of Science in Occupational Therapy, and Bachelor of Applied Management Technology.

**Bachelor of Science Degree Requirements**

In order to earn a Bachelor of Science Degree from St. Ambrose University with 120 semester credits, you need to:

1. Complete a major in Biology, Chemistry, Computer Science, Mathematics or Physics. Courses in the major Department and in other departments required for the major may also be used to meet general degree requirements where applicable.
2. Complete requirements two through eleven as stated in the Bachelor of Arts Degree requirements in this Academic Information section of the Catalog.

**Bachelor of Music Education Degree Requirement**

In order to earn a Bachelor of Music Education Degree from St. Ambrose University with 136 semester credits, you need to:

1. Complete the requirements for a Bachelor of Music Education Degrees described in the Catalog under the Department of Music. Courses in your major department and courses in other departments required for your major also may be used to meet general degree requirements where applicable.
2. Complete requirements two through eleven as stated in the Bachelor of Arts Degree requirements in this Academic Information Section of the Catalog.

**Bachelor of Science in Occupational Therapy**

In order to earn a Bachelor of Occupational Therapy you need to:

1. Complete the requirements for a Bachelor of Occupational Therapy as described in the catalog. Courses in other departments required for your major also may be used to meet the general Degree requirements where applicable.
2. Complete requirements two through eleven as stated in the Bachelor of Arts Degree requirements in this Academic Information Section of the Catalog.

**Bachelor of Arts in Special Studies Degree Requirements**

St. Ambrose University offers Registered Nurses and Allied Health Professionals a program leading to a Bachelor of Arts in Special Studies.

If you are a Registered Nurse and have completed an Associate Degree in Nursing or a two-year hospital nursing program, you may receive 60 semester credit hours and need only take 20 courses to obtain the B.A. in Special Studies. Additional hours beyond the 60 credits for nursing studies (up to a maximum of 90 credit hours) may be obtained from college courses taken after completion of nursing studies, through completion of CLEP exams, or for certain non-collegiate programs recognized by the American Council on Education.

Registered Nurses who have completed three-year hospital diploma programs may receive 90 hours of credit and need only complete 10 courses for the completion of the 120 hours required for the B.A. in Special Studies.

As an Allied Health Professional (Licensed Practical Nurse, Respiratory Therapist, Radiology Technician, Surgical Technician, or Operating Room Technician) you may be able to pursue the B.A. in Special Studies at St. Ambrose. Applicants with degrees or certificates in the Allied Health areas will be subject to a review of their coursework to determine what requirements will need to be met to receive the B.A. in Special Studies.

### REQUIREMENTS

- A. Three-year diploma graduates who are awarded 90 hours are required to complete thirty (30) credit hours, including twelve (12) credit hours in any one area and nine (9) credit hours in each of the two remaining areas.
- B. Two-year diploma graduates and ADN graduates who are awarded 60 credit hours are required to complete sixty (60) credit hours, including twenty-four (24) credit hours in any one area and eighteen (18) credit hours in each of the two remaining areas.
- C. In cases in which students have 60 credits for their two-year nursing programs and additional credits from other sources, a case by case review will be made to determine the required distribution, but in general, the same proportional spread of courses within the three areas will be made.
- D. Earn a cumulative grade-point average of at least 2.00 for **all** semester credits earned at St. Ambrose University.

### ACADEMIC AREAS

The courses taken for this special program must be distributed in the three academic areas given below:

#### Area I Business and Professional Skills

Business Administration (except Economics)  
Accounting  
Mathematics, Computer Science and Management  
Information Systems  
Education and Physical Education  
Natural Sciences

#### Area II Social Awareness Skills

Psychology  
Sociology  
History  
Political Science  
Economics  
Criminal Justice

#### Area III Humanities

Art,  
Music,  
Mass Communications

Speech  
Theatre  
Languages and Literature (English 101 must be included)  
Philosophy  
Theology

### **THE BACHELOR OF APPLIED MANAGEMENT TECHNOLOGY DEGREE PROGRAM**

The Bachelor of Applied Management Technology Degree Program is designed to build on a two-year Associate of Applied Science (A.A.S.) degree. As an A.A.S. degree holder, the student will have already completed a specialized technical, vocational or professional study program and may now add general education and applied management studies to earn a baccalaureate degree.

This study program will provide the graduate with basic skills which may be used in the management of materials, money and human resources within the various activities, functions and organizations which exist in business, industrial, manufacturing and service areas.

### **Admission To The Bachelor Of Applied Management Technology Program**

You are eligible for admission to the Bachelor of Applied Management Technology degree program if you hold an A.A.S. degree from an institution accredited by the North Central Association of Colleges and Schools (or the comparable association from another region) with a 2.00 grade point average or above (on a 4.00 scale). In certain instances, the Admissions Committee reserves the right to assign you to a probationary admissions status.

### **Individual Student Curriculum Plan**

Each student entering the program may have completed a different sequence of college level courses considered for transfer-courses which are part of the A.A.S. degree as well as any other college level courses. Therefore, modifications to the required course list which follows may be necessary for individual students. An individual student curriculum plan must be developed by the student and faculty coordinator using existing courses within the following guidelines:

- o Add developmental course(s) if required by placement test results.
- o Add prerequisite course(s) if necessary.
- o Most A.A.S. degree curricula include courses which are equivalent to courses contained in the required course list. In such cases, these specific courses will not be taken at St. Ambrose University. The credit hours associated with such courses will be used to schedule incomplete general education requirements; i.e., the student may elect from literature or language--3 credits, natural sciences--2 credits, social sciences-3 credits, physical education--2 credits (total of 10 credits).
- o Total semester credits will not be less than 132 unless all 46 general education credits have been met. In no case will total credits be less than 120.

### **Degree Requirements**

In order to earn the Bachelor of Applied Management Technology degree, you need to:

1. At the time of admission, complete the following placement tests and take any development courses indicated by the test results: Nelson-Denny Reading Test Writing Sample Test, Descriptive Test of Mathematical Skills. (This is not required if a course equivalent to MATH 121 is transferred.)
2. Prior to completion of 12 semester hours at St. Ambrose University, take the Library Skills Test.
3. Complete two Writing Intensive courses. One of which must be in the major department at the 300 level.
4. Complete the designated requirements as described in the above curriculum plan.

5. St. Ambrose University evaluates the achievement of their students with a variety of assessment instruments and Seniors are required to participate in this process as a graduation requirement.
6. Earn a cumulative grade-point average of at least 2.00 on a 4.00 scale in all semester credits attempted at St. Ambrose University and in all semester credits earned at St. Ambrose University, and in all semester credits represented by all required courses and electives.

### **BACHELOR OF ELECTED STUDIES DEGREE REQUIREMENTS**

The Bachelor of Elected Studies Degree program offers students the option of completing a regular major or of participating with faculty in designing a concentration consisting of courses oriented toward personal interests, needs or goals. The curriculum includes a general education requirement which allows flexibility in course-work, yet emphasizes the liberal arts.

In order to earn a Bachelor of Elected Studies Degree from St. Ambrose University, you need to:

1. Complete at least 120 semester credits or a combination of 120 semester and equivalency credits.
2. Earn at least 39 semester and/or equivalency credits in courses coded at the 300 level or above, or in company studies considered to be upper-division or upper-level.
3. Earn at least 36 semester credits with a distribution of at least six credit hours each in any three of the following areas other than the areas of greatest concentration: Art, Mass Communications, Music, Speech, and Theatre; Languages and Literature; Natural Science and Mathematics; Philosophy and Theology; Social Sciences; Education and Physical Education; and Accounting, Business Administration and Economics.
4. Present for approval by the Center for Adult Learners Advising Board a curriculum plan at least two semesters before anticipated graduation. The plan should indicate at least 45 semester and/or equivalency credits oriented towards your personal interests, needs or goals. (The Advising Board consists of the Director of the Center for Adult Learners and two full-time faculty members.)
5. Earn through courses at St. Ambrose University the final 30 semester credits applied to the Degree, or 45 of the last 60 semester credits.
6. Attain the age of 25 years or more before pursuing the final 30 semester credits, and the age of 27 year or more at the time the Degree is awarded.
7. One or more majors may be earned by fulfilling Departmental or University requirements, although no major is required for the Bachelor of Elected Studies Degree.
8. Count no more than 60 semester credits of experiential learning towards the Bachelor of Elected Studies Degree.

**NOTE:** Persons who have fulfilled the requirements for another Bachelor's Degree from St. Ambrose University neither automatically earn a Bachelor of Elected Studies Degree in addition to the other bachelor's degree or vice versa. Persons who have earned a bachelor's degree at St. Ambrose University or at another regionally accredited institution, however, may be awarded a Bachelor of Elected Studies Degree by earning at least 30 semester credits through courses at St. Ambrose University after they were awarded their first bachelor's degree. There should be at least a 2.00 cumulative grade-point average for all courses attempted after receiving the earlier bachelor's degree or degrees.

### **EXCEPTIONS TO DEGREE REQUIREMENTS**

Exceptions to the degree requirements may be granted only by the Board of Studies. Requests for such exceptions should be made in writing and forwarded to the Board through the Registrar's

Office. Petition forms for waivers of general Degree requirements are available in the Registrar's Office. The Board of Studies meets monthly during the academic year and as necessary during the summer.

Exceptions to department major requirements may be made by the Chair of the Major Department in consultation with the Registrar. Such Departmental waivers and exceptions must be in writing and copies are maintained in the student's permanent file.

### **COURSES THAT MEET THE GENERAL EDUCATION REQUIREMENTS OF THE 1993-1995 CATALOG**

<b>Course No.</b>	<b>Title</b>	<b>Credits</b>
<b>Art Department</b>		
Art 100	Drawing Introduction	2
Art 150	Survey of Art Studio	2
Art 200	Calligraphy I	2
Art 201	Studio Fundamentals - Painting	2
Art 220	Introduction to Prints I	2
Art 320	Introduction to Prints II	2
Art 233	Photography I	2
Art 250	Art Through the Ages I	2
Art 251	Art Through the Ages II	2
Art 305	Ceramics	2
Art 350	American Art	2
Art 351	Art of the Modern World	2
Art 352	Beyond Western Art	2
Art 353	Classical Heritage	2
Art 354	Christian Art	2
<b>Biology Department</b>		
Biol 101	Principles of Human Biology	4
Biol 103	General Biology I	4
Biol 106	Human Genetics	3
Biol 107	Plants and Civilization	3
Biol 108	Evolution Controversies	3
Biol 109	Environmental Science	4
Biol 110	Natural History for Poets	3
<b>Business and Economics Department</b>		
Econ 201	Principles of Macro-Economics	3
Econ 202	Principles of Micro-Economics	3
(These courses may not be used by Business Administration, Accounting or Economics majors to fulfill general education requirements.)		
<b>Chemistry Department</b>		
Chem 101	Chemistry and Society	4
Chem 102	History of Chemistry	3
Chem 103	Principles of Chemistry	4
Chem 105	General Chemistry I	4
<b>Criminal Justice Department</b>		
Crju 101	Introduction to Criminal Justice*	3
Crju 316	Crime and Delinquency*	3
*Effective Summer 92 and not retroactive		
<b>English Department</b>		
Engl 103	Introduction to Literature	3
Engl 201	British Literature I	3
Engl 202	British Literature II	3
Engl 203	Topics in Literature	3



Engl 209	Women in Literature	3
Engl 210	American Literature I	3
Engl 211	American Literature II	3
Engl 303	Shakespeare	3
Engl 309	Victorian Literature	3
Engl 331	Selected Twentieth Century Writers	3
Engl 339	British Novel	3
Engl 340	American Novel	3
Engl 341	American Poetry	3
Engl 343	American Realism and Naturalism	3
Engl 365	Books that Changed the World	3

**Foreign Language Department**

101, 102	First Year Languages	3
201	French, German, Spanish	3
202	French, German, Spanish	3
301	French, German, Spanish	3
302	French, German, Spanish	3
Plan 101	Inter-cultural Understanding	3
Plan 201	Selected Works of French Literature in Translation	3
Plan 202	Selected Works of German Literature in Translation	3
Plan 204	Selected Works of Spanish Literature in Translation	3

**History Department**

Hist 105	World Civilization to 1500	3
Hist 106	World Civilization Since 1500	3
Hist 201	US History to 1865	3
Hist 202	US History Since 1865	3
Hist 307	History of Christianity: Early and Medieval	3
Hist 308	History of Christianity: Reformation and Modern	3
Hist 317	The Middle Ages: 300 to 1300	3
Hist 338	Contemporary World 1850 to Present	3
Hist 358	Social Change in America 1880-1980	3
Hist 366	Minorities in America	3
Hist 378	History of Latin America Since 1824	3
Hist 383	Far East Since 1840	3
Hist 385	The Modern Middle East	3

**Mathematics Department**

Math 110	Math for the Liberal Arts	3
Math 121	Intermediate Algebra	3

**Music Department**

Mus	102 Guitar Class	1
Mus	103, 303 Applied Music	1
Mus	110 Music Orientation	2
Mus	111 Chorus	1
Mus	117 Concert Band	1
Mus	120 Jazz Appreciation	2
Mus	121-127 Ensemble	1
Mus	200 Fundamentals of Music	2

Non-majors may use any combination of applied or performance classes in Music totaling 4 semester credits (but no more than 3 credits of either type) to apply to general education requirements.

**Philosophy Department**

Phil 101	Introduction to Philosophy	3
Phil 201	Logic	3
Phil 207	Ethics	3

Phil 208	Philosophies of Life	3
Phil 210	Social Philosophy	3
Phil 217	History of Ancient Philosophy	3
Phil 302	Interdisciplinary Seminar in Peace and Justice	3
Phil 305	Business Ethics	3
Phil 310	Bio-Medical Ethics	3
Phil 342	Ethics and Sexuality	3
Phil 343	Ethics of Peace and Non-Violence	3
Phil 360	History of Medieval and Renaissance Philosophy	3
Phil 365	History of Modern Philosophy	3
Phil 370	History of American Philosophy	3
Phil 375	Existentialism	3
Phil 390	Special Topics in Philosophy	3

**Physics Department**

Astr 201	Astronomy	3
Nsci 105	Introduction to Physical Science	4
Nsci 202	Geophysical Science	3
Phys 110	Physics of Sound and Light	3
Phys 160	Basic Electricity and Electronics	3
Phys 203	College Physics	4
Phys 251	General Physics I	5

**Political Science Department**

Psci 101	Government of the US I	3
Psci 102	Government of the US II	3
Psci 304	Civil Liberties and the Constitution	3
Psci 309	International Politics	3
Psci 313	Foreign Policy of the US	3

**Psychology Department**

Psyc 105	Introductory Psychology	3
Psyc 201	Personal Adjustment	3
Psyc 203	Psychology of Gender	3
Psyc 304	Child and Adolescent Psychology	3
Psyc 305	Life-Span Developmental Psychology	3
Psyc 311	Adulthood and Aging	3
Psyc 324	Abnormal Psychology	3

**Sociology Department**

Soc 101	Introduction to Sociology	3
Soc 204	Social Problems	3
Soc 310	The Family	3
Soc 313	Social Psychology	3
Soc 320	Deviant Behavior	3
Soc 325	Social Movements	3
Soc 340	Social Organizations	3
Soc 341	Social Class in American Society	3
Soc 366	Sociology of Minority Groups	3

**Speech and Theatre Department**

Spee 101	Principles of Public Speaking	2
Spee 203	Interpersonal Communication	2
Spee 328	Argumentation and Debate	3
Spee 329	Business and Professional Speaking	3
Thtr 202	Survey of Theatre	3
Thtr 205	Acting: Voice and Body	3
Thtr 206	Acting: Dramatic Camera	3
Thtr 210	Survey of American Film	3

Thtr 304	Theatre History I	3
Thtr 305	Theatre History II	3
Thtr 307	Advanced Acting	3

**Theology Department**

Theo 101	Introduction to Theology	3
Theo 201	Introduction to The Old Testament	3
Theo 202	Introduction to The New Testament	3
Theo 215	Introduction to the Sacraments	3
Theo 219	Introduction to Moral Issues	3
Theo 240	Introduction to Black Theology	3
Theo 250	Comparative Religions	3
Theo 300	Contemporary Theological Issues	3
Theo 302	Interdisciplinary Seminar in Peace and Justice	3
Theo 307	History of Christianity: Early and Medieval	3
Theo 308	History of Christianity: Reformation and Modern	3
Theo 309	Prayer, Spiritual Life and Liturgy	
Theo 315	The Church: It's Meaning and Mission	3
Theo 317	The Problems of Faith, Theological Anthropology	3
Theo 350	The Protestant Perspective	3
Theo 354	The Jewish Perspective	3
Theo 365	Theology of Marriage	3
Theo 404	The Catholic Perspective	3

**POLICIES ON CREDIT BY TRANSFER AND OTHER MEANS****Transfer Policies**

If you already have completed some post-secondary studies elsewhere, your credits will transfer to St. Ambrose University according to the following policies.

As many as 60 semester credits earned at a junior or community college may be accepted in transfer if the credits were attached to college-level courses taken at a regionally accredited institution and are generally recognized as transferable by members of the American Association of Collegiate Registrars and Admissions Officers. (Credits for which a grade of "1.00 - 1.99" on a 4.00 system was earned may be transferred provided a person has, at the time of transfer, a cumulative grade-point average of at least 2.00 on the 4.00 system at the institution at which any "1.00 - 1.99" grades were earned.)

If you have graduated from a two-year college with a 2.00 grade average, your Associate in Arts Degree or Associate in Science Degree will be accepted at St. Ambrose University as fulfilling 60 semester credits of baccalaureate requirements, and you will be given Junior status.

Acceptance of any credits earned at a junior or community college after earning a total of 60 semester credits at senior colleges and universities, or at a combination of senior colleges and universities plus junior and/or community colleges, is subject to the approval of the St. Ambrose University Board of Studies. The guiding principle in such cases is that the last 60 semester credits of college work are to be earned at four-year colleges or universities. (This does not apply to the Associate of Applied Science Degree unless you have applied for the Bachelor of Applied Management Technology Degree.)

A maximum of 90 semester credits from senior colleges, universities, junior colleges, and community colleges combined may be accepted in transfer and allowed to be applied to a bachelor's degree from St. Ambrose University.

Credits from some non-accredited colleges are transferable in whole or in part, but they are not validated or posted to the permanent record until after the completion of 15 semester credits at St. Ambrose.

Registered Nurses who have successfully completed a three-year Hospital Diploma Program ordinarily are awarded 90 semester equivalency credits which are applicable to a Bachelor of Arts

in Special Studies degree without a major. Those who have completed a two-year Hospital Diploma Program ordinarily are awarded 60 semester equivalency credits applicable to the degree.

Credits attached to courses successfully completed through the United States Armed Forces Institute (USAFI) are transferable and applicable to a bachelor's degree at St. Ambrose University.

### **Accelerating Progress Toward A Degree**

Post-Baccalaureate students seeking a second degree, whether they graduated from St. Ambrose or another institution, will have all of their transcripts evaluated (including those from junior colleges) regardless of the order of attendance. A possible total of 90 semester credits can be transferred in using a "pool" of all credits earned.

You may be able to reduce the amount of time ordinarily required to earn a bachelor's degree in one or more of the following ways:

1. Achieving sufficiently high scores on examinations in the College-Level Examination Program (CLEP) of the College Entrance Examination Board. (For further information, see "College-Level Examination Program" in this section.)
2. Obtaining equivalency credits through the Advanced Placement Examinations (AP) of the College Entrance Examination Board.
3. Performing satisfactorily on some Subject Standardized Tests of the United States Armed Forces Institute (USAFI) and/or the Defense Activity for Nontraditional Education Support (DANTES).
4. Receiving recognition for studies completed with certain non-collegiate organizations and companies.
5. Establishing the acquisition of certain military occupational specialties (MOS's), or even having spent some time in military service.
6. Providing the attainment of college-level learning from life and work experience. (For further information, see "Assessment of Prior Experiential Learning" in this section.) St. Ambrose University permits a maximum of 60 equivalency credits for non-classroom learning to be applied to a degree, or the equivalent of 90 semester credits for a combination of classroom and non-classroom learning done elsewhere.

### **College-Level Examination Program (CLEP)**

You will find that St. Ambrose University recognizes the five general examinations and most of the subject examinations of the College-Level Examination Program of the College Entrance Examination Board.

CLEP credits may be used to fulfill general education and elective requirements. They also may be used to fulfill major requirements with Departmental approval. Credits are not given for introductory courses when there are previously-earned credits for a more advanced course in the same area.

CLEP examinations are administered at St. Ambrose University on a regularly scheduled basis. This schedule is available in the Career Development Center and the Continuing Education Office. Arrangements for taking the examinations must be made one month in advance of the date of administration. Counseling for CLEP credits is available through the Career Development Center and the Office for Continuing Education. For further information about CLEP examinations, contact the Career Development Center.

### **Assessment of Prior Experiential Learning**

St. Ambrose University has established a system for assessing and crediting prior experiential learning if you are an adult student who brings practical knowledge and experience when you come to the University.

If you can demonstrate to the satisfaction of an expert in a given field that you have gained college-level learning outside the college classroom, you ordinarily are able to obtain equivalency credits applicable to a degree from St. Ambrose University. These credits may or may not be transferable to other colleges. The most common method of demonstrating prior experiential learning is by means of a portfolio. Other methods may be accepted on an individual basis, however, depending on the kind of learning to be demonstrated.

For further information about policies and procedures on assessment of prior experiential learning, contact the Center for Adult Learners.

## **SPECIAL PROGRAMS**

### **Health Services Programs**

St. Ambrose University has a four-year pre-medical program, and programs in pre-osteopathic medicine, pre-dentistry, pre-medical technology, or pre-veterinary medicine. For information contact the Chair of the Biology Department or the Dean of Admissions.

St. Ambrose University also has several variations of programs to prepare for entry into a school of chiropractic study. For information, contact the Chair of the Biology Department or the Office for Continuing Education.

### **International Studies Program**

The International Studies Program lets you live and learn abroad for up to a year and earn up to 44 credits at St. Ambrose University. There are Foreign Language Programs in France, Germany-Austria, and Spain, and English Language Programs in England, Wales and Mexico. The International Program is open to all St. Ambrose students in all fields of study. Basic costs vary with the different programs. For more information, contact the Director of International Studies.

### **Pre-Law Program and Certificate**

There are a number of courses about law at St. Ambrose University to help you decide whether you should seek a professional specialization as a lawyer. A guided program of pre-legal studies also is available to prepare you for law school. The program is organized around a general major in Political Science. You receive help in planning your course of study and in law school placement. See the Political Science area in this catalog for information on the pre-law Certificate. For more information, contact the Chair of the Political Science Department.

## **OTHER PROGRAMS**

### **CONCENTRATIONS**

#### **Art**

The Arts  
Graphics

#### **Business Administration**

Government Procurement

#### **Mass Communications**

Advertising/Public Relations  
Journalism Radio/Television

#### **Physical Education**

Coaching Endorsement

#### **Sociology**

General Human Services and Social Work  
Human Services and Social Work With the Elderly Human Services  
Social Work With Young People  
Substance Abuse Counseling

#### **Theology**

Youth Ministries

## **SPECIAL PROGRAMS**

Accounting Employment/Work Study  
Cooperative Program/Internships  
Foreign Study Programs in Britain, France, Germany-Austria, Mexico and Spain

Peace and Justice Program  
Women's Studies Program

### **CERTIFICATES**

#### **Business Administration**

Government Procurement

#### **Computer Science**

Programmers Certificate

#### **Interdisciplinary**

Catholic Studies

Peace and Justice

Women's Studies

#### **Political Science**

Pre-Law

### **CLASSIFICATION OF UNDERGRADUATE STUDENTS**

0 to 29 semester credits - Freshman

30 to 59 semester credits - Sophomore

60 to 89 semester credits - Junior

90 semester credits - Senior

### **STATEMENT OF MAJOR(S)**

At the time of your admission to St. Ambrose University, you are encouraged to indicate a specific area of academic interest.

Your concentration in an academic subject is your major.

Each major has a structured program of courses which provides you with an in-depth understanding and mastery of the area. These programs are described in the catalog under their programs of study and course descriptions. You may major in more than one department, and each major is pursued under supervision.

By the end of your Sophomore year, you are to file a formal statement of your major or majors in the Registrar's office. If you wish to change your stated major or to add another major, you are to file a new statement reflecting such a change. Forms for the statement are available in the Registrar's Office. Your statement is to include the approval and the signature of the Chair of each Department in which you are majoring.

### **APPLICATION FOR GRADUATION**

As a candidate for a degree, you are to file in the Registrar's Office an application for graduation one year before the date you plan to complete your requirements for graduation. Late application will be accepted up to three months before graduation day. This insures your registration for the Senior Assessment Exam and that the Career Development Center and the Business Office are notified that you are graduating. In addition, a graduation audit of your records is completed by the Registrar's Office to make sure you are meeting all graduation requirements.

You will be billed for your graduation fee by the Business Office near the middle of your last semester. The fee covers such costs as the Senior Assessment, graduation audit, graduation invitations, cap and gown, and diploma.

Students who will complete no more than six semester credits during the interim and summer sessions may apply to go through the May commencement ceremony. Contact the Registrar by January 31st of the semester you wish to graduate. Enroll in the summer courses and pay the graduation fee by the last week of April.

### **GRADUATION HONORS**

At graduation, honors are conferred upon students who have maintained the following grade-point averages:

Cum laude--3.50 Magna cum laude--3.75 Summa cum laude--3.90

The grade point average used to compute graduation honors is based upon all courses taken (including transfer courses) prior to the semester in which graduation takes place.

Students who successfully complete the Honors Program course of study will graduate.

## **AWARDS**

### **Delta Sigma Pi**

Each year the International Fraternity of Delta Sigma Pi awards one Delta Sigma Pi Scholarship Key to the graduating student with the highest academic average for four years of study in Business Administration. The award will be presented at the Honors Convocation during commencement week.

## **COURSE NUMBERS**

Course numbers have the following meaning:

1. Courses numbered from 100 to 199 normally are Freshman courses.
2. Courses numbered from 200 to 299 normally are Sophomore courses.
3. Courses numbered from 300 to 499 normally are Junior and Senior courses.
4. Graduate courses are numbered 500 through 800.

**UNDERGRADUATE COURSE LOAD** The normal undergraduate full-time class load is 15 to 17 semester credits.

A student with a class load of 12 semester credits is considered a full-time student, and one with less than 12 semester credits is considered a part-time student. All Freshman students are limited to a maximum of 18 semester credits. An exception may be made for engineering and science students. Students on scholastic warning, probation or subject to review may not register for more than 12 semester credits without the written approval of the Board of Studies. An exception to this is when the thirteenth credit hour would result from registering for the New Student Seminar.

A semester credit is defined as one 50-minute lecture or recitation period per week for one semester. Laboratory periods are two to three periods in length and are equivalent to one lecture period.

If you want to register for more than 18 semester credits, you will need permission from the Board of Studies before registering for the desired extra course. This permission can be granted if you have achieved for the last semester of recorded college work a grade-point average of 3.00 and have an exceptional and satisfactory reason.

Concurrent registration for transfer credits at another institution by full-time students is allowed only if you have prior approval of the appropriate college dean.

For the Summer Session the following criteria are used:

During the May Interim (3 weeks) a class load of three credits is considered full-time;

During the Regular Day or Evening Session (6 weeks) a class load of six credits is considered full-time and three credits is half-time.

## **GRADUATE CLASS LOAD**

A graduate student with a class load of 9 semester credits is considered a full-time student; one with 6 semester credits is considered a three-quarter time student, and one with 3 credits is considered a part-time student.

For the Summer Session a class load of three credits is considered full-time.

### CLASS ATTENDANCE

You are encouraged to attend class regularly to maintain your scholarship record. Each faculty member, however, establishes an individual class attendance and absentee policy. This policy is explained to you at the beginning of each semester by each faculty member, who also places the policy on file in writing in the Offices of the Registrar and the Provost.

### UNDERGRADUATE GRADING SYSTEM

The grading system uses symbols with the following meanings:

- A is for exceptional achievement
  - B+ is for achievement qualitatively greater than that required for the grade of "B"
  - B is for achievement superior to the basic level
  - C+ is for achievement discernibly above basic achievement
  - C is for basic achievement in which both qualitative and quantitative requirements are met adequately and satisfactorily
  - D is for work below the basic level of achievement but of sufficient quality to warrant credit
  - P is for passing work completed in a course where the student is registered Pass/No Pass
  - NP is of not passing work completed in a course where the student is registered Pass/No Pass
  - F is for complete failure to meet course requirements
  - W is for withdrawal from a course without an assigned grade
  - WF is for withdrawal from a course while doing failing work
  - WP is for withdrawal from a course while doing passing work
  - I is for incomplete work--a student needs to have completed a majority of the course with a passing grade and to have worked out a schedule of completion with the Teacher
  - IP is for in progress work--for students in courses that are not expected to be completed within the normal semester (i. e. Occupational Therapy internships...) See explanation below.
  - X is for absence from the final examination--a schedule of completion is to be worked out with the Teacher
  - AU is for a course taken on Audit basis
- If you receive an "I" or "X", the course must be completed by the prearranged date made with the Teacher of the course or by the end of the first 10 weeks of the next semester. A grade of "F" will be assigned if these deadlines are not met.

All "I" or "X" grades assigned before July 1, 1986 will be entered as "F". Students wishing further consideration must apply to the Board of Studies.

An "IP" grade is to be used with courses that are not expected to be completed within a regular academic semester, such as Occupational Therapy internships. (Courses seeking to use this grade would have to be approved by the Educational Policy Committee.) Courses approved to use this grade have a notation within their course description. The requirements for use of this grade are as follows:

1. Completion of coursework is limited to one academic year from date of enrollment.
2. This grade will carry "Resident Credit" that can be used to meet financial aid and loan deferment requirements for one academic year from date of enrollment.
3. Satisfactory progress has to be confirmed by the Department Chairman at the beginning of each semester within the academic year.
4. If the work is not completed within one academic year, the student will have to re-enroll in the course and accept all financial consequences of this action.

### QUALITY-POINTS



Your academic standing is communicated through the use of a numerical system of "quality-points." To be in good standing, you need to have an average of two quality-points for each semester credit attempted or a 2.00 cumulative grade average.

Each letter grade carries a specific quality-point value. The quality-points earned in a specific course are equal to the value of the letter grade multiplied by the number of credits. Each letter grade has the following quality-points value:

A	= 4 quality-points
B+	= 3.5 quality-points
B	= 3 quality-points
C+	= 2.5 quality points
C	= 2 quality-points
D	= 1 quality-points
F	= 0 quality-points

An incomplete (I) grade is not assigned any quality-point value and the course is not included in the calculation of the cumulative grade point average until a grade for the course is assigned. A Pass/Fail course does not figure in the computation of the quality-point average.

Your quality-point average is determined by multiplying the numeric value of the letter grade by the semester credits the course carries. Add up the quality-points earned in each course and divided by the total number of semester credits attempted. The result is your cumulative grade point average.

### **GRADUATE LEVEL GRADING SYSTEM**

The grading system uses symbols with the following meanings:

A	Superior performance
B	Suitably proficient performance
C	Marginal to unsatisfactory performance
F	Unacceptable performance
W	Withdrawal from course (not a grade)
I	Student does not complete all course requirements (grade must be amended in accordance with regular University and Graduate School policies.)
IP	For in progress work--for students in courses that are not expected to be completed within the normal semester (i.e. Special Education Thesis). See explanation below.

An "IP" grade is to be used with courses that are not expected to be completed within a regular academic semester, such as Occupational and Master of Physical Therapy internships, Special Education Thesis, and Master of Criminal Justice project. (Courses seeking to use this grade would have to be approved by the Educational Policy Committee.) Courses approved to use this grade have a notation within their course description. The requirements for use of this grade are as follows:

1. Completion of coursework is limited to one academic year from date of enrollment.
2. This grade will carry "Resident Credit" that can be used to meet financial aid and loan deferment requirements for one academic year from date of enrollment.
3. Satisfactory progress has to be confirmed by the Department Chairman at the beginning of each semester within the "academic year."
4. If the work is not completed within one academic year, the student will have to re-enroll in the course and accept all financial consequences of this action.

### **Grade Points**

A	4 quality points per credit
B	3 quality points per credit
C	2 quality points per credit

F 0 quality points per credit

### DEAN'S LIST

The Undergraduate Dean's List is compiled at the end of each Fall and Spring semester. All full-time students who have achieved a 3.50 or more semester grade-point average are eligible for inclusion on the List.

Part-time students may apply upon completion of 12 semester credits with a grade-point average of 3.50 or more. After each subsequent block of 12 semester credits with a 3.50 grade point average, part-time students may apply again for inclusion. Dean's List application by part-time students may be completed in the Registrar's Office or the Center for Adult Learners.

### PASS/NO PASS OPTION

A Pass/No Pass option is available if you wish to explore an academic interest outside of your major program without jeopardizing your grade-point average. Courses taken Pass/No Pass, therefore, cannot be used to complete general degree requirements or to complete a major, minor, concentration or related mandatory courses. A course taken Pass/No Pass does count toward the required 120 semester credits needed for graduation. *The following should be noted:*

1. You are to be enrolled for three or more semester credits at St. Ambrose University.
2. Only eight Pass/No Pass courses (24 semester credits) will count toward the 120 semester credits required for graduation.
3. A Pass/No Pass course may not be used to fulfill general degree requirements, major, minor or concentration mandatory requirements. (Exceptions: upper division courses only offered on a Pass/No Pass basis and required for a major, minor or concentration.)
4. A Pass/No Pass course will not be figured in the computation of grade point average.
5. Instructors have no notification of who is opting for the Pass/No Pass privilege.
6. You may start a course declaring a Pass/No Pass or a Grade option, and then change to a letter grade or Pass/No Pass within three weeks from the beginning of the semester. (The time limit for a student enrolled in a Weekend College course to choose the Pass/No Pass option is prior to the start of the second weekend of the course.)

### AUDITING

Undergraduate students may register for a course on an audit basis instead of for credit. Audit courses are to be considered part of the student's total credit load in computing the student's tuition. Thus, a student who registers for twelve semester hours for credit and three semester hours on an audit basis is considered for tuition purposes to have registered for an equivalent of fifteen semester hours.

Students may change their registration from credit to an audit basis during the first four weeks of the semester. However, an initial registration for audit may not be changed to a for credit registration once classes have begun.

### RETAKE A COURSE

Courses which are retaken to demonstrate additional proficiency in a content area will not be counted toward the 120 semester credits required for graduation if prior credit has been awarded for the same course. The grades for both courses will be used in computing the cumulative grade-point average unless application is made for the Second Grade Option (See Below).

### SECOND GRADE-OPTION

A student may repeat a course taken at St. Ambrose University unless obvious regression is involved, and have only the grade and credit of the second registration used in calculating total hours earned as well as cumulative and total cumulative grade-point averages. Under the provisions of this option, the Office of the Registrar will mark the permanent record to show that a

particular course has been repeated. Both grades will remain on the permanent record, but only the second one will be used in calculating the grade-point averages and hours earned.

Students who wish to use this option should:

1. Register in the usual manner for the course they wish to repeat.
2. Check their eligibility in the Registrar's Office and complete the proper form. Unless the proper form is completed, both grades will continue to be counted in the grade-point averages.

Restrictions:

1. The second-grade option may be used only once per course.
2. If the course was taken for a grade the first time, it must be taken for a grade the second time.
3. If the course was taken pass-fail the first time, it may be taken pass-fail or for a grade the second time.
4. The second-grade option may not be used if the first grade was assigned as a result of disciplinary action.
5. The second-grade option may be used in no more than 4 courses or no more than 12 semester credits.
6. The second-grade option may be used only for courses taken and repeated at St. Ambrose University.

**NOTE:** This policy began August 26, 1987 and is not retroactive prior to that date

### **CHANGE OF REGISTRATION**

If you wish to change your registration, you must record it officially on the appropriate form in the Registrar's Office. Otherwise you will receive an "F" in the unofficially-dropped course and there will be no credit for the unofficially-added course. It is your responsibility to fill out the change of registration form, obtain signatures of the instructors involved and of your academic advisor, and return the form to the Registrar's Office. (See "Expenses" in the section on Finance in this Catalog.)

During a 16-week academic semester, if a course is dropped between the first week and the end of the fourth week of class, no grade is officially recorded.

If a course is dropped between the end of the fourth week and the end of the 10th week, the grade of "W" (Withdrawal) is officially recorded.

If a course is dropped after the 10th week, the change is officially recorded as "WF" (Withdrew Failing) or "WP" (Withdrew Passing) as determined by the Instructor.

During the shorter Summer academic sessions, which are less than 16 weeks, the time periods are pro-rated for withdrawal.

### **WITHDRAWAL FROM THE UNIVERSITY**

Official withdrawal from the University during the semester is arranged with the appropriate college dean or the Registrar before the student leaves the campus. Official withdrawal insures that all records properly reflect such action. Students who leave unofficially will receive "F" grades in all classes listed on the official registration.

### **ACADEMIC WARNING, PROBATION AND DISMISSAL**

All undergraduate students are expected to maintain a 2.00 or "C" semester or cumulative average. At the completion of each semester, the Board of Studies reviews the grades for each student who has not achieved this average. By determination of the Board, students in academic difficulty will be placed on scholastic warning, probation or subject to review. Those students whose cumulative average is below a 2.00 or C will be placed on scholastic probation or will be dismissed. Each case is reviewed on an individual basis.

A student who has been academically dismissed may be considered for readmission after one full semester has passed. A Summer session does not constitute a full semester.

Students are urged to contact the Registrar after they have received notice of academic difficulty from the Board of Studies in order to explain their situation.

Students placed on academic warning or probation may not register for more than 12 semester credits without the written approval of the Board of Studies.

### **POLICY ON ACADEMIC DISHONESTY**

"Plagiarism" involves submitting work prepared outside of class that is not entirely the student's own, such as papers, reports, and oral presentations.

"Simple plagiarism" refers to the occasional use of words or ideas from outside sources without documenting those sources. Possible penalties: the Instructor may require the work to be resubmitted with documentation and/ or require the student to work on documentation at the Academic Support Center.

"Aggravated plagiarism" refers to purchasing a paper, having another person write a paper, or extensive copying of words or ideas from outside sources without documentation. Possible penalties range from having to

resubmit the assignment to receiving a grade of "F" for the course. "Cheating" refers to dishonesty in classroom examinations.

"Simple cheating" refers to occasional copying from another's paper during an examination. Possible penalty: the student may be required to retake the examination.

"Aggravated cheating" refers to the use of "crib" notes or extensive copying from another's paper. Possible penalties: the student may receive an "F" on the examination or receive a "WF" or "F" for the entire course.

"Organized cheating" refers to the use of a stolen examination and to any attempt to change a grade by dishonest means, such as changing scores in an Instructor's grade book. Possible penalties: the student may be suspended from the University for one semester, and serious cases may result in expulsion from the University.

Little distinction is made between the student who is actually guilty of academic dishonesty and anyone who aids the student by such action as providing a copy of a stolen examination, or by writing a paper for another student.

An instructor and the University can change a student's grade at any time, even after a course has been completed if the student has committed an act of academic dishonesty.

The following process will be used to investigate acts of cheating or plagiarism and to implement the suggested penalties:

An investigation may be initiated by a professor or a student or parties who have reason to believe that an offense has taken place. Students or others need only notify the professor, the department chairperson, the appropriate college dean, or Dean of Students, either verbally or in writing, that they think a violation has taken place. The names of those supplying information will be held in confidence by the University.

The professor may pursue the matter either informally or formally. The professor may confront the student with the charge informally and suggest a sanction that the professor feels is appropriate. The student may either accept the sanction or may request a formal hearing before the St. Ambrose Judicial Board.\*

The professor or the student may pursue the investigation formally through the office of the Dean of Students and the Judicial Board. This method is suggested for those charged with organized cheating or aggravated plagiarism, for example, those who may have supplied a paper or sections of a paper to another student and who may or may not be enrolled in the class in question.

The Dean of Students will give written notice to the individual(s) involved within 24 hours of the complaint, and the student will be given 48 hours to prepare a defense. The Judicial Board will determine guilt or innocence in each case. In those cases where the student is guilty, the Judicial Board will apply a penalty taken from these guidelines, taking into consideration the recommendation of the professor. The ruling of the Judicial Board may be appealed to the Provost, whose ruling will be final and binding.

\*The Board is made up of three professors (the three elected members of the Faculty Grievance Committee, with ex-officio members serving as alternates), and three students selected by the Student Government Association.

## ST. AMBROSE UNIVERSITY ORGANIZATION

### College of Arts and Sciences Departments

- Art
- Biology
- Chemistry
- Economics
- English
- History and Geography
- Classical and Modern Languages
- Mathematics, Computer Science and Management Science
- Music
- Philosophy
- Physics, Engineering and Natural Sciences
- Political Science
- Psychology
- Sociology
- Speech and Theatre
- Theology

### College of Business Departments

- Accounting
- Business Administration
- Industrial Engineering

### College of Human Services Departments

- Criminal Justice
- Education
- Health, Physical Education and Sports Science Mass Communications
- Occupational Therapy
- Physical Therapy

# UNDERGRAD CURRICULA AND COURSE DESCRIPTIONS

## ACCOUNTING

Requirements for a Major: Mathematics 151 or equivalent as determined by the Accounting Department; Computer Science 120 (or test out) and Computer Science (or MIS) 220 or Management Information Systems 295; Economics 201, 202, 307; Business Administration 205, 301,302, 303 and 33 semester credits of Accounting including Accounting 201,202, 301,302, 304, 305, 306, 307, 309,401 and 402.

Requirements for a Minor: 15 semester credits in Accounting.

### ACCOUNTING EMPLOYMENT/WORK STUDY PROGRAM

A five year employment work study program leads to a Bachelor of Science Degree in Accounting. The program involves completion of 150 hours, 30 of which would be earned as on-the-job training, and maintenance of an average grade of 2.50 in all subjects throughout the curriculum.

### COURSE DESCRIPTIONS

#### ACCOUNTING

##### **ACCT 201. Financial Accounting**

**3 Credits**

This course provides an understanding of the basics of financial accounting and reporting. It includes transaction analysis, recording of transactions in journals and ledgers, accounting of assets, liabilities and owner's equities, and preparation of financial statements in conformity with GAAP.

##### **ACCT 302. Managerial Accounting**

**3 Credits**

This course covers the use of internally generated accounting information for managerial reports and decisions. Subjects include product costing, cost volume-profit relationships, budgeting, and standard costs. Prerequisite: Accounting 201.

##### **ACCT 210. Accounting With Computer Applications**

**3 Credits**

A computer based accounting applications course intended to provide the student with a broad knowledge of computer applications of frequently encountered accounting situations. Prerequisites: Accounting 201 and 202.

##### **ACCT 301. Intermediate Accounting I**

**3 Credits**

This first of two courses analyzes accounting principles and their potential impact on businesses and the profession. Topics include the balance sheet, income statement, current assets and current liabilities. Offered only in the Fall semester. Prerequisites: Accounting 201 and 202.

##### **ACCT 302. Intermediate Accounting II**

**3 Credits**

Analyzes some of the more challenging accounting areas. Topics include contributed capital, revenue recognition, and statement of cash flow. Offered only in the Spring semester. Prerequisites: Accounting 201,202 and 301.

##### **ACCT 304. Auditing**

**3 Credits**

Detailed analysis of auditing principles and techniques. Topics include professional ethics, internal control, auditor's report and various audit procedures. Prerequisites: Accounting 301 and 302.

##### **ACCT 305. Income Tax Procedures I**

**3 Credits**

Analysis of the Internal Revenue code, especially as it relates to individual taxation. Offered only in the Fall semester. Prerequisites: Accounting 201 and 202.

##### **ACCT 306. Income Tax Procedures II**

**3 Credits**

A review of the Federal tax code as it relates to corporations, partnerships and trusts. Offered only in the Spring semester. Prerequisites: Accounting 201,202 and 305.

##### **ACCT 307. Cost Accounting**

**3 Credits**

This course will include job order costing, process costing, allocation of joint, indirect, and service department costs, cost-volume-profit analysis, differential cost analysis, capital investment flows, standard costing, and cost variances. Prerequisites: Accounting 201 and 202.



**ACCT 308. Advanced Cost and Managerial Accounting****3 Credits**

This course will include performance evaluation, transfer pricing and decision making under uncertainty, and internal auditing. The majority of the semester, however, will be devoted to case analysis. To properly analyze the cases will require knowledge of topics covered in Accounting 307. Prerequisite: Accounting 307.

**WI-ACCT 309. Special Advanced Accounting Topics****3 Credits**

Specialized analysis of selected accounting topics including leases, earnings per share, bond transactions, present value theory and pensions. Prerequisites: Accounting 301 and 302.

**ACCT 310. Governmental Accounting****3 Credits**

Underlying concepts of fund accounting and interfund relationships. Prerequisite: Accounting 201 and 202.

**WI-ACCT 401. Advanced Accounting****3 Credits**

Specialized phases of accounting: partnerships, foreign currency transactions, bankruptcy, debt restructuring, corporate liquidations, estates and trusts, and Securities and Exchange Commission reporting requirements. Prerequisites: Accounting 201,202, 301, and 302.

**ACCT 402. Consolidations****3 Credits**

Specialized coverage of the theory of business combinations including consolidation theory, techniques and procedures. Prerequisites: Accounting 201,202, 301, and 302.

**ART**

Requirements for a Major: Art 100, 200 and 32 semester credits above freshman level including Art 201, 206, 207, 208, 250, 251, 303, 304, 351, and 4 semester credits of Art History electives.

The Art major selects a concentration of Fine Arts or Graphic Arts. Concentration courses may not be substituted for any listed in the art major.

Fine Arts: Art 330, 331,430, 431,400 and 6 semester credits of Art electives.

Graphic Arts: Art 220; 231,233, 301,306, 332, 401 and 3 semester credits of Art electives.

Requirements for a Teaching Major K-6 or 7-12: Students majoring in Art and expecting to qualify for a license to teach art at the elementary or secondary level are required to take ART 100, 200, 201,206, 207, 208, 220, 250, 303, 304, 305, 330, and 351. Requirements for application to the Teacher Education Program and education course requirements are found in the Department of Education section of this catalog (Pages 109-111).

Requirements for a Minor: Art 201,206, 207,208, 220, 250, 251 and 2 semester credits of Art electives.

Requirements for Teaching Minor (7-12): 24 semester credits to include Art 100, 200, 201,206, 207, 208,250, 251,303, 304; 4 semester credits in Art electives.

The Schatz Wildlife Art Scholarship Meerbusch, West Germany  
This art scholarship is given to St. Ambrose University art student(s) for study abroad. This is a credit course.

Professor Manfred Schatz will take student(s) for painting and drawing instruction in his Meerbusch studio for a period of 2 to 3 weeks during the summer months. Host German families will house and feed student(s) in their home for this period. Scholarship includes round-trip airfare from Moline, Illinois to Dusseldorf, West Germany. Applicants may apply to the Chairman, Department of Art. Recipients will be selected through the president's scholarship committee.

**COURSE DESCRIPTIONS****ART****#ART 100. Drawing Introduction****2 Credits**

A basic course to help students develop drawing skills. Projects will include: perspective, figures (animal and human), and axonometric projections. Various drawing media will be explored.

**#ART 150. Survey of Art Studio****2 Credits**

Hands-on experiences in many art techniques, overview of Art History, and working vocabulary of the language of art are gained in this introductory level course for non-art majors.

**#ART 200. Calligraphy****2 Credits**

An introductory study of Root Alphabets of Western Calligraphy, utilizing pen, felt pens and brush.

**#ART 201. Studio Fundamentals: Painting****2 Credits**

Basic exercises in still life, landscape, posed figures and creative compositions. Study of semi-transparent watercolor with round and flat brush.

**ART 206. Studio Fundamentals: 2D Design****2 Credits**

Introduction and exploration of the basic principles of 2 Dimensional design. Formal principles of design theory and practice will be investigated. Prerequisite: Art 100

**ART 207. Studio Fundamentals: Drawing****2 Credits**

An exploration of the expressive possibilities of drawing. Principles of observation will be stressed using a variety of tools and styles. Prerequisite Art 100

**ART 208. Studio Fundamentals: 3D Design****2 Credits**

Introduction and exploration of design theory and practice in three dimensions. Basic sculptural ideas, methods and materials will be investigated. Prerequisite Art 100

**ART 220. Introduction to Printmaking****2 Credits**

Studio experience in the major printmaking media and their histories. Techniques will include monoprint, surface printing, intaglio, lithography, silkscreen, etc.

**ART 231. Survey of Advertising Principles****2-3 Credits**

Presents advertising art and design in a cultural history context. Some emphasis on advertising design principles and printing techniques with demonstration of layout problems.

**#ART 233. Photography I****2 Credits**

Basic course in Black & White photography. Student will use their own 34 mm manually operated camera as a creative art tool. Film exposure and development, printmaking, and pictorial arrangement will be explored.

**ART 234. Photography II****2 Credits**

Advanced course for students with experience in basic photography. Projects in photo journalism, commercial studio practice and art photography will be completed. Prerequisite: ART 233 or permission of instructor.

**#ART 250. Art Through The Ages I****2 Credits**

An introductory chronological survey of the history of art from prehistoric times through the Middle Ages.

**#ART 251. Art Through the Ages II****2 Credits**

An introductory chronological survey of the history of art from the Renaissance to the Modern World.

**ART 301. Pictorial Design****3 Credits**

The development and application of design principles to finished commercial projects. Both traditional and computer applications explored. Prerequisites: Art 200, 201, 206, and 207.

**ART 303. Figure Composition and Anatomy****3 Credits**

A studio course concerned with the analysis of the skeletal, muscular, and surface anatomy of the human form. Skeletons, plaster casts, and live models will be used. Prerequisites: Art 100, 206, and 207.

**ART 304. Figure Drawing****2 Credits**

Intensive study of the human figure and its expressive potential. Experimentation with a variety of medium and techniques. Prerequisites: Art 100, 206, 207, and 303.

**#ART 305. Ceramics****2 Credits**

Basic introduction to working in clay with projects in coil, slab, cast pieces. Wheel-thrown pottery will be briefly introduced.

**ART 306. Illustration****2 Credits**

Study of the technique, history and contexts of illustration. Prerequisites: Art 100, 201, 206, 207.

**ART 319. Independent Study in History of Art**

Credit Arranged With Department approval, individual study open to Junior and Senior art students who wish to do further research in art history and research methodology.

**ART 335, 336. Special Art Projects****1-3 Credits**

Advanced work in various media 'to meet specific needs of Art Majors.

**ART 320. Printmaking II****2 Credits**

In-depth investigation of a major printmaking technique: chosen by the student. Editions of prints created. Prerequisites: Art 100, 206, 207, and 220.

**ART 330, 331. Painting I, II****2 Credits**

This course introduces beginning concepts, techniques, and materials of oil painting. Prerequisites: Art 100, 206, and 207.

**ART 332. Advanced Design and Lettering****2 Credits**

Instruction in advanced lettering with applications for design and graphics. Prerequisites: Art 100, 201, 206, and 207.

**ART 340. Elementary Art Methods****2 Credits**

Concentrates on graphic and plastic arts, including art appreciation, three-dimensional art and crafts for elementary schools.

**ART 342. Secondary Art Methods****2 Credits**

Concentrates on graphic and plastic arts, including art appreciation, two-dimensional arts, three-dimensional arts and crafts for secondary schools.

**#ART 350. American Art****2 Credits**

A chronological survey of the history of American Art from prehistoric Native American roots, through the American Revolution up until the first World War. Painting, Sculpture, Architecture and the Decorative Arts will be investigated.

**#-WI-ART 351 Art of the Modern World****2 Credits**

A study of the art of the 20th century. Painting, sculpture, the "time arts", and architecture will be investigated.

**#ART 352. Beyond the Western World****2 Credits**

As our outlook becomes more global, approaching the 21st century, it is important to move outside of our "Western" focus, to study the heritage of other continents. This course will cover the Pre-Columbian civilizations of South America, the developments of Tribal art in Africa, and survey the art of the Orient.

**#ART 353. The Classical Heritage****2 Credits**

The Classical world of Greece and Rome has left indelible prints on the heritage of the western world. This class will look into the various revivals of classical learning, the Renaissance, the Baroque, the Neo-Classical -- up to Post-modern, and analyze why the heritage of Greece and Rome seems to be always with us. Prerequisite: Art 250 or 251.

**#ART 354. The Christian Heritage in Art****2 Credits**

The Art of the Christian Church, from Early Christian Times, to the present, has uniquely molded the art history of the Western World. This course will study the architecture, sculpture and painting of art created to serve the purposes of the Christian church from its inception to the present day. Prerequisite: Art 250 or 251.

**ART 400. Senior Honors - Fine Arts****2 Credits**

Advanced Studio work in student's medium of concentration. In addition to art work for the senior exhibit, students will complete a resume, statement of artistic intent and a slide portfolio. Prerequisite: Completion of Junior Review

**ART 401. Senior Honors - Graphics****2 Credits**

Advanced Studio work in student's area of concentration. In addition to art work for the senior exhibit, students will complete a resume, statement of artistic intent and a slide portfolio. Prerequisite: Completion of Junior Review

**ART 430, 431. Painting III, IV****2 Credits**

This course serves as an advanced investigation of oil painting. Exploration of more individualized style is emphasized. Prerequisites: Art 100, 206, 207, 330, and 331.

**ART 499. Internship in Art****1-2 Credits**

Junior or Senior level art students work in a local museum or art gallery to gain practical experience while learning curatorial skills. Art students mainly interested in studio production skills may choose to work in a local commercial and/or industrial studio or advertising agency. Prerequisites: Junior or Senior Art Major. Must be arranged with Instructor.



## ASTRONOMY

### #ASTR 201. Astronomy

**3 Credits**

A basically non-mathematical description of the moon, stars and planets and theories of their origin. Two lectures and one laboratory per week. (Same as Natural Science 201)

## BIOLOGY

The Biology Department has a broad, flexible curriculum designed to meet your needs. Courses focusing on human biology introduce scientific principles to non-science majors. If, however, you are a future biologist, you can enhance the core major with one or more of the following optional concentrations: Environmental Biology, Pre-Health Professions, Molecular Biology, and Secondary Education. Biology Students in any program are eligible for election to Beta Beta Beta, the national honorary biology fraternity.

Requirements for a Bachelor of Science Degree with a Major in Biology: 27 semester credits of Biology, including Biology 103, 104, 150, 200, one of the following: Biology 202, 211, 221, 231 or 241; Biology 301, 303, 307; Chemistry 105, 106, 207, 209; Mathematics 151.

### OPTIONAL CONCENTRATIONS:

(Each course is an addition to, not a replacement of, the major requirements.)

1. Requirements for a concentration in Environmental Biology: Biology 108, 241, 310 or 321, 399 or 401 and 402; and Philosophy 207 or Theology 401.
2. Requirements for a concentration in Molecular Biology: Biology 211, 303; Biology 401 and 402 or Chemistry 428 and 429; Philosophy 207 or Theology 401; Mathematics 191; Physics 203, 204; Chemistry 208, 210, 319.
3. Requirements for a concentration in Pre-Health Professions: Biology 202, 204, 399 or 401 and 402; Chemistry 208, 210; Mathematics 191; Physics 203, 204; and Philosophy 207 or Theology 401.
4. Requirements for a concentration in Secondary Education: Biology 108; one of the following: Biology 202, 211, 221, 231, 241; and Biology 310 or 321. (Teacher Education Requirements - pages 109-111)

### COURSE DESCRIPTIONS

#### BIOLOGY

##### #BIOL 101. Principles of Human Biology

4

##### Credits

Introduction to the science of Biology including genetics, evolution, ecology, molecular biology, plant and animal diversity, with special reference to human biology. Lecture and laboratory. For Non-Major.

##### #BIOL 103. General Biology I

4 Credits

Introductory course required of all Biology majors. Basic principles of Biology, including cell theory, genetics, evolution, and ecology. Lecture and laboratory. CO requisite: Mathematics 121.

##### BIOL 104. General Biology II

4 Credits

Continuation of General Biology I. Survey of plant and animal biology. Required of all Biology majors. Lecture and laboratory. Prerequisites: Biology 103; Mathematics 121 or equivalent.

##### #BIOL 106. Human Genetics

3 Credits

Introduction to genetic principles and examination of current concerns, including genetic defects, damage by wastes and radiation, test tube babies, cloning, and genetic engineering. Lecture. For Non-Science Majors.

##### #BIOL 107. Plants and Civilization

3 Credits

The use of plants by humans from botanical, economic and cultural perspectives. For Non-Science Majors.

##### #BIOL 108. Evolution Controversies

3 Credits

Exploration of the development of Darwin's theory of evolution and both historical and contemporary challenges to it. Lecture and Laboratory. For Non-Science Majors.

**#BIOL 109. Environmental Science****4 Credits**

Application-of basic ecological principles to human environment, including current and future energy sources, population growth and control, pollution, and world food supply. Lecture and laboratory. For Non-Science Majors.

**#BIOL 110. Natural History for Poets****3 Credits**

Students learn local flora and fauna as a tool for understanding basic ecological principles. Lecture and Field Study. For Non-Science Majors.

**BIOL 150. Career Orientation in the Sciences****1 Credit**

Survey of careers in the sciences, particularly biological sciences and allied health professions. Weekly discussions with practicing scientists and health professionals. Introduction to career decisions, opportunities, and development. May be taken on a Pass/Fail basis only. Offered in the Spring Semester.

**WI-BIOL 200. Biological Literature and Biometrics****3 Credits**

Introduction to literature searching, critical reading and scientific writing in the biological sciences. The course will include an introduction to experimental design and statistical analysis. Required of all Biology majors. Prerequisites: Sophomore standing, a "C" or better in English 101, Biology 103 and 104.

**BIOL 202. Human Anatomy and Physiology****4 Credits**

Systems based introduction to the human body with study of both normal structure and functioning of all human organ systems. Lecture and laboratory.

**BIOL 204. Advanced Human Anatomy****4 Credits**

Study of human anatomy with emphasis on the head and neck, upper extremities, thorax and abdomen. Includes skeletal, muscular, cardiovascular and nervous systems. Lecture and Laboratory. Prerequisite: Biology 202.

**BIOL 211. Microbiology****4 Credits**

Taxonomy, physiology, and genetics of microorganisms. Isolation, culturing, and observation of bacteria. Role of bacteria in infection and immunity. Prerequisites: Biology 103 and 104; Chemistry 105.

**BIOL 221. Invertebrate Zoology****4 Credits**

Phylogenetic study of invertebrate animals, emphasizing functional morphology and systematics. Dissection of representative types. Lecture and laboratory. Prerequisites: Biology 103 and 104.

**BIOL 231. Vertebrate Zoology****4 Credits**

Survey of both extinct and living vertebrate groups including descriptions of anatomy, physiology, and natural history of each. Dissection of representative types. Lecture and laboratory. Prerequisites: Biology 103, 104.

**BIOL 241. Plant Taxonomy****4 Credits**

Principles of plant classification. Identification of Midwest vascular flora. Prerequisites: Biology 103 and 104.

**BIOL 301. Cell and Molecular Biology****4 Credits**

Introduction to intracellular structure and functioning with emphasis on eukaryotic cells. Lecture and laboratory. Prerequisites: Biology 103, and 104; Chemistry 105, 106, 207 and 209; Mathematics 151 or equivalent.

**BIOL 302. Embryology****4 Credits**

Study of early development of animals, with particular emphasis on amphibian, avian, mammalian and human development. Lecture and laboratory. Prerequisites: Biology 103 and 104.

**BIOL 303. Genetics****3 Credits**

Principles of heredity including both classical and molecular genetics. Lecture. Prerequisites: Biology 103 and 104; Chemistry 105; Mathematics 151 or equivalent.



**BIOL 304. Animal Histology****4 Credits**

Microscopic study of tissues and organs including laboratory techniques involved in preparation of slides. Lecture and laboratory. Prerequisites: Biology 103 and 104.

**BIOL 306. Plant Physiology****4 Credits**

Physiology of flowering plants including photosynthesis, respiration, water and nutrient relations, hormones, light and growth. Prerequisites: Biology 103 and 104; Chemistry 105, 106, 207 and 209.

**WI-BIOL 307. Ecology****4 Credits**

Principles involved in the interaction of naturally occurring populations of plants and animals with their physical and biological environments. Lecture and laboratory. Prerequisites: Biology 103 and 104; Chemistry 105; Mathematics 151 or equivalent.

**BIOL 310. Midwestern Ecosystems****3 Credits**

A field oriented examination of regional ecosystems and how they have changed through geological and historical time. Prerequisites: Biology 103 and 104.

**BIOL 314. Animal Physiology****4 Credits**

Study of mechanisms of animal function. Lecture and laboratory. Prerequisites: Biology 103 and 104; Chemistry 105, 106, 207 and 209; Mathematics 151 or equivalent.

**BIOL 321. Special Topics in Field Biology and Ecology****2 Credits**

Extended field investigations of major North American biomes. Two-week field trip required. Prerequisites: one semester of college level Biology and permission of Instructor.

**BIOL 323. Special Topics****2-3 Credits**

Investigation of selected Biology sub disciplines not treated in the Department's regular offerings.

**BIOL 330. Recombinant DNA Techniques****4 Credits**

This course provides instruction and experience in the manipulation and study of genetic material. In the process, students will be introduced to some of the instruments and techniques used in a modern molecular biology laboratory. Prerequisites: Biology 103, 104, and 211; Chemistry 207 or 209; or permission of the instructor.

**BIOL 399. Internship in Biology****3-5 Credits**

Work experience with professional supervision in any field of biology or its allied health professions, Prerequisites: Junior standing in Biology and consent of the Internship Director.

**BIOL 401, 402. Biological Research****1 Credit**

Investigation of specific research problem. Prerequisites: Consent of Advisor and Instructor.

**BIOL 500. Human Gross Anatomy****5 Credits**

A regional-based study of the human body. Students will apply knowledge of anatomy to clinical practice. Some discussion of embryonic development and how it relates to adult anatomy will also occur. Prerequisites: Biology 202 and 204; acceptance into the Master of Physical Therapy program.

## BUSINESS ADMINISTRATION

The objective of the College of Business is to provide a comprehensive education in business that includes: (1) a broad foundation in liberal arts and sciences, (2) a general knowledge in all functional areas of business and economics, and (3) prepare the student for positions of responsibility and leadership. In addition, the student can achieve a certain degree of specialization by selecting one of the five different majors offered by the college. The majors are:

Economics

Finance

General Business - Non-Teaching Management and Organizations Marketing

Foundation and Core Requirements to earn a Bachelor of Arts for all of the above majors:

Foundation Courses: Accounting 201,202; Business 205; Computer Science 120; Economics 201,202; English 216 or 217 or 316; Mathematics 151; Philosophy 305; Psychology 105; Sociology 101; Speech 101 or 329

Core Business and Economics Courses Business 301,302, 303, 305, 309, 310, 321, 350; Economics 312, 313

Major Requirements (Student must complete one of the following):

General Business Non-Teaching Major Business 320, 328, 332, 340; Economics 321, 331

Economics Major: 15 hours in Economics above the sophomore level. Math 191 and 192 recommended to pursue graduate work in economics.

Finance Major: Business 304, 306, 340; any three of the following: Business 344, 317, Economics 307, 331

Management and Organizations Major Business 320, 333,349; Theology 250; any three of the following: Business 316, 323, 325, 332, 360, Economics 321

Marketing Major: Business 311, 328, 348; approved Computer Science elective ( not MIS 295); any three of the following: Business 322, 324, 330, 347

Bachelor Of Arts With A Major In General Business Education Requirements for a teaching major in General Business:

All grades in the following courses need to be "C" or better (unless otherwise specified). For entrance to the education program the student needs a 2.70 cumulative and major grade point average, a 3.00 grade point average in education coursework, and 70. hours of fieldwork. Check pages (109-111)for additional application requirements to the Education Program and student teaching.

Accounting 201, 202; Business 205, 301, 302, 303, 309, 310; Economics 201, 202; Management Information Systems 200 or 220, 295; Education 205 ("B" or better), 301,304, 305, 308, 309, 336, 419; Psychology 310; Sociology 300; US History or American Government

Bachelor of Arts With A Teaching Major In Economics Requirements for a Teaching Major in Economics (7-12): 30 semester credits including Economics 201,202, 205, 305, 312, 313, 350 and 9 semester credits in Economic electives. Education courses required for a teaching major are found in the Department of Education section of this catalog (Pages 109-111).

### Minors

Requirements for a teaching minor in General Business (7-12): Accounting 201,202; Business 205, 301,302, 347; Management Information systems 200 or Computer Science 295; Computer Science

220 or 210. Education course required for teaching are found in the Department of Education section of this catalog. (pages 109-111).

Requirements for a teaching minor in Business Marketing and Management (7-12): Business 309, 310, 316, 328; 12 credits in Economics-electives. Education courses required for teaching are found in the Department of Education section of this catalog (pages 109-111).

Requirements for a minor in General Business: Accounting 201,202; Business 205, 303, 309, 310; Economics 201,202; 3 credits in a 300 level business or economics elective; Computer Science 120 or Management Information Systems 295; Mathematics 151

Requirements for a minor in Economics: Accounting 201, 202; Business Administration 205; Economics 201,202, 312, 313; 6 additional credits in 300 level Economics; Management Information Systems 295 or Computer Science 120; Mathematics 151

### **THE BACHELOR OF APPLIED MANAGEMENT TECHNOLOGY DEGREE PROGRAM**

The Bachelor of Applied Management Technology Degree Program is designed to build on a two-year Associate of Applied Science (A.A.S.) degree. As an A.A.S. degree holder, the student will have already completed a specialized technical, vocational or professional study program and may now add general education and applied management studies to earn a baccalaureate degree.

This study program will provide the graduate with basic skills which may be used in the management of materials, money and human resources within the various activities, functions and organizations which exist in business, industrial, manufacturing and service areas. He/she will be a management technician.

#### **Admission To The Bachelor Of Applied Management Program:**

You are eligible for admission to the Bachelor of Applied Management Technology degree program if you hold an A.A.S. degree from an institution accredited by the North Central Association of Colleges and Schools (or the comparable association from another region) with a 2.00 grade point average or above (on a 4.00 scale). In certain instances, the Admissions Committee reserves the right to assign you to a probationary admissions status.

#### **Individual Student Curriculum Plan:**

Each student entering the program may have completed a different sequence of college level courses considered for transfer courses which are part of the A.A.S. degree as well as any other college level courses. Therefore, modifications to the required course list which follows may be necessary for individual students. An individual student curriculum plan must be developed by the student and faculty coordinator using existing courses within the following guidelines:

- o Add developmental course(s) if required by placement test results.
- o Add prerequisite course(s) if necessary.
- o Most A.A.S. degree curricula include courses which are equivalent to courses contained in the required course list. In such cases, these specific courses will not be taken at St. Ambrose University. The credit hours associated with such courses will be used to schedule unmet general education core courses; i.e., the student may elect from literature or language--3 hours, natural sciences--2 hours, social sciences 3 hours, physical education--2 hours (total of 10 hours).
- o Total semester credits will not be less than 132 unless all 46 general education credits have been met. In no case will total credits be less than 120.

#### **General Requirements Bachelor Of Applied Management Technology:**

1. At the time of admission, complete the following placement tests and take any development courses indicated by the test results:
  - o Nelson-Denny Reading Test
  - o Writing Sample Test.
  - o Descriptive Test of Mathematical Skills. (This is not required if a course equivalent to MATH 121 is transferred.)

2. Prior to completion of 12 semester hours at St. Ambrose University, take the Library Skills Test.
3. Two writing intensive courses are required (Business 350 is required). English 101 and 217 should be successfully completed before taking these courses.
4. During the year before graduation, take the Senior Assessment Examination.
5. Complete the designated requirements as described in the curriculum plan.
6. Earn a cumulative grade-point average of at least 2.00 on a 4.00 scale in all semester credits attempted at St. Ambrose University, and in all semester credits represented by all required courses and electives (as listed below).

Course Requirements For The Bachelor Of Applied Management Technology Degree:

Transfer Credit: 60 hours of transfer credit if the A.A.S. Degree contains at least 60 semester credits.

Required courses and electives to be taken at St. Ambrose University: Accounting 201, 202; Business 205, 301, 303, 309, 310, 350; Computer Science 120 or 210 or 220 or approved computer programming language; Economics 201, 202; English 101, 217, 3 semester credits of approved Literature or Language elective; 6 semester credits of approved Art, Music or Theatre; 3 semester credits of an approved History course; Mathematics 151; 4 semester credits of approved Natural Science courses; any approved entry level Philosophy or Theology course (must include at least one Theology course); Philosophy 305 and any approved Philosophy or Theology course; Speech 101 or 203 or 321 or 329; 3 semester credits of an approved Social Science course (not History).

## COURSE DESCRIPTIONS

### BUSINESS ADMINISTRATION

#### **BUS 205. Elementary Economic and Business Statistics**

**3 Credits**

Principles and techniques of basic descriptive statistics with their applications in social and business fields; probability models, random variables, probability distributions, expectations, estimations. Prerequisites: Mathematics 151 or equivalent and Economics 201 or 202.

#### **BUS 301. Business Law I**

**3 Credits**

A fundamental examination of the business aspects of law relating to the legal environment of business, contracts, agency, sales, and commercial paper.

#### **BUS 302. Business Law II**

**3 Credits**

A continuation of Business Law I, dealing with the law of partnership, corporation, debtor and creditor relations, regulation of business, property, trusts, wills, and insurance.

#### **BUS 303. Corporation Finance**

**3 Credits**

Survey of institutions and procedures involved in financial planning, asset management, obtaining short term, intermediate and long term financing, and evaluation of financial performance. Topics include working capital management, capital budgeting, cost of capital analysis, discussion of alternative capital structures, investment banking, debt and equity issues. Prerequisites: Accounting 201, 202, and Economics 201, 202, Business Administration or Economics 205.

#### **BUS 304. Analysis of Financial Statements**

**3 Credits**

Interpreting financial conditions for internal control or external evaluation. Prerequisite: Business Administration 303.

#### **BUS 305. Intermediate Economic and Business Statistics**

**3 Credits**

Estimations, time series, index numbers, regression and correlation analysis, chi-square, and decision theory. Prerequisite: Business Administration or Economics 205 or consent of Department.

**BUS 306. Investments****3 Credits**

Analysis of stocks, bonds, mortgages and other forms of investment; emphasis on safety, liquidity, appreciation and rate of return. Prerequisite: Business Administration 303.

**BUS 309. Principles of Marketing****3 Credits**

Survey of theories and resulting activities employed by producers and sellers of goods and services to determine wants of society and to satisfy those wants. Topics include: external environment as it affects marketing decisions (e.g., economic conditions, population, competition, legislation, etc.); examination of basic elements of a marketing program (e.g., product design, pricing, distribution, and promotion); marketing and social responsibility. Prerequisite: Economics 202.

**BUS 310. Principles of Management****3 Credits**

Research from several Social Science disciplines are applied in the study of effective management of organizational strategy, structure and behavior. Topics include planning, organizing, leadership and control. Interrelationships examined between needs and expectations of the individual, the organization and society.

**BUS 311. Advertising Credits****3**

This course is a study of the theory and practice of advertising, touching upon the economic and social aspects, history, market, product and consumer analysis, motivation, art, copy and layout, media selection and budgeting. Prerequisite: Business Administration 309 or consent of Instructor.

**BUS 316. Small Business Management****3 Credits**

Examination of the concerns, problems and opportunities associated with small businesses, and discussion of entrepreneurial qualities that affect small business management. Study of selected local small businesses as well as conventional text materials. Prerequisite: Business Administration 310 or consent of instructor.

**BUS 317. General Insurance****3 Credits**

Discussion of basic principles, practices and applications of insurance, including life, accident, fire, marine, casualty, property and health. Historical development of insurance industry, concept of risk, contracts and contract analysis, company organization, selection of an insurer, criteria for selecting specific insurance policies. Prerequisites: Accounting 201,202 and Economics 201,202.

**BUS 320. Human Resource Management****3 Credits**

Course prepares students for immediate action on the job by discussing the theoretical and practical applications of human resources management. Concentration will be on the art of communication, motivation, personnel management while examining the science of human resource management through reviewing standards and practices based on the latest court rulings. Prerequisite: Business Administration 310 or consent of instructor.

**BUS 321. International Business****3 Credits**

To make students more knowledgeable about the international dimensions of management. A conscious effort is made to supplement text with current events happening in many different parts of the world as information becomes available. Prerequisites: Accounting 201,202, Economics 201,202 and Business Administration 309, 310.

**BUS 322. International Marketing****3 Credits**

As businesses and economics expand into a global marketplace, traditional western ideas of marketing must be expanded. Survey of international marketing theories and activities. Prerequisite: Business Administration 309

**BUS 323. Total Quality Management****3 Credits**

Develop an understanding of TQM and what makes up quality excellence in service, non-profit and manufacturing organizations. Develop implementation planning, team building and statistical thinking.

**BUS 324. Product Management****3 Credits**

Provide an understanding of product life-cycle management to include research and development, design development and transition to full-scale production. Prerequisite: Business Administration 310.

**BUS 325. Leadership and Corporate Culture****3 Credits**

Evaluation of your own leadership style, current findings on leadership and corporate culture from current research from the Behavioral Scientists and others. Reviews some collective wisdom found in the classic works of western philosophy, history, biography and drama. Prerequisite: Junior status or permission of instructor.

**BUS 328. Marketing Research****3 Credits**

Planning, scientific investigation, conclusions and recommendations used in solving marketing problems. Topics include survey techniques, observation techniques, experimentation, data tabulation, and interpretation of results. Prerequisites: Business Administration 205, 305, 309 or approval of Department.

**BUS 330. Professional Salesmanship and Sales Management****3 Credits**

Discipline of sales, including special emphasis on economic and social importance of selling, recruiting and selecting personnel, training, motivation, evaluation and measurement. Supervisory problems, techniques and solutions.

**BUS 332. Organizational Theory, Communications and Behavior****3 Credits**

This course concentrates on individual processes, inter-personal and group processes, organizational processes and design and organizational changes. Prerequisite: Business Administration 310.

**BUS 333. Operations Management****3 Credits**

Concepts and methods for planning, routing, scheduling, and controlling operations. Uses of linear programming and statistical controls and techniques for determining work methods and job analysis.

**BUS 337. Rural Institutions and Processes****3 Credits**

Analysis of rural leaders, organizations, institutions, problems, development and ways of life. (Same as Sociology 337) Prerequisite: Sociology 101 or consent of instructor.

**BUS 340. Financial Policies and Decision-Making****3 Credits**

Problem solving in finance, relationship of financial management of other areas of corporate management to the direction of the enterprise as a whole, case methods on how shareholder requirements determine policy on acquisition of new funds, funds flow and capital investment within the firm, and effect of social, regulatory, and monetary environment on policy. Special emphasis on importance of long-range planning and the contribution of financial analysis to decision-making. Prerequisites: Accounting 201,202, and Economics 201,202, Business Administration 205, and 303.

**BUS 341. Internship in Business****3 to 6 Credits**

Competitive placement with selected businesses and non-profit agencies. Prerequisite: Senior class standing in the Business Administration major.

**BUS 344. Real Estate****3 Credits**

Urban real estate, effect of market forces, methods of property evaluation, financing, and management.

**BUS 345. Independent Studies.****3 Credits**

Available for credit in Economics or Business Administration.

**BUS 347. Consumer Behavior****3 Credits**

Theoretical concepts of consumer behavior, and application of these concepts to marketing strategies and decision-making. How individuals make decisions to spend their resources on consumption related products. Prerequisite: Business Administration 309.

**BUS 348. Marketing Management****3 Credits**

Analysis of management functions as applied to product development, market analysis and pricing, control of marketing activities and use of distribution channels. Integrative course using case studies. Prerequisite: Senior status in Marketing major.

**BUS 349. Business Policies****3 Credits**

Course provides key sources of essential information for the CEO. A case study approach is used to make conclusions and recommendations to management problems. Finance, accounting, human resource, production and marketing perspectives are used to propose solutions. Prerequisite: Senior standing in Business Administration

**WI-BUS 350. Capstone Seminar****3 Credits**

This course is a capstone, integrating course for all seniors in business and economics. The course begins with an overview of Economic History and History of Economics Ideas and Social Movements. It shows the impact of interest groups on Business and Government. Discussions on issues of consumer protection, environmental concerns, equal rights and other social issues. Prerequisite: Senior status in Business Administration or Economics.

**BUS 360. Introduction to Acquisition and Purchasing Management 3 Credits**

Acquisition of materials and services in business or government. Fundamentals of purchasing, quality, specifications, sources, pricing, contracts, negotiations, inventory management, transportation, institutional and government purchasing and professional ethics.

**BUS 399. Topics in Management****3 Credits**

Selected topics, announced as offered. This course number may cover various themes. Students may repeat course if it is on a new topic not previously studied for credit.

**CATHOLIC STUDIES**

See Interdisciplinary Programs



**CHEMISTRY**

Requirements for a Bachelor of Arts Degree with a Major in Chemistry: 31 semester credits in Chemistry including Chemistry 105, 106, 110, 207, 208, 209, 210, 301,303, 313 and 350; Physics 203, 204; and Mathematics 191,192.

Requirements for a Bachelor of Science Degree with a Major in Chemistry: 42 or 43 semester credits of Chemistry including Chemistry 105, 106, 110, 207, 208, 209,210, 301,303, 313, 314, 321,350, 311 or 319 and 428 or 440; Physics 251, 253; and Mathematics 191, 192, and 290 or 291. Requirements for a Bachelor of Arts Teaching Major in Chemistry: 48 semester credits in science and mathematics including: Chemistry 105, 106, 110, 207, 208, 209, 210, 301, 303, 313 and 3 hours of electives in Chemistry; Physics 251,253 or 203, 204; Mathematics 191,192. Education courses required for a teaching major are found in the Department of Education section of the catalog (Pages 109-111).

Requirements for a Teaching Minor in Chemistry: 25 semester credits of Chemistry, including Chemistry 105, 106, 110, 207, 208, 209, 210, 301,303.

Requirements for a Non-Teaching Minor in Chemistry: 20 semester credits of Chemistry. 12 semester credits of Chemistry 105, 106, 207, 209 and 8 elective credits chosen from Chemistry 110 and other Chemistry courses at the 200 level or above.

**COURSE DESCRIPTIONS****CHEMISTRY****#CHEM 101. Chemistry and Society****4 Credits**

Fundamentals of chemical principles for non-science majors, with emphasis on the world of chemistry surrounding us. Basic chemical laws and theory are used to describe commonplace chemical reactions and properties, including those in organic and biochemistry. The final unit uses this background to discuss current chemical issues. Lecture and Laboratory. Prerequisite: Mathematics 121.

**#CHEM 102. History of Chemistry****3 Credits**

A historical look at the great discoveries of chemistry from the early alchemists to modern chemists. Students will duplicate the great laboratory experiments of such chemists as Priestley, Lavoisier, and Pauling. For Non-Science Majors. Lecture and Laboratory.

**#CHEM 103. Principles of Chemistry****4 Credits**

Survey of concepts and applications for students in majors such as occupational therapy and industrial engineering, which require one semester of general chemistry. Topics selected from inorganic, organic, and biological chemistry. Lecture and Laboratory. Prerequisite: Mathematics 121.

**#CHEM 105. General Chemistry I****4 Credits**

Introductory course required of all Chemistry, Biology, Physics and Engineering majors. Basic principles and terminology including atomic and molecular structure, nature of chemical bonds, states of matter and reaction stoichiometry. Lecture and laboratory. Prerequisite or co-requisite: Mathematics 151.

**CHEM 106. General Chemistry II****4 Credits**

Continuation of General Chemistry I. Topics include: kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, acid-base chemistry and topics in descriptive chemistry of metals, non-metals and organics. Lectures and Laboratory. Prerequisite: Chemistry 105.

**CHEM 110. Laboratory Safety****1 Credit**

Fundamentals of laboratory safety. The topics discussed include chemical, glassware, electrical, compressed gas, and biological hazards. Lecture only. Prerequisites: Biology 103, Chemistry 105 or permission of instructor.

**CHEM 207. Organic Chemistry I****3 Credits**

Introduction to the structure, nomenclature and reactions of important classes of organic compounds including hydrocarbons, halides, alcohols, ethers, carbonyl compounds and amines. Structure-reactivity relationships and basic reaction mechanisms are stressed. Prerequisite: Chemistry 106.

**CHEM 208. Organic Chemistry II****3 Credits**

This course further develops and expands on concepts presented in Chemistry 207. Topics include molecular orbital theory of conjugated systems, electrophilic and nucleophilic aromatic substitution, free radical and carbanion reactions, the chemistry of nitrogen-containing compounds, and further work with stereochemistry. Strategies for organic synthesis are introduced and illustrated throughout the course. Prerequisite: Chemistry 207.

**CHEM 209. Organic Chemistry Laboratory I****1 Credit**

Theory and practice of methods for preparation, purification and characterization of organic compounds. Techniques studied include recrystallization, distillation, extraction, chromatography, and determination of physical properties. Prerequisite or Co-requisite: Chemistry 207

**CHEM 210. Organic Chemistry Laboratory II****1 Credit**

Continuation of Chemistry 209. Emphasizes use of modern instrumental methods for monitoring chemical reactions and elucidation of structures of organic compounds. Practice provided in the collection and interpretation of data using mass, ultraviolet visible, infrared and nuclear magnetic resonance spectrometers. Prerequisites: Chemistry 207 and 209.

**CHEM 301. Quantitative Inorganic Analysis****4 Credits**

Study of the theory of chemical equilibria as it applies to gravimetric and volumetric analysis. Laboratory experience with basic quantitative techniques, including statistical methods of data analysis, is included. Lectures and Laboratory. Prerequisite: Chemistry 106. Offered alternate years.

**CHEM 303. Instrumental Analysis****4 Credits**

Basic theory, operation, and application of techniques of instrumental chemical analysis. Includes spectroscopy, chromatography, and electroanalytical methods. Lectures and Laboratory. Prerequisite: Chemistry 106. Offered alternate years.

**CHEM 311. Qualitative Organic Analysis****3 Credits**

Systematic procedures for the purification and identification of organic compounds. Topics include solubility tests, sodium fusion, classification tests, preparation of derivatives, spectroscopy, and chromatographic techniques. Methods of accessing the chemical literature are stressed. Lecture and Laboratory. Prerequisites: Chemistry 208 and 210. Offered alternate years.

**CHEM 313, 314. Physical Chemistry I and II****4 Credits**

Principles and applications of theoretical chemistry including thermodynamics, quantum mechanics and kinetics. Lecture and Laboratory. Prerequisites: Chemistry 106; Physics 204 or 251 and Mathematics 192. Offered alternate years.

**CHEM 319. General Biochemistry****4 Credits**

Application of chemical principles to the study of living systems. Structure and chemical properties of biomolecules are discussed, followed by analysis of important metabolic processes within the cell. The laboratory provides experience with macro-molecular separation and characterization. Lecture and Laboratory. Prerequisite: Chemistry 207. Offered alternate years.

**CHEM 321. Advanced Inorganic Chemistry****3 Credits**

Advanced topics in inorganic chemistry emphasizing structure, periodicity, bonding, transition metal chemistry and reactions. Prerequisites: Chemistry 106; Junior or Senior standing. Offered alternate years.

**WI-CHEM 350. Introduction to Chemical Literature and Writing****2 Credits**

Introduction to literature searching, critical reading and scientific writing. Required of all majors. Prerequisites: Junior or Senior status and completion of all of the University's English Skills and Speech Skill Requirements.

**CHEM 428, 429. Chemical Research****1 Credit**

Study of a research problem in current chemistry. One hour conference and two three-hour laboratory session per week. Prerequisite: Permission of Instructor.

**CHEM 440. Chemistry Internship**

**1-2 Credits**

Students work part-time in the laboratories of local industrial, clinical or government employers, gaining practical experiences in the application of chemistry to "real world" problems. Open to junior or senior chemistry majors.

## COMPUTER SCIENCE

Requirements for a Bachelor of Arts with a Major in Computer Science: 36 semester credits in Computer Science including Computer Science 240, 270, 295, 310, 320, 360 and 400 with at least 21 semester credits at the 300 level or above; Mathematics 191,192 and 300.

Requirements for a Bachelor of Science with a Major in Computer Science: 39 semester credits in Computer Science including Computer Science 240, 270, 295, 310, 320, 260 and 400 with at least 24 semester credits at the 300 level or above; Mathematics 191,192, 290, and 300.

Requirements for a Programmer's Certificate and a Minor in Computer Science: 21 semester credits in Computer Science with at least six semester credits at the 300 level or above.

### COURSE DESCRIPTIONS

#### COMPUTER SCIENCE

##### **CSCI 120. Introduction to Computer Science**

**3 Credits**

Survey of computer systems, the role of the computer in different disciplines. Applications to include word processing, spreadsheets, date-bases and communications. Introduction to programming using flow-charting and BASIC. Prerequisites: Mathematics 121 or 1.5 units H.S. Algebra or Instructor's Permission.

##### **CSCI 210. Programming with FORTRAN**

**3 Credits**

Concepts and structures of FORTRAN programming language. Flowcharting, arithmetic and logical operations, arrays, character-string manipulation, input and output formats, functions and subroutines. Major emphasis on writing, running, and debugging structured programs. Prerequisites: Computer Science 120 or permission of Instructor.

##### **CSCI 220. Programming with COBOL**

**3 Credits**

The study and use of COBOL. Use of records and files. Table handling. Search and sort features and interactive programs. Emphasis on efficient and structured programming techniques. Prerequisite: Computer Science 120 or permission of Instructor. (Same as Management Information Systems 220)

##### **CSCI 240. Assembler Language Programming**

**3 Credits**

Number systems and conversions including negative numbers. Assembler Language and Machine Language including the use of subroutines stacks and macros. Introduction to computer architecture, assembler language on different systems and Program interrupts. Use of Debugging tools. Prerequisite: Computer Science 210 or 270.

##### **CSCI 270. PASCAL Programming**

**3 Credits**

Study and use of PASCAL programming language. Basic elements of Pascal. Loop control, decision statements, functions and procedures, arrays, records, sets, pointer variables. Prerequisite: Computer Science 210 or 220 or permission of Instructor.

##### **CSCI 280. Advanced COBOL Programming**

**3 Credits**

Continuation of Programming with COBOL. Structured programming techniques, searching, sorting, tape and disk files, sequential files, indexed sequential files, relative files, random files, report writers. Prerequisites: Computer Science 220.

##### **CSCI 295. Programming Language C and UNIX**

**3 Credits**

Study and use of C. Use of pointers, structures, ability to manipulate bits, bytes and addresses. Comparison of the C with both high level and low level languages will be done. We will work with user-defined libraries. An overview of the UNIX operating system and its capabilities. Prerequisite: Two programming languages and it is recommended that one of these languages be PASCAL.

##### **CSCI 310. Data Structures**

**3 Credits**

Study and application of a variety of data structures in computer science. Stacks, Polish notations, queues, recursion, linked list and list processing, binary trees and their applications, sorting, searching, graphs and their applications. Prerequisite: Computer Science 270.

**CSCI 320. Computer Organization****3 Credits**

Evolution of computers. Number systems and computer codes, Boolean functions and logic design. Basic computer organization: CPU, Memory, and input/output. Assemblers and macros, parallel processing, communication networks, some case studies. Prerequisite: Computer Science 240.

**CSCI 330. Numerical Analysis****3 Credits**

Errors and Error propagation. Numerical methods for solving equations in one variable. Solving linear systems. Introduction to nonlinear systems. Taylor Polynomial approximation. Numerical integration and differentiation. Prerequisites: Computer Science 210 or 270 and Mathematics 290. (Same as Mathematics 330)

**CSCI 340. Computer Systems****3 Credits**

Basic models of digital systems. Coding methods. Logic circuits, flip-flops, and switching algebra. Minimization of combinatorial logic networks. Sequential machines. Design of sequential networks. Prerequisite: Computer Science 240.

**CSCI 350. File Processing****3 Credits**

Study of Data structures and file organization to include Sequential, Indexed Sequential and Relative files. Techniques for searching updating deleting and merging files. Prerequisite: Computer Science 270 or 295.

**WI-CSCI 360. Database System Design****3 Credits**

Database design and management. The different data models, underlying physical database implementation, data definition functions, design analysis, key searching, and query evaluation to include lexical analysis. Database system design and analysis using either the VAX or PC. Prerequisite: Computer Science 270 or 995. Computer Science 350 is recommended.

**CSCI 370. Networks and Data Communications****3 Credits**

Computer networks, ISO model, network topology, physical networks, error handling, security, local networks. Prerequisite: Computer Science 320.

**CSCI 380. Discrete Structures****3 Credits**

Basic elements of discrete mathematics, for students of Computer Science. Topics include sets and relations, finite probability, modular arithmetic, Boolean algebra and recursion. Prerequisites: Computer Science 210 or 270 and Mathematics 290 and Mathematics 301.

**CSCI 395. Advanced C/Object Oriented Programming****3 Credits**

The course will cover user-defined libraries and using files for input/output with different structures. Will work with extensions of C++ such as data encapsulation, data abstraction, classes, and function/operator overloading. Prerequisites: Computer Science 295

**CSCI 400. Programming Language Concepts****3 Credits**

Evolution of major programming languages. Comparative study of programming languages including PASCAL and C language. Syntax and semantics, formal grammars, datatypes, control structures, subprograms, abstract datatypes, special purpose programming languages. Prerequisites: Computer Science 295 and 310.

**CSCI 410. Operating Systems****3 Credits**

Evolution of Operating Systems. Process. Parallel processing, mutual exclusion, semaphores, concurrent programming, deadlock. Real storage: organization and management. Virtual storage, organization and management. Job and processor scheduling, distributed computing. Case studies. Prerequisites: Computer Science 295 and 310.

**CSCI 420. Compiler Design****3 Credits**

Compiler Overview: Scanner and Parser. Classification of Grammars. Context-Free Language. Top-Down Parsing, LR Parsing, translation Grammars, finite structures, Input/output, error processing, datatypes, subprograms, diagnostic tools. Prerequisites: Computer Science 295 and 310.

**CSCI 430. Artificial Intelligence****3 Credits**

A study of LISP and/or PROLOG to include list processing, recursion, functions and macros. We will also look at some of the uses of Artificial Intelligence such as probabilistic Reasoning and Plan-generating systems and how they would be implemented. Prerequisites: Computer Science 270 and 295 or permission of Instructor.

**CSCI 480. Topics in Computer Science****3 Credits**

Selected topics in Computer Science. Offered during spring semesters, as demand requires. May be repeated. Prerequisites: Junior or Senior standing and permission of Instructor.

**CSCI 490. Independent Study in Computer Science****1-3 Credits**

Reading, research, or writing or supervising programming projects in Computer Science not available in other courses. Prerequisite: Departmental approval.

**CSCI 499. Internship in Computer Science****1-3 Credits**

The merging of course work with practical training in computer Science. Emphasis will be on how the practical experience is directly related to the course work the student has taken. Prerequisite: Departmental approval. (Pass/No Pass Course)

## COOPERATIVE EDUCATION

### **COOP 404. Cooperative Education**

**1-3 Credits**

Practical work experience or training under professional supervision for all majors. Prerequisites: 2.00 cumulative GPA, pursuing a designated program of study, meet employer requirements, sophomore standing at St. Ambrose University or meet departmental requirements. Pass/No Pass course.

## CRIMINAL JUSTICE

Requirements for a major in Criminal Justice 39-42 semester credits in Criminal Justice including 101,201,221,231,241,316, 321,341,362, 382, 407, 3 semester credits of 401,402, 403, (421 see next paragraph); and Business 310, Political Science 303, Speech 327.

Each Criminal Justice major is required to complete a related field-work experience as part of the program. This requirement could be met through a departmental practicum (Criminal Justice 421--3 semester credit minimum) or an approved three credit cooperative education placement.

Each major is required to complete 12 semester credits of directed electives in any combination from the following areas: Political Science: 304, 322, 325, 370

Psychology: 304, 306, 310, 314, 323, 324, 342, 343 Sociology: 313, 320, 321, 325, 340, 341,366

Dependent on a student's career goals, the following courses are recommended

Federal Investigation: 6 to 12 semester credits in Accounting Corrections: Psychology 323, 324, 342

Security: 6 to 9 semester credits in Computer Science

Graduate Study: Computer Science 120, Social Science 213, Sociology 350

Requirements for a Minor in Criminal Justice 21 semester credits including Criminal Justice 101,201,221, 231,241,316, 407.

## COURSE DESCRIPTIONS

### CRIMINAL JUSTICE

#### #CRJU 101 Introduction to Criminal Justice

**3 Credits**

Historical and philosophical account of the development of American criminal justice with emphasis on Constitutional requirements. Survey of enforcement, court, and corrections subsystems on a national, state, and local level.

#### CRJU 201 Criminal Investigation

**3 Credits**

The art and science of criminal investigation. Topics include the forensic sciences, interrogation techniques, case development and presentation, with focus on informational sources and their utilization in court. Prerequisite: Criminal Justice 101.

#### CRJU 221 Criminal Law

**3 Credits**

Goals and purposes of American criminal law; standard criminal law topics are included: elements of crime, criminal defenses, crimes against persons/ property, accomplices, inchoate crimes and others. Prerequisite: Criminal Justice 101.

#### CRJU 231 Contemporary Corrections

**3 Credits**

Developmental history of American corrections with emphasis on contemporary issues related to the correctional system and process, correctional clientele, treatment of inmates in institutions and community programs, and the future of correctional practice. Prerequisite: Criminal Justice 101.

#### CRJU 241 Crime Prevention Strategies

**3 Credits**

Crime opportunity reduction with emphasis on the development and implementation of crime prevention strategies, the role of crime prevention specialists in policing and private security, the use of security devices and procedures, and crime risk reduction through environmental design. Prerequisite: Criminal Justice 101.

#### #CRJU 316 Crime and Delinquency

**3 Credits**

Crime and delinquency as an individual and social problem. Included are conceptual models of social deviance, theories of criminal and delinquent behavior, and the administration of justice in a



democratic society. An applied research project is required. Prerequisites: Criminal Justice 101 or SOC 101.

**CRJU 321 Police Organization and Management****3 Credits**

Organizational principles and management of line/staff activities, personnel supervision, and operational components American police agencies. Organizational and operational enforcement effectiveness. Prerequisite: Criminal Justice 201.

**CRJU 341 Criminal Evidence and Procedure****3 Credits**

Fundamental rules of evidence in trial procedure, including those affecting presumptions, witnesses, hearsay, confessions and admissions; procedural protections in criminal justice rounded upon constitutional due process and Bill of Rights principles. Prerequisite: Criminal Justice 221.

**CRJU 362 Correctional Management****3 Credits**

Correctional management theory and practice with emphasis on control and change in correctional organizations, from an organization development perspective. Prerequisite: Criminal Justice 231.

**CRJU 382 Security Management****3 Credits**

Management principles applied to private security operations and their relationship to corporate philosophies and profitability. Covers internal investigation, policy development and contemporary problems and issues facing the loss prevention industry from a global perspective. Prerequisite: Criminal Justice 241.

**CRJU 401 Individual Research****3 Credits**

Applied research in a related area of interest to the student. Requires an empirical component in the research design. Arranged in consultation with the instructor. Enrollment subject to instructor approval.

**CRJU 402 Directed Readings****1-3 Credits**

Specialized readings and reviews on an independent basis. May be repeated to a maximum of 3 credits if topics differ. Requires departmental approval.

**CRJU 403 Workshop****1-3 Credits**

Topics and activities are designed to offer practical skill development opportunities useful to criminal justice practitioners. May be repeated to a maximum of 3 credits if topics differ. Requires departmental approval.

**WI-CRJU 407 Seminar in Criminal Justice****3 Credits**

A capstone seminar focusing on analysis and evaluation of current practice, with emphasis on ethical and operational issues confronting the criminal justice practitioner. Prerequisite: 12 Criminal Justice credits including 316, or consent.

**CRJU 421 Practicum****3-6 Credits**

Field observation and research under professional supervision in a criminal justice or human services related agency. Arranged by the department with chair approval. (Pass/No Pass course)

## ECONOMICS

Requirements to earn a Bachelor of Arts with a major in Economics:

Foundation Courses: Accounting 201,202; Business 205; Computer Science 120; Economics 201,202; English 216 or 217 or 316; Mathematics 151; Philosophy 305; Psychology 105; Sociology 101; Speech 101 or 329

Core Business and Economics Courses Business 301,302, 303, 305, 309, 310, 321,350; Economics 312, 313

Economics Major: 15 hours in Economics above the sophomore level. Math 191 and 192 recommended to pursue graduate work in economics.

Requirements for a Teaching Major in Economics(7-12): 30 semester credits including Economics 201,202, 205, 305, 312, 313, 350 and 9 semester credits in Economic electives. Education courses required for a teaching major are found in the Department of Education section of this catalog (Pages 109-111).

## COURSE DESCRIPTIONS

### ECONOMICS

#### **##ECON 201. Principles of Macro-Economics**

**3 Credits**

Introduction to national income accounting, income determination, unemployment, inflation and monetary and fiscal policy problems of business cycles and economic growth.

#### **##ECON 202. Principles of Micro-Economics**

**3 Credits**

This course is a study of the behavior of individual economic units, such as the household and the firm, together with the various market structures of product and resource markets.

##These courses may be used by all majors, except accounting, business administration and economics majors, to fulfill general education requirements.

#### **ECON 205. Elementary Economic and Business Statistics**

**3 Credits**

Principles and techniques of basic descriptive statistics with their applications in social and business fields; probability models, random variables, probability distributions, expectations, estimations. Prerequisites: Mathematics 151 or equivalent and Economics 201 or 202. (Same as Business Administration 205)

#### **ECON 305. Intermediate Economic and Business Statistics**

**3 Credits**

Estimations, time series, index numbers, regression and correlation analysis, decision theory. Prerequisites: Economics or Business Administration 205 or consent of Department. (Same as Business Administration 305)

#### **ECON 307. Money, Banking and Financial Institutions**

**3 Credits**

Money and financial institutions in structure and movements of general economic system, monetary theory and growth, and selected domestic and international problems of monetary economics. Prerequisites: Economics 201, 202.

#### **ECON 312. Intermediate Macro-Economic Theory**

**3 Credits**

Analysis of factors determining the level of output, employment, and the rate of inflation; study of consumption, investment, money, and interest; analysis of business cycles, stabilization policies, and growth models. Prerequisites: Economics 201, 202, and 205.

#### **ECON 313. Intermediate Micro-Economic Theory**

**3 Credits**

This course emphasizes economic efficiency, thus attention is focused on resource pricing, employment, how prices function so as to allocate resources and among competing alternatives, and evaluating and criticizing economic controls of government over prices and production. Prerequisites: Economics 201,202 and 205.

**ECON 314. History of Economic Thought****3 Credits**

Survey of economic thought from Plato and Aristotle to present days. Emphasis on Middle Ages, Mercantilists and Physiocrats, Adam Smith, Malthus, Ricardo, Mills, Marx, Austrian school and Marshall. Prerequisites: Economics 201, 202.

**ECON 315. American Economic History****3 Credits**

Major issues of American economic history. Growth of population, industry, agriculture, commerce, finance, transportation and labor. Prerequisites: Economics 201,202. (Same as History 359)

**ECON 321. Labor Economics****3 Credits**

Fundamentals of labor economics and its impact on industrialized society: wages, standards of living, unemployment and occupational hazards, social security and workmen's compensation, labor-management relations and labor legislation. Prerequisites: Economics 201, 202.

**ECON 324. Agricultural Economics****3 Credits**

Economic concepts as applied to agricultural decision making, consumer behavior, and to the problems of agriculture, agri-business, sustainable agriculture, and rural development, and natural resources. Prerequisites: Economics 201, 202.

**ECON 325. Urban and Regional Economics****3 Credits**

Economic theories of nature and function of cities, with emphasis on theory of location, theory of urban and regional planning in a market economy, examination of selected problems, such as housing, land-use, and transportation, urban history, regional development, and fiscal federalism. Prerequisites: Economics 201, 202, or permission from Department Chair.

**ECON 329. Economic Development and Growth****3 Credits**

Theory of growth and development; agricultural development, costs and benefits of industrialization, domestic and foreign resources for development, industrialization and trade policy, and development planning. Prerequisites: Economics 201, 202.

**ECON 33/. International Economics****3 Credits**

Theory of international trade, government policy and trade restrictions; foreign exchange and balance of payments; trade policy and developing countries; regional trade integration; and the international monetary system. Prerequisites: Economics 201, 202.

**ECON 335. Environmental Economics****3 Credits**

Causes, effects and possible cures of air and water pollution problems, solid waste disposal, resource and land use. The "energy crisis" in light of basic economic principles and tools, such as transformation curves, supply and demand pricing, social costs, and marginal and cost-benefit analysis. Discussions, lectures, local field trips and speakers from industry, government and environmental groups. Prerequisites: Economics 201 and 202 are recommended, but required only for Business Administration and Economics majors.

**ECON 366. Cost and Price Analysis****3 Credits**

To establish equitable prices, contracting officers or purchasing managers must understand both price analysis and cost analysis. This course examines pricing policies, cost estimation, price and cost analysis, analysis of direct and indirect costs and labor rates, and a variety of techniques such as learning curves, risk analysis, life cycle costing, and profit analysis. Prerequisite: Business Administration 360.

## EDUCATION

### TEACHER EDUCATION PROGRAM

The Teacher Education Program is planned to include areas of study necessary to prepare competent and professional classroom practitioners, and is approved by the Iowa Department of Education. Successful completion of the program enables you to receive a Provisional License to teach in the elementary or secondary schools of Iowa. If you plan to teach in a state other than Iowa, you should consult the Chair of the Department of Education concerning certification requirements.

All licenses for teachers are issued by the State of Iowa Board of Educational Examiners upon recommendation of the University in which the applicant has completed an approved program. An applicant who has not completed the Teacher Education Program will not be recommended from this University.

The teacher licensure program is subject to requirements mandated by the Iowa Department of Education. Students should be aware that any change in requirements which occurs after publication of this catalog may require additional course work in order to complete certification.

### OBJECTIVES OF TEACHER EDUCATION PROGRAM

The objectives of the Teacher Education Program support the general objectives of the University which seek the total intellectual, spiritual, cultural, social and physical development of the student. The more specific objectives include:

1. To develop in the student an understanding of past and present educational movements in historical, sociological and philosophical context.
2. To instruct the student in knowledge and understanding of the physical, mental, emotional and behavioral development of children and adolescents.
3. To make students aware of the diversity in background and needs of PK-K-12 students.
4. To make students aware of the advantages gained through incorporating technology in the classroom.
5. To develop a liberally educated student who will become professionally competent as a teacher with the desire for continued professional growth.
6. To ensure that the student will master the knowledge base of a certification and licensure area and the skills to teach it successfully.
7. To provide support for classroom theory by assigning field experiences at various levels of the Teacher Education Program.
8. To selectively screen all students in the program frequently to ensure that those reaching the point of licensure/certification will in the best judgment of the University become competent teachers.
9. To offer students an opportunity to prepare for educational positions in PK-K-12 classroom, college, governmental agencies and private industry.
10. To evaluate the Teacher Education Program periodically to ensure that it meets the current educational standards.

### IOWA LICENSURE EARLY CHILDHOOD SPECIAL EDUCATION

This program is planned to include field based experiences and areas of study necessary to prepare competent and professional Early Childhood Special Education practitioners and is

approved by the Iowa Department of Education. Successful completion of the program enables you to receive a Provisional License to teach children with special needs birth through age 6 in home based programs through Area Education Agencies or center-based instruction in Iowa's public and private elementary schools.

### IOWA LICENSURE

To acquire an Iowa Early Childhood Special Education license, an applicant needs the following to complete a major in Early Childhood Special Education: Early Childhood Special Education (ECSE) 200, 201, 311, 400, 410, 420, 434 (or 435 or 619); Special Education 512, 593; Physical Education 206; Occupational Therapy 325; Speech 325; Psychology 105, 304, 309, 310; Education 301, 308, 309, Sociology 300, Mathematics 121; English 101, 103 and one course in each of the following areas: American Literature, US History or Government, Social Sciences, Mathematics, Health Education, 7 semester credits in the Natural Sciences (Lab period required).

Students Will Choose One Of The Following Options:

1. Approved Endorsement in Early Childhood Special Education And Regular Education PreK-K. Early Childhood Special Education Major with PK-K endorsement Upon completion students would be licensed to teach in both Regular PreK-K classrooms and in Birth through age 6 Special Education programs. Additional coursework needed for PK-K endorsement: Education 310, 311, 312, 340, 403. ECSE 434 and Education 403 are taken concurrently for student teaching.
2. Approved Endorsement in Early Childhood Special Education Early Childhood Special Education major with a 12-15 semester hour area of concentration (i.e. :Psychology, Elementary Social Studies, Elementary Language Arts, Foreign Language or other area approved by University Advisor). ECSE 435 is taken for student teaching.
3. Approved endorsement in Early Childhood Special Education for students already holding an Iowa Teaching License: ECSE 200, 201, 311, 400, 410, 420, 619; Special Education 512, 593; Speech 325; Physical Education 206; Occupational Therapy 325; Psychology 310.

### COURSE DESCRIPTIONS

#### EARLY CHILDHOOD SPECIAL EDUCATION

##### **ECSE 200. Introduction to Early Childhood Special Education, Birth-3 3 Credits**

Required introductory course. Broad overview connecting field experiences with basic concepts for children Birth-3, their families, and early intervention resources. Students should reserve four hours per week for a minimum of 50 hours of field experience in home-based programming for infants, toddlers, age Birth to 3.

##### **ECSE 201. Introduction to Early Childhood Special Education, Age 3-6 3 Credits**

Required introductory course. Broad overview connecting basic concepts with field experience in center-based program sites for children 3-6 with Severe/Multi Handicaps. Students should reserve four hours per week, minimum 50 hours per semester.

##### **ECSE 311. Assessing Young Children with Special Needs 3 Credits**

Purpose, techniques, and interpretation of assessment from an ecological perspective for the young child. Developmental needs, cognitive functioning, communication and language, sensory and motor, social-emotional and adaptive behavior assessment will be explored for Individual Family Service Plan and Individual Education Plan development.

##### **ECSE 400. Administration and Coordination of Early Childhood Special Education Programming 3 Credits**

Administration of home-based and center-based programming and coordination of community services for young children with special needs, birth to age 6, and their families.

##### **ECSE 410. Developmental Curriculum and Methods, Birth 3-4 Credits**

Screening, assessment curriculum design and evaluation for handicapped infants/toddlers. Teaching methods and materials, and strategies for early intervention stressing family, educational, and interagency cooperation. Requires four hours per week for practicum of at least 35 hours.

**ECSE 420. Developmental Curriculum and Methods, Ages 3-6      4 Credits**

Service delivery models, curriculum design, Individual Education Plans for early intervention stressing parent-professional partnerships. Teaching methods and curriculum in social-emotional, motor, communication and cognitive domains. Behavior management, the value of play, learning centers and adaptive strategies promoting self-directed developmentally appropriate concepts will be stressed in working with special needs preschoolers. Requires four hours per week for practicum of at least 35 hours in an approved Early Childhood Special Education setting.

**ECSE 434. Student Teaching Early Childhood Special Education      6 credits**

For students seeking endorsement in ECSE and PreK-K (Option 1). Directed observation and supervised teaching experience. The student is required to spend a full day, 5 days a week for one-half a semester in an approved early childhood setting. Co-requisite: Education 403. Prerequisite: Application must be made by February 1 the year before student teaching.

**ECSE 435. Student Teaching Early Childhood Special Education      12 credits**

For students seeking an endorsement in ECSE (Option 2). Directed observation and supervised teaching experience. The student is required to spend a full day, 5 days a week for one semester in approved early childhood setting. Application is to be made by February 1 the year before student teaching.

**ECSE 619. Practicum in Early Childhood Special Education      3 credits**

For students seeking an approved endorsement in ECSE and who already hold an Iowa Teaching Elementary License (Option 3). This course provides field and supervised teaching experience in an early childhood special education setting. Students will obtain practical, first-hand experience of working with curriculum, behavior management, and teaching strategies. Requires a minimum of 145 hours, at least 90 must be in direct contact with pre-school handicapped children.

**ELEMENTARY EDUCATION**

To acquire an Iowa elementary license, an applicant needs the following to complete a Major in Elementary Education: Education 205, 301, 308, 329, 335, 336 or 452, 351, 369, 409, Psychology 105, 304, 309, 310, Art 340, Music 244, Sociology 300, Physical Education 309 or 210, Math 121, 210, English 101, 313 and one course in each of the following areas: American Literature, US History or Government, Social Sciences, Health Education, 7 semester credits in the Natural Sciences to include one Laboratory period. An approved area of concentration leading to an endorsement in one of the following areas: Math, Science, Social Sciences: Social Studies or History, English/Language Arts, Reading or Pre-Kindergarten-Kindergarten. A minimum of 200 clock hours of pre-student teaching experiences in a school setting at two different grade levels are required before student teaching.

**Approved Endorsement in Language Arts**

The following courses are required: English 101, 103 or 210 or 211, 216 or 316, 313, 210 or 211; Speech 101 or 203 or 328 or 329, Education 351, 335, 369, 452.

**Approved Endorsement in Mathematics**

The following courses are required: Education 354; three semester credits of Computer Science and Mathematics 151, 152, (or at least five semester credits of higher level math courses if placement scores indicate that the student should begin with 191) 191, 192, 210, 360, and 300.

**Approved Endorsement in Pre-Kindergarten-Kindergarten**

The following courses are required: Completion of Licensure program for elementary majors, Education 310, 311, 312, Physical Education 340, and student teaching at three grade levels (PK-K- and 1-6).

**Approved Endorsement in Reading (Elementary)**

The following courses are required: An area of endorsement with at least 37 semester credits from the following courses: Education 309, 335, 336, 351, 369, 452 and 453 (450 or 453 for Illinois licensure); English 101, 313 and Speech 101 or 203 or 328 or 329, and Psychology 304.

#### **Approved endorsement in Science**

The following courses are required: Astronomy 201; Biology 103, 104, 109; three semester credits in Chemistry; Education 353; Mathematics 121, 151; four semester credits in Physical Science and four semester credits of electives in Science.

#### **Approved Endorsement in Social Studies: History**

The following courses are required: Completion of twenty-four semester hours in American History and World History. Course work must include World Civilization 105, 106 and US History 201, 202 and Education 329, plus 6 hours of electives in American History and 6 hours of electives in World History.

#### **Approved Endorsement in Social Science: Social Studies**

The following courses are required: Completion of twenty-four semester hours of coursework to include: US History, World Civilization, US Political Science, Economics or US Geography, Psychology, or Sociology plus additional electives in these areas to total 24 semester hours. Education 329 and Sociology 300 are required in addition to the 24 semester hours.

### **IOWA LICENSURE**

#### **SECONDARY EDUCATION**

Generally it will require at least 3 semesters to complete the program requirements for secondary education. The prospective secondary teacher applicant must contact the Department Chair at least 6 semesters prior to graduation.

As a secondary school teacher applicant, you need to fulfill program requirements in a teaching major, complete a course in either United States History or American Government; complete Sociology 300, Psychology 310; and complete the following courses: Education 205, 301, 304, 305, 308, 309, 336 (Art, Music and Physical Education Majors are not required to take this course unless they have another teaching concentration); Student Teaching Education 419 or 430, or 432, or 433. You will need to pass the Writing Intensive requirement, a test of reading comprehension, have at least 70 hours of field experience prior to admission to the program, and an additional 50 hours prior to student teaching. Special Methods from a Department may be substituted for Education 305. Department Majors approved for certification include Art, Business General, Business Marketing Management, English, French, German, Spanish, Mathematics, Music, Physical Education, Biology, Chemistry, Physics, Economics, American Government, History (American-World), Psychology, Speech, General Science and Sociology.

#### **Approved Endorsement in Reading (Secondary)**

The following courses are required: An area of specialization with at least 27 semester credits from the following courses: Education 304, 335, 336, 351, 369, 452, 453; English 101, 216 or 316 and 313; Speech 325 and Speech 101 or 203 or 328 or 329.

### **TEACHER EDUCATION PROGRAM**

Requirements for Admission into the Teacher Education Program

1. Achieve a grade equivalency score of grade level 13 or above on a reading comprehension test. At present the Nelson-Denny test is used and a 40th percentile or above is required.
2. Complete English 101 with a grade of "C" or above.
3. Have earned at least 30 semester credits. The applicant must have completed or be enrolled in at least 15 semester credits at St. Ambrose University.

4. Complete two education courses. One must be Field Experience (EDUC 205). The applicant must have earned a grade of "B" or above in Field Experience and have received the recommendation of a cooperating teacher to continue in education.
5. Complete a Declaration of Major form.
6. Maintain a cumulative GPA of 2.70 and a GPA of 3.00 in education courses and courses required for the major. In education courses and those required for the major, a grade of "D" or "F" is not acceptable. All grades must be "C" or above.
7. Apply for admission to the Teacher Education Program. This admission form requires the applicant to plan a proposed sequence of courses which must be approved by the major department chair and the Education Department Chair. The admission form also requires a personal statement including goals for a teaching career.

For Admission to Student Teaching and for Graduation in the Education Department the applicant must meet the following requirements:

1. Admission to Teacher Education Program. This admittance includes an approved academic major sequence of courses leading to licensure/certification.
2. Maintain a cumulative GPA of 2.70 and a GPA of 3.00 in education courses and courses required for the major. In education courses and those required for the major, a grade of "D" or "F" is not acceptable. All grades must be "C" or above.
3. Completion of two writing intensive courses before student teaching semester.

Note: An appeal process is available to the student for any of the above requirements. All appeals must be made in writing to the Teacher Education Working Committee through the Education Department Chair. Student teaching appeals should be made before the student teaching semester.

### **STUDENT TEACHING SEMESTER**

Points to Remember for Students and Advisor

1. Application date is February 1st for student teaching during the next academic year.
2. All students, PK-12, who wish to student teach in the next school year must apply by February 1st.
3. All student teachers are assigned to public or private schools in the Quad City area.
4. The length of assignment is all day, everyday, for one full semester with 12-15 hours credit.
5. Licensure/certification students in Art, Music, and Physical Education will be assigned to both elementary and secondary schools. PK-K student teachers will teach at three levels.
6. During the student teaching semester, all student teachers will return to the University 5 to 7 times a month after school to attend scheduled Student Teaching Seminars. The student teaching semester should be considered a full time professional obligation. Additional course work or employment is discouraged during this semester.

### **BACHELOR OF EDUCATION**

The Bachelor of Education will be conferred to students who have already completed a Bachelor or Master degree and are seeking teacher licensure/ certification. The required course work is identical to that described for either Elementary or Secondary licensure/certification. Students should be aware that changes in the licensure/certification guidelines may result in changes in degree requirements.

Requirements for admission to the Bachelor of Education program:

1. Thirty (30) semester credits of the student's last 45 semester credits in their previous degree program must meet the Teacher Education Program's GPA requirement of 2.70 cumulative



GPA, and 3.00 GPA in the major, including any hours applicable to the Teacher Education Program.

2. To receive a B.Ed. a student needs to complete 30 semester credits of the last 45 semester credits through St. Ambrose University and/or in the B.Ed. program.
3. All other degree requirements are identical to those described under the section: Teacher Education Program.

## COURSE DESCRIPTIONS

### EDUCATION

**EDUC 205. Field Experience (Freshman or Sophomore Year) 2 Credits**  
(Students should reserve two mornings or afternoons per week--70 hours per semester.)  
Prospective teachers serve as teacher aides in area schools for work in a classroom. Weekly seminar. Required of all Education students. Regular Grade Option.

**WI-EDUC 301. History and Philosophy of Education 3 Credits**  
Introduction to the philosophical, historical, and sociological foundations underlying the development and organization of public education. Emphasis is placed upon applying foundations to current issues in education through the use of panel discussions, debates, and written reports. Prerequisites: Education 205, sophomore status and English 101 with "C" or better.

**#EDUC 304. Child and Adolescent Psychology 3 Credits**  
Physical, cognitive, emotional and social development through adolescence. Prerequisites: Education 205 and Psychology 105. (Same as Psychology 304)

**EDUC 305. Special Secondary Methods 3 Credits**  
Organization, lesson planning, development of a teaching unit, classroom procedures emphasized. Lecture and laboratory. Field hours are spent in area school with several classroom teachers (based in one secondary department) school administrators, and teachers of special/gifted education. Prerequisites: Education 205, 301, 304 and 309. (Department methods of Art, Music, Mathematics, Speech and Physical Education are accepted in place of this course.)

**EDUC 308. Educational Technology 2 Credits**  
Students are provided with hands-on experience in the use of audiovisual, media, and computer technology. After demonstrating a level of basic competency, students are required to plan and present a lesson incorporating technology relevant to their particular teaching area. Prerequisite: Sophomore status and Education 205.

**EDUC 309. Educational Psychology: Tests and Measurements 3 Credits**  
Psychological principles in teaching and learning, preparation and use of devices to evaluate learning and instruction. Lecture. Prerequisites: Education 205 and 304 and Psychology 105. (Same as Psychology 309)

**EDUC 310. Child and the Community 3 Credits**  
An overview of children from infancy through age eight and the relationships that they develop with their families in care-giving situations, at school, and in the large community. Students learn procedures to help children develop these relationships. Students will also become knowledgeable about community resources which further children's development. Prerequisites: Education 205 and Psychology 304.

**EDUC 311. Organization and Guidance of Pre-kindergarten Kindergarten Children and Programs 3 Credits**  
The current theories and approaches for organizing and administering programs for children from the ages of infancy to six years. including kindergarten are explored. Personnel management, facilities, equipment, governance and funding will be emphasized. Prerequisite: Education 310 or concurrent enrollment in Education 310.

**EDUC 312. Curriculum Development for Young Children 3 Credits**

The student will learn techniques of planning, presenting, guiding and evaluation creative learning experiences for young children, with emphasis upon the ages 2-6. These areas will be explored: play, artistic and sensory expression, expressive language, music and movement, science, social studies, mathematics and nutrition. Field hours are required. Prerequisite: Education 311 or concurrent enrollment in Education 311.

**EDUC 329. Methods of Teaching Social Studies****3 Credits**

Development of basic concepts in social sciences taught in elementary schools. Examination of multi-culturalism. Examines methods such as inquiry, problem-solving. Several projects, including unit and lesson planning, are required. Field hours are required. Prerequisites: Education 205 and 304. (Same as History 395)

**EDUC 335. Teaching of Reading****3 Credits**

Analysis of reading to provide a knowledge of modern instructional procedures. Assists in study activities which involve reading. Lecture, laboratory and field hours in a classroom setting. Prerequisites: Education 205, 304 and 351 or permission of Instructor.

**WI-EDUC 336. Content Reading****3 Credits**

Examines reading skills and instructional needs of junior high and secondary school students, with emphasis on teaching and management techniques for a range of reading levels. Comprehension strategies, basic study skills, coordination of reading instruction, and recreational reading (field hours in a classroom setting). Prerequisites: Education 205 and 304

**EDUC 351. Language Arts in the Elementary School****3 Credits**

Curriculum organization, instructional planning and strategies for the language development of the child from birth through adolescence. Includes methods and materials for teaching all areas of the language arts including oral and written language, grammar, listening, vocabulary development, reading, spelling and handwriting. Lecture and laboratory. Field hours in a classroom setting with a language arts emphasis. Prerequisites: Education 205, 304

**EDUC 353. Methods of Elementary Science****3 Credits**

Lesson and unit planning, problems of instructional design, use and development of curricular materials which foster science teaching and learning as a dynamic human enterprise. Lecture and Laboratory (field hours in a science classroom.) Prerequisites: Education 205, 304

**EDUC 354. Methods of Elementary Mathematics****3 Credits**

Current issues, approaches, and materials in elementary school mathematics teaching, including: philosophy and objectives, technology, curricula problems, review and evolution of current literature. Field hours in a math classroom. Prerequisite: Mathematics 210

**EDUC 369. Child and Adolescent Literature****3 Credits**

Evaluation of literature written for and read by adolescents and children. Methods of choosing books related to reading interest levels, promoting reading as an enjoyable and meaningful activity and developing competence in presenting literature to adolescents and children (which includes oral interpretation of literature and creative dramatics. Lecture and laboratory. Five hours laboratory in library program for children and adolescents.) Prerequisites. Education 205 and 304

**EDUC 403. Observation and Student Teaching-Pre-kindergarten-Kindergarten****6 Credits**

Directed observation and supervised teaching experience. The student is required to spend a full day, five days a week, for 7 weeks at the pre-kindergarten and kindergarten levels. Application is to be made by February 1 for Student Teaching during the next academic year. This course is normally completed with Early Childhood Special Education 434 or by teachers holding elementary licensure. Prerequisites: Admission to Teacher Education program; Senior Status, Education 205, 310, 311, 312; recommendation from PKK Coordinator and the department of Education Chair. The student teaching semester should be considered a full-time professional obligation. Additional coursework or employment is discouraged during this semester

**EDUC 409. Observation and Student Teaching-Elementary Grades 2-15****6 Credits**

Directed observation and supervised teaching experience. The student is required to spend a full day, five days a week, for a semester in the elementary schools. Application is to be made by February 1 for Student Teaching during the next academic year. Prerequisites: Admission to the

Teacher Education Program; Senior standing; all requirements (See Elementary Education Program) and recommendation of the Director of Elementary Education and the Department of Education Chair. The student teaching semester should be considered a full-time professional obligation. Additional coursework or employment is discouraged during this semester

**EDUC 419. Observation and Student Teaching--Secondary Grades 12-15 Credits**

Directed observation and supervised teaching experience. Students must spend a full day, five days per week, for a semester in a secondary school. Application is to be made by February 1 for Student Teaching during the next academic year. Prerequisites: Admission to the Teacher Education Program; Senior standing; Education 205, 301, 304, 305, 308, 309, and 336; and recommendations from the Chairs of the Major and Minor teaching areas, and the Education Department. The student teaching semester should be considered a full-time professional obligation. Additional coursework or employment is discouraged during this semester

**EDUC 430. Observation and Student Teaching--Art 12-15 Credits**

See Education 419

**EDUC 432. Observation and Student Teaching--Music 12-15 Credits**

See Education 419

**EDUC 433. Observation and Student Teaching--Physical Education 12-15 Credits**

May take up to three semester credits concurrently in coaching. (See Education 419)

**EDUC 450. Seminar 1-3 Credits**

Current research and trends in education. Prerequisites: Senior standing and admission to the Education Department

**EDUC 452/552. Diagnostic and Prescriptive Techniques of Teaching Reading 3 Credits**

Diagnostic and prescriptive techniques for classroom teachers of reading. Corrective techniques appropriate for less severe reading disabilities; writing diagnostic and progress reports; parent interviews; designing prescriptions for teaching, tutoring and evaluating children in clinical setting. Lecture and laboratory. Graduate students will be required to fulfill all 452 requirements as well as design a K-12 reading inventory and prepare a case study on the client assigned. Prerequisite: Education 335 or consent of Instructor. A minimum of 25 clock hours of clinical work with students is required. (Graduate Prerequisites: One foundation course in reading and at least two (2) years teaching experience

**EDUC 453. Reading Clinic: Advanced Teaching Practicum 3 Credits**

Diagnosis and correction of reading problems in a clinical setting. Using and evaluating formal and informal test instruments; writing diagnostic and progress reports; parent interviews; designing prescriptions for teaching, tutoring and evaluating children. Prerequisites: Senior standing; Education 335, 336, 351, 369, 452; approval of Director of Elementary Education. A minimum of 50 clock hours of clinical work with students is required

**EDUC 461. The Middle School 3 Credits**

This course examines why the middle school movement arose, the transitions necessary to enter and leave a middle school, the curricula, the role of the teacher, and recent research findings regarding the middle school. Prerequisites: Senior status or teacher certification/licensure

**EDUC 556. Teaching Reading to Adolescent 3 Credits**

Assessment of adolescent reading skills in various content areas. Methods and materials used in teaching developmental reading in junior and .senior high content courses. Prerequisites: Graduate Status or permission of Instructor

**EDUC 710. Educational Research and Statistics 3 Credits**

Provides students with basic skills in conducting educational research including methodology and statistical procedures. Prerequisite: Graduate status

**EDUC 715. Teaching Culturally Diverse Children in Special Education Settings 2 Credits**

Designed to assist special education teachers in developing the understanding of issues surrounding cultural and gender diversity within special education settings. Prerequisites: Special Education 500, Graduate Status, or permission of Instructor

## **FIFTH YEAR PROGRAM IN SPECIAL EDUCATION**

### **IOWA LICENSURE**

The 5th Year Special Education Program at St. Ambrose University has been designed around the basic philosophy that special Education teachers need to possess a basic understanding of the workings of General Elementary or Secondary Education. Ninety percent of the Special Education teachers graduating over the next 10 years will be working in the public schools. Their careers will demand skills which enable them to work closely with regular educators. The more an individual understands about the general education curriculum and the teaching techniques used in that curriculum the better he/she can serve the special needs population

Students wishing to enroll in the 5th Year Program will spend their freshman and sophomore years taking General Education requirements established by the University. During the sophomore, junior and senior years, students will take courses leading to licensure in either elementary or secondary education

A letter of intent to enter into the 5th Year Program is completed in the first semester of a student's junior year. During the Spring Semester of his/her junior year the student will need to complete the application process for the 5th Year Program (forms are available in the Graduate Special Education Office or the Education Department main Office)

Beginning the summer session of the junior/senior year, students can take up to 2 courses in Special Education. From there on students will be able to continue in the Graduate Special Education Program completing all requirements for licensure in Special Education and a Master's Degree by the end of the summer - one year after completion of the Bachelor of Arts degree

Interested students are referred to the Master's Degree in Special Education section of this catalog (pages 251-255) for complete information of admission and degree requirements.

Course Descriptions for Special Education courses can be found in the graduate section of this catalog (pages 251-255)

Students enrolling in the 5th Year Program choose one of the following:

#### **SPECIAL EDUCATION ENDORSEMENTS:**

Endorsement 1: Elementary or Secondary Learning Disabilities.

To work with children with learning disabilities in grades K-6 the following courses are needed: Special Education 500 or Psychology 310; Special Education 510, 511,512, 513, 514, 520, 621, 633, 628, and 631 or 641 or Education 552.

To work with youth with learning disabilities in grades 7-12 the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 520, 622, 629, 660, and 632 or 642 or Education 556.

Endorsement 2: Elementary or Secondary Behavioral Disorders.

To work with children with behavioral disorders in grades K-6 the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 530, 631,633, 638.

To work with youth with behavioral disorders in grades 7-12, the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 530, 632, 633, 639, 660.

**Endorsement 3: Elementary or Secondary Mental Disabilities (Mild/ Moderate).**

To work with children with mild/moderate mental disabilities in grades K-6, the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 540, 641,643, 644, 647, 648.

To work with youth with mild/moderate mental disabilities in grades 7-12, the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 540, 642, 643, 644, 647, 649.

**Endorsement 4: Elementary or Secondary Multi-categorical Resource Room (Mild).**

To work with children with mild disabilities in a multi-categorical resource room setting in grades K-6, the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512,513,514, 550, 651,658, Education 552 and Special Education 621 or 631, or 641.

To work with youth with mild disabilities in a multi-categorical resource room setting in grades 7-12, the following courses are needed: Special Education 500 or Psychology 310 or 510; Special Education 510, 511,512, 513, 514, 550, 652, 659, 660, Education 556 and Special Education 622 or 632 or 642.

**Endorsement 5: Elementary or Secondary Multi-categorical Special Class with Integration (MSCI).**

To work with children with moderate disabilities who are served in multi-categorical SCI programs in grades K-6, the following are needed: Two special education endorsements at the elementary level (i.e. learning disabilities, behavioral disorders, mental disabilities (mild/moderate)).

To work with youth with moderate disabilities who are served in multi-categorical SCI programs in grades 7-12, the following are needed: Two special education endorsements at the secondary level (i.e. learning disabilities, behavioral disorders, mental disabilities (mild/moderate)).

Students with an interest in obtaining a Master's degree in Special Education should see pages (251-255) in the graduate section of the catalog.

## ENGINEERING

Core courses recommended for first two years of an Engineering program (for students with a strong preparation in mathematics.) First semester-Engineering 110; Mathematics 191; Chemistry 105; Second semester-Computer Science 210; Physics 251; Mathematics 192;. Third semester--Engineering 220; Mathematics 291 and 31 O; Physics 253. Fourth semester--Engineering 302, 310; Mathematics 300, 320; Physics 254. There also are twelve to fifteen additional elective semester credits in the usual Engineering program.

Recommended for three-year, two degree Engineering program: For a broader liberal arts background in career preparation, three years of study at St. Ambrose and two years at an Engineering school can lead to two degrees--a Bachelor of Science Degree from the Engineering School and a Bachelor of Arts Degree from St. Ambrose. The technical courses listed in the Engineering Core program are suggested along with electives to satisfy Bachelor Degree requirements number two, three, five, six and seven, which are specified in the section on Academic Information in this catalog.

Requirements for the Bachelor of Science Degree with a Major in Engineering Physics: 23 semester credits in Physics including 9 semester credits at the 300 level and Physics 317; 14 semester credits in Engineering excluding Industrial Engineering and including at least nine semester credits at the 300 level; 18 semester credits in Mathematics including at least six semester credits at the 300 level; Chemistry 105, 106; 12 semester credits in Computer Science including at least six semester credits at the 300 level. Students with a major in Engineering Physics are able to select courses which make them eligible for entry level engineering positions with the federal government.

## COURSE DESCRIPTIONS

### ENGINEERING

#### **ENGR 110. Engineering Graphics**

**3 Credits**

The graphic solution of space problems involving points, lines and planes, geometric construction, pictorial representation, auxiliary views, sectioning, dimensioning. Four and a half hours per week. (Same as Industrial Engineering 110)

#### **ENGR 220. Engineering Statics**

**2 Credits**

Vector and scalar treatment of forces. Resultants, equilibrium friction, centroids, moments and products of inertia, external and internal forces. Applications to pulleys, trusses, frames, beams, friction. Prerequisite: Mathematics 192; Physics 251. (Same as Industrial Engineering 220)

#### **ENGR 302. Engineering Dynamics**

**3 Credits**

Dynamics and kinematics of particles and rigid bodies in rectangular, polar and spherical coordinates. Work-energy and impulse-momentum theorems for rigid body motion. Oscillations of particles and systems. Applications to engineering systems. Prerequisites: Engineering 220 and Mathematics 192. (Same as Industrial Engineering 302)

#### **ENGR 303. Strength of Materials**

**3 Credits**

Plane stress, plane strain, stress-strain relationships, and elements of material behavior. Elements of stress and deformation analysis applied to members subject to centric, torsional, flexural and combined loadings. Elementary considerations of theories of failure, buckling, repeated and impact loads. Prerequisites: Mathematics 192; Engineering 220. (Same as Industrial Engineering 303)

#### **ENGR 310. Materials Science**

**3 Credits**

Crystal structure and mineralogy, imperfections and bonding in solids, relation of structure to properties. Mechanical, electrical, and thermal behavior of materials. Mechanisms of deformation and transformation. Prerequisites: Mathematics 191; Chemistry 105; and Physics 251, 253, (Same as Industrial Engineering 310)

#### **ENGR 312. Thermodynamics**

**3 Credits**

Introduction to classical and quantum statistics; thermodynamic laws, energy, entropy and equilibria, cyclic and noncyclic processes; applications to chemical and engineering problems. Prerequisite: Physics 204 or 251. (Same as Physics 321 and Industrial Engineering 312)

**ENGR 320. Electromagnetic Theory****3 Credits**

Time dependent electric and magnetic fields; boundary value problems, solutions to Maxwell's equations; transmission lines and wave guides; antennae and radiation. Prerequisites: Physics 253; Mathematics 291. (Same as Physics 304)

**ENGR 341. Digital Electronics Laboratory****1****Credit**

This course introduces a design environment for the use of measurement apparatus. Characteristics and use of basic integration circuits, combinational logic networks, flip flops, multi-vibrators, registers, counters and sequential networks. Co-requisite: Computer Science 340. Prerequisites: Physics 160, 204, or 253.

**ENGR 351. Microprocessor Laboratory****1****Credit**

Use of programmable LSI logic chips interfaced with memory and I/O devices. Experiments in the design of simple software modules and elementary operating systems concept in managing memory, I/O and interrupts. Prerequisite: Engineering 341.

## ENGLISH

Requirements for a Major: 30 semester credits in English in courses above the freshman level, including English 201, 202, 210, 211, 303, 313, and 12 semester credits of English above the 200 level of which 9 credits be above the 300 level.

Requirements for a Teaching Major: Students majoring in English and expecting to qualify for a certificate to teach English on the secondary level are required to earn credit in English 201, 202, 210, 211, 303, 313, 316; and 9 semester credits of English electives at the 300 level or above, Speech 203, Education 369. Education courses required for a Teaching Major/Minor are found in the section on Department of Education in this catalog (Pages 109-111).

Requirements for a Teaching Minor: Students expecting to qualify for a teaching minor in English on the secondary level are required to take 24 semester credits above the freshman level from the following courses: English 201, 202, 210, 211, 313, 316, and 6 semester credits in English electives at the 300 level or above, Speech 203, and Education 369.

### COURSE DESCRIPTIONS

Students should have some background in college English before taking 300-level courses.

## ENGLISH

### ENGL 100. English Skills

**3 Credits**

Introduction to the writing process and to writing in response to readings. Students learn to develop and structure their ideas in writing through a variety of one-page papers and longer essays. A review of grammar, mechanics, spelling, and usage is included to help students improve editing skills. English 100 counts toward graduation as an elective. A competency level of "C" is required before a student may enroll in a higher-level course.

### ENGL 101. Written Communication

**3 Credits**

Methods of writing clear, concise, and effective academic discourse through use of a writing process and revision. Minimum requirement of 6000 words of polished writing; most papers are written in response to readings. Also an introduction to research methods and skills. Grade of "C" or better required to pass.

### #ENGL 103. Introduction to Literature Credits

**3**

Students learn how to read literature. Introduces students to literary language and thought patterns as well as helps them become aware of themselves as readers. Includes selected fiction, poetry and/or drama. Gives continued practice in effective writing.

### #ENGL 201. British Literature I

**3 Credits**

Selected British writers up to the close of the eighteenth century, with emphasis on such figures as Chaucer, Shakespeare, Donne, Milton and Pope.

### #-WI-ENGL 202. British Literature II Credits

**3**

Selected British writers of the nineteenth and twentieth centuries, with emphasis on major poets, such as Wordsworth, Keats, Tennyson, Browning, and Yeats, and novelists such as Dickens, Joyce and Lawrence.

### #ENGL 203. Special Topics in Literature

**3 Credits**

Introductory course in the study of literature. Topics, usually a theme or literary form, are announced. Primarily for non-English majors. May be repeated if topics are different.

### #ENGL 209. Women in Literature

**3 Credits**

Study of writings by women through the centuries, with concentration on contemporary literature.

### #ENGL 210. American Literature I Credits

**3**



Survey of American Literature from the beginning to 1865. Focuses on literature as a product of historical and intellectual encounters. Students read both marginal writers, such as Fuller and Douglass, and mainstream writers, such as Franklin, Poe, Whitman, Hawthorne, Melville, Emerson and Thoreau. Includes writing assignments to synthesize material and to help students understand how writers create and re-create experience.

**#ENGL 211. American Literature II** **3**  
**Credits**

Survey of American writers from Mark Twain to the present with attention to their literary value, their historical significance, and their varying attitudes toward the individual and society.

**ENGL 216. Expository and Persuasive Writing** **3 Credits**

Emphasizes analytical writing and thinking skills. The premise of the course is that writers must earn the attention of the reader by determining their audience, analyzing a topic, focusing on a dominant idea, organizing for effectiveness and revising for clarity and conciseness. The practical product of the process is a written explanation that convinces a reader to accept the idea.

Prerequisite: English 101.

**ENGL 217. Written Business Communication** **3 Credits**

Emphasizes practical strategies to solve business communication problems. Focuses on the development of an efficient writing process which results in an effective written product.

Prerequisite: English 101 with a "C" or better.

**ENGL 220. Drama in English** **3 Credits**

**Historical survey of the drama covering the major periods.**

**ENGL 301. Chaucer** **3 Credits**

Chaucer as a literary artist in the context of his times. Selected pieces of literature from other writers in the fourteenth century.

**#ENGL 303. Shakespeare** **3 Credits**

Selections include about ten plays from the histories, tragedies, and comedies, plus an introduction to the sonnets. Film frequently used.

**ENGL 304. English Renaissance** **3 Credits**

Major writers, excluding Shakespeare, from 1485-1660, including More, Sidney, Spenser, Jonson, Donne and Milton as they represent the period.

**ENGL 306. The Literature of the Restoration and Eighteenth Century** **3 Credits**

Major literary figures from the Restoration to the beginning of the Romantic Movement, including Dryden, Pope, Swift, Johnson, Fielding and Congreve.

**ENGL 307. The Literature of the Romantic Movement** **3 Credits**

Focuses on romanticism as a literary movement in the context of the age (1798-1832). Includes selections from the major poets such as Blake, Wordsworth, Coleridge, Byron, Shelley and Keats, as well as essays and novels.

**#ENGL 309. Victorian Literature** **3 Credits**

Major poets and prose writers of Victorian England in a literary-historical context. Authors likely to be included are Tennyson, Browning, Arnold, Carlyle, Ruskin, Dickens, Eliot and Trollope.

**WI-ENGL 313. Introductory Linguistics** **3**  
**Credits**

Descriptive and analytical grammar, with an investigation of language development and linguistic study of usage.

**ENGL 316. Writing Workshop: Non-fiction Prose** **3 Credits**

A workshop in expository writing intended for students who already have a command of essay writing skills. Focuses on the connections between writing and reading and the process of revision. Includes work on cultivating an effective style. Prerequisite: English 101.

**ENGL 317. Writing Workshop: Creative Forms** **2-3 Credits**

Explores the literary forms of poetry, short story and drama by reading examples, but concentrates on student creativity. Develops critical skills to evaluate published and unpublished work.  
Prerequisite: English 101.

**ENGL 318. Tutorial Writing****1 Credit****ENGL 325. Literary Criticism****3 Credits**

Examines major texts from different periods of English and American Literature in light of a variety of critical approaches in order to sharpen students' critical skills and to encourage creative use of different methodologies.

**#ENGL 331. Selected Twentieth-Century Writers****3 Credits**

Representative twentieth-century authors, such as Joyce, Hopkins, Greene and Flannery O'Connor.

**#ENGL 339. The British Novel****3 Credits**

Historical survey of major English novelists from Defoe and Richardson to Golding and Greene.

**#ENGL 340. The American Novel****3 Credits**

Study of selected American novelists including familiar authors such as Hawthorne, Twain, Cather and Faulkner as well as a variety of contemporary writers.

**#ENGL 341. American Poetry****3 Credits**

This course will examine the development of American poetry. Prerequisite: English 101 with a "C" or better.

**ENGL 342. The Revolutionary Age and the American Renaissance, 1775-1865****3 Credits**

Examines the ideals that shaped the American imagination and national identity, including gender, race and class structures. Examines Transcendentalism as a philosophical and literary movement. Includes selected writers from the revolutionary and early national period such as Franklin, Jefferson, Cooper and Irving as well as from the American Renaissance such as Emerson, Thoreau, Hawthorne, Melville and Stowe.

**#ENGL 343. American Realism and Naturalism, 1865-1914****3 Credits**

Studies how social changes, scientific theory and the Civil War altered the American sense of self as well as literary modes. Includes mainstream writers such as Twain, Howells, James, Chopin, Norris, Crane, Dreiser and Wharton, as well as lesser known realists and regional writers.

**ENGL 344. The American Moderns, 1914-1939****3 Credits**

Explores responses to World War I authors such as Frost, Stevens, Williams, Pound, Eliot, Cather, Dos Passos, Stein, Fitzgerald, consequent cultural alienation as well as literary experiments with form in writers Faulkner, Wolfe, and Steinbeck. Also includes members of the Harlem Renaissance, such as Toomer, Hughes, Cullen and McKay.

**ENGL 350. Independent Study****2-3 Credits**

Open to all students who have a cumulative 3.0 grade point in previous English courses. Topics are not taught in regularly offered courses. Prior permission of Instructor necessary. May be taken only twice.

**#ENGL 365. Books that Changed the World****2-3 Credits**

Examines about nine works that significantly altered personal concepts of self and the world such as Oedipus Tyrannus, Mark's Gospel, Canclide, The Waste Land, and Animal Farm.

## FOREIGN LANGUAGES

The Department of Classical and Modern Languages offers a Combination Language Major on campus at St. Ambrose University, and offers a Major in French, German and Spanish through the International Studies Program. Studies can fulfill requirements for a Major in Spanish on campus, or they can complete a Major in French, German or Spanish by studying abroad for one year. A non-teaching minor is available in French, German and Spanish. Education courses required for a Teaching Major or Minor are found in the section on Department of Education in this catalog (Pages ). Details on programs both at home and abroad are available from the Chair of the Department of Classical and Modern Languages who also serves as the Director of International Studies.

Students of a foreign language are encouraged to study abroad. For those who cannot do so, the requirements for a Combination Language Major are 18 semester credits above the freshmen level in the same first language and 12 semester credits above the freshman level in the same second language.

First language option on campus: Spanish.

Many of these courses may be offered on a cycled basis. Please consult with the Department Chairman, in order to avoid delays in beginning a language sequence.

Second language options: French, German and Spanish.

The Department of Classical and Modern Languages encourages students who have language experience, either through high school credit, or because they are native speakers of languages other than English to take CLEP exams. The Department accepts up to 12 semester hours of credit, depending on the scores obtained on the exams. CLEP exams cannot be taken after a student has formally enrolled in a language course. Therefore, students are encouraged to take CLEP exams prior to enrolling in college in order to receive credit, and in order to be placed at the appropriate level of language study.

## FOREIGN LANGUAGE IN TRANSLATION

### COURSE DESCRIPTIONS

The following courses also are offered by the Department of Classical and Modern Languages; they require no knowledge of a foreign language.

- |  |                  |
|--|------------------|
| <b>#FLAN 101. Inter-cultural Understanding</b>   | <b>3 Credit</b>  |
| Introduction to culture in general and specifically to the study of the cultures of countries where French, German, Russian and Spanish are spoken. Content varies.  |                  |
| <b>#FLAN 201. Selected Works of French Literature in Translation</b>   | <b>3 Credits</b> |
| <b>#FLAN 202. Selected Works of German Literature in Translation</b>   | <b>3 Credits</b> |
| <b>#FLAN 203. Selected Works of Russian Literature in Translation</b>  | <b>3 Credits</b> |
| Selected works in translation by authors such as Pushkin, Gogol, Lermontov, Turgeniev, Dostoevsky, Tolstoy, Chekhov and others.  |                  |
| <b>#FLAN 204. Selected Works of Hispanic Literature in Translation</b>   | <b>3 Credits</b> |
| Selected works in translation such as <i>The Cid</i> and <i>Lazarillo de Tormes</i> , and by such authors as Lope de Vega, Tirso de Molina, Galdos, Unamuno, Garcia Lorca, Cela, Garcia Marquez, and Borges. |                  |

## FRENCH

Requirements for a Teaching or Non-Teaching Major: 24 semester credits of French above the freshman level, including at least six credits of French literature, fulfilled only by studying abroad. (Teaching majors need to complete a program of study approved by both the Language and Education Department Chairmen.)

Requirements for a Teaching or Non-Teaching Minor: 18 semester credits of French in a courses above the freshman level.

### COURSE DESCRIPTIONS

#### FRENCH

##### **#FREN 101, 102. First Year French**

**3 Credits**

Acquaints the student with French through experiences in the five language skills of understanding, speaking, reading, writing and culture.

##### **#FREN 201, 202. Second Year French**

**3 Credits**

Review and greater mastery of written and spoken French. Readings of French texts. Prerequisites: French 101, 102, two years of high school French or equivalent.

##### **#FREN 301. French Composition and Conversation I**

**3 Credits**

Advanced study of grammar, stylistics and vocabulary. Development of both written and oral skills. Emphasis on acquisition of composition skills. Readings on contemporary French culture. Prerequisites: French 201,-202, four years of high school French or equivalent.

##### **#FREN 302. French Composition and Conversation II**

**3 Credits**

Continuation of French Composition and Conversation I with greater emphasis on conversational skills and use of some colloquial French. Readings of French texts. Prerequisites: French 201,202, four years of high school French or equivalent. Recommended: French 301.

##### **FREN 320. Independent French**

**1-6 Credits**

Department approval. Repeatable. Prerequisites: French 301,302, five years of high school French or equivalent.

**GENERAL SCIENCE**

See Interdisciplinary Programs

**GEOGRAPHY****GEOG 201. Physical Geography****3 Credits**

Natural environment with emphasis on spatial interaction of elements; resources and their uses.

**GEOG 205. Human Geography****3 Credits**

Principles of human spatial behavior and how they apply to social, economic, and political problems.

**GEOG 322. Economic Geography****3 Credits**Location and spatial organization of world economic activity: manufacturing, trade, etc.  
Prerequisites: Geography 201 or 205, or consent of Instructor.**GEOG 340. Urban Geography****3 Credits**

Urban space and activities; theories and processes of urbanization, and contemporary urban problems in geographic perspective. Prerequisite: Geography 201 or 205, or consent of Instructor.

**GEOG 360. Maps and Mapping****3 Credits**

Types, design, and functions of maps. Prerequisite: Geography 201 or 205, or consent of Instructor.

**GEOG 370. Studies in Geography****3 Credits**

Particular world regions or problems. Topics change according to world events and needs of students. Prerequisite: Geography 201 or 205, or consent of Instructor.

**GERMAN**

Requirements for a Teaching or Non-Teaching Major: 24 semester credits of German above the freshman level, including at least six credits of German literature, fulfilled only by studying abroad. (Teaching majors need to complete a program of study approved by both the Language and Education Department Chairmen.)

Requirements for a Teaching or Non-Teaching Minor: 18 semester credits of German in a courses above the freshman level.

**COURSE DESCRIPTIONS****GERMAN****#GERM 101, 102. First Year German****3 Credits**

Acquaints the student with German through experience in the five language skills of understanding, speaking, reading, writing, and culture.

**#GERM 201, 202. Second Year German****3 Credits**

Oral practice. Grammar review. Vocabulary development. Prerequisites: German 101,102, two years of high school German or equivalent.

**#GERM 301. German Composition and Conversation I****3 Credits**

Advanced study of grammar, style and syntax. Development of both written and oral skills. Emphasis on acquiring composition skills. Readings from collections of short stories. Prerequisites: German 201,202, four years of high school German or equivalent.

**#GERM 302. German Composition and Conversation II****3 Credits**

Continuation of German Composition and Conversation I with greater emphasis on conversational skills and use of colloquial German. Readings from German texts, both literary and topical. Prerequisite: German 301.

**GERM 320. Independent German****1-6 Credits**

Department approval. Repeatable. Prerequisites: German 301, 302 or equivalent.

## GREEK

### **#GREE 101, 102. Introduction to Greek**

**3 Credits**

Basic elements of grammar and syntax, culminating in graded passages for translation.

### **GREE 402. Directed Readings in Scriptural Greek**

**3 Credits**

Study of Koine dialect as distinct from Attic Greek illustrated through passages from New Testament.



## HEALTH EDUCATION

Requirements for a Health Education Minor or Second Teaching Area which includes the requirements for the K-6 or 7-/2 Health Endorsement: Biology 201; Health Education 201,203, 205, 301,303; Physical Education 206, 340; Psychology 201, 205; Sociology 321. Education courses required for teaching are found in the Department of Education section of the catalog (pages 109-111).

### COURSE DESCRIPTIONS

#### HEALTH EDUCATION

**HED 201. Health Education****2 Credits**

Study of personal and community health, including emotional health, disease prevention, drug use, and sexuality.

**HED 203. Consumer Health****2 Credits**

Study of the use and purchase of health-related goods and services with emphasis on recognition of quackery and consumer protection strategies.

**HED 205. Community and Public Health Concepts****2 Credits**

Overview of public and community health systems and programs with emphasis on protection and care of the individual and family, funding, resources and careers.

**HED 301. Organization and Administration of the School Health Program****2 Credits**

Introductory course for school personnel in the conceptual structure of the effective organization and administration of health science instruction, school health services and healthy school environment.

**HED 303. Methods and Materials in Health Education****3 Credits**

Concepts of program design, development, delivery and evaluation to include analysis of objectives and content, construction of teaching modules, selection of aids and resources and application of assessment and evaluation.

## HISTORY

Requirements for a Major: History 105, 106, 201, 202, 390, and 15 additional semester credits of History above the freshman level.

Requirements for a Minor: History 105, 106, 201, 202 and three additional semester credits of History above the freshman level.

Requirements for a Teaching Major: Students majoring in History and expecting to qualify for a certificate to teach History on the secondary level are required to take History 105, 106, 201, 202, 390, and 18 additional semester credits above the freshman level. The remaining credits should include a minimum of nine credits from courses which deal with the history of the United States and a minimum of nine credits from courses which deal with world history. Students are encouraged to take courses from other related areas but especially from the other social sciences. It is necessary to maintain a grade-point average of 3.00 in History with no grade lower than a "C". Education courses required for a teaching major are found in the Department of Education section of this catalog (Pages 109-111).

## COURSE DESCRIPTIONS

### HISTORY

#### **#HIST 105. World Civilization To 1500**

**3 Credits**

Major historical developments from earliest times to the beginning of the modern period.

#### **#HIST 106. World Civilization Since 1500**

**3 Credits**

Major historical developments from the beginning of the modern period to the present.

#### **#HIST 201. United States To 1865**

**3 Credits**

Survey of United States history from the beginnings to the Civil War.

#### **#HIST 202. United States Since 1865**

**3 Credits**

Survey of United States history from the Civil War to the present.

#### **HIST 213. Statistics for the Social Sciences**

**3 Credits**

Interdisciplinary course on how and why social scientists use statistics to describe and interpret information they gather. Lecture and laboratory periods. Prerequisites: introductory course in Major field; Mathematics 121 or passing grade on screening tests. (Same as Criminal Justice 213, Political Science 213, Psychology 213, Sociology 213)

NOTE: the remaining history courses should not be taken by freshmen.

#### **#-WI-HIST 307. History of Christianity: Early and Medieval**

**3 Credits**

The Church and Western society in the early and medieval periods. (Same as Theology 307)

#### **#-WI-HIST 308. History of Christianity: Reformation and Modern**

**3 Credits**

The Church and society from the Reformation through the modern age. (Same as Theology 308)

#### **HIST 309. The Ancient Middle East and Greece**

**3 Credits**

Origin and development of civilization in Mesopotamia and Egypt; history and culture of Greece and the Eastern Mediterranean through the Hellenistic period.

#### **HIST 310. Ancient Rome**

**3 Credits**

Origin and development of civilization in Rome through the Republic and Empire.

#### **#HIST 317. The Middle Ages: 300 to 1300**

**3 Credits**

Europe from the end of the Western Roman Empire to the beginnings of the national monarchies.

#### **HIST 319. The Renaissance and the Reformation**

**3 Credits**

Europe from the development of national monarchy to the end of wars of religion.

#### **HIST 330. Studies in Ancient or Medieval History**

**3 Credits**

Western history of the ancient or medieval periods. Topics may include religious revolutionary movements, medieval social history, medieval Europe and Byzantium.

**HIST 336. Early Modern Europe: 1650 To 1850****3 Credits**

Old Regime Society and the Enlightenment. Industrialization of Europe and the revolutionary movements.

**#HIST 338. Contemporary World: 1850 To Present****3 Credits**

Major trends since late 19th Century: Imperialism, the world wars, fascism, the cold war, Third World developments.

**HIST 352. Studies in Modern European History****3 Credits**

From seventeenth to twentieth century. Topics and approaches determined by students and faculty involved. Topics may include twentieth century revolutions, Nazism and war.

**HIST 355. Religion in America****3 Credits**

Religion as a force in America with emphasis on Puritanism, the Enlightenment, civil religion, revivalism, denominationalism and fundamentalism. (Same as Theology 355)

**HIST 357. Catholicism in America****3 Credits**

A study of the history of the Catholic Church in America with special emphasis on the lives of Catholic people. (Same as Theology 357)

**#HIST 358. Social Change in America 1880-1980****3 Credits**

Focuses on the transformation from a rural to an urban-industrial society, the changes in the middle and working class life, and the emergence of consumer capitalist, social and cultural formations.

**HIST 359. Economic History of the United States****3 Credits**

Development of the American economy, with emphasis on industrialization as related to both business and labor. (Same as Economics 315)

**HIST 360. Revolutionary America: 1776-1836****3 Credits**

The beginnings of the new nation and its coming of age.

**HIST 361. Civil War Era: 1840-1877****3 Credits**

A study of the issues that led up to the Civil War and the society created in postwar America.

**HIST 362. Early 20th Century America: 1900-1940****3 Credits**

America from Progressivism through the New Deal. Includes World War I and the Roaring Twenties.

**HIST 363. United States Since World War II****3 Credits**

America's rise to world power and the ramifications at home and abroad.

**#HIST 366. Minorities in America****3 Credits**

Historical, cultural, and sociological aspects of groups in society characterized by discrimination and lack of power. Includes Native American, Black Americans, Spanish-speaking American, Immigrant groups and Women. Prerequisite: Sociology 101 or permission of Instructor (Same as Sociology 366)

**HIST 367. Studies in American History****3 Credits**

The United States from colonial beginnings to the present. Topics may include American urban history, American social history, history of Iowa.

**HIST 370. African History: Colonial and Modern****3 Credits**

History of Africa from partition in the 19th century to present.

**#HIST 378. History of Latin America Since 1824****3 Credits**

Survey of Latin American Republics since independence with emphasis on political, economic and social influences during the twentieth century.

**HIST 380. Studies in Latin American or African History****3 Credits**

History of Latin America or Africa.

**#HIST 383. Far East Since 1840****3 Credits**

History of modern China and Japan, with emphasis on Western impact and Eastern response.

**#HIST 385. The Modern Middle East****3 Credits**

History of the Middle East and North Africa during the Islamic period. Origins of Islam, its development through the Ottoman era, with major emphasis on twentieth century.

**WI-HIST 390. Historiography****3 Credits**

Introduction to historical method. Emphasis on doing history through readings and project work. For History majors in their Junior or Senior year.

**HIST 391. Independent Study****1-3 Credits**

Directed individual. reading, research and writing on a topic approved by the Department. Open only to Junior and Senior History Majors. Prior approval by Instructor and the Department Chair required before registering. Prerequisite: History 390.

**HIST 393. Directed Readings in History****1-3 Credits**

Readings in areas of historical interest not provided by other history courses. - Open only to Junior and Senior History Majors with prior approval of Instructor and Department Chair.

**HIST 395. Methods of Teaching Social Studies****3 Credits**

Development of basic concepts in social sciences taught in elementary schools. Examines methods such as inquiry and problem-solving. Several projects, including unit and lesson planning, are required. Prerequisites: Education 205 and 304. (Same as Education 395)

## INDUSTRIAL ENGINEERING

### The Program

The Ambrose Institute of Industrial Engineering, an affiliate of St. Ambrose University, offers a four year program leading to a Bachelor of Science in Industrial Engineering (B.S.I.E.) degree. The courses and Curriculum are designed for the decade of the nineties and beyond and give particular emphasis to automation system design, robotics and productivity. Modern technological developments such as the application of computers in design, manufacturing, and process planning are stressed. The part played by human resources in achieving higher productivity is given major consideration.

You are required to obtain practical experience in the field while pursuing a degree in Industrial Engineering. The following practical experience alternatives are offered:

#### 1. Part-time Employment

Students working part-time in Industrial Engineering-related positions may be given credit toward this requirement.

#### 2. Cooperative Program

A cooperative education program may be available for qualified students who want to become involved in a structured plan of alternating semesters of work and academic study. A student qualifies after completing the first year of study with a grade-point average of 2.50 or more on a 4.0 scale. Students dropping out of the program are not eligible for reentry. The cooperative education program generally adds one year to the total degree program.

#### 3. Senior Year Project

Students in Industrial Engineering who have not participated in a cooperative program or have not experienced part-time employment may fulfill the practical experience requirement by successful completion of a senior year project--course in which problem-solving skills are applied in actual organizations.

#### Employer Sponsored Work Study Programs

The Industrial Engineering Program is offered via both day and evening classes to allow employed persons to enroll in courses. Many employers provide tuition reimbursement for employees who successfully complete college courses. Part-time and work/study students are not expected to complete the program in four years. The sequence in which their courses should be taken will be determined by their faculty advisors.

#### Accreditation And Standards

The Industrial Engineering program is designed in consideration of the accreditation criteria of the Accrediting Board of Engineering and Technology, Inc. (ABET).

#### Admissions Requirements

The general St. Ambrose University admissions requirements listed in this catalog apply to the Industrial Engineering program.

If you enter the Ambrose Institute of Industrial Engineering directly from high school, you should have completed one and one-half units of Algebra, one unit of Plane Geometry and one-half unit of Trigonometry. High school Physics and Chemistry are recommended for all applicants.

Applicants who want to pursue the Bachelor of Science in Industrial Engineering Degree on a part-time basis, or who want to take courses on a non-degree basis may be admitted if they have a high school diploma or have earned a High School Equivalency Certificate. Applicants should send a copy of their high school record to the St. Ambrose University Office of Admissions before registration unless they have completed 30 or more semester credits (45 quarter term credits) through collegiate studies. Transcripts from each college or university attended should be sent to the Office of Admissions before registration.

Requirements for a Bachelor of Science Degree in industrial Engineering: 32 semester credits, including Industrial Engineering 110, 220, 290, 295, 300, 302, 304, 315, 335, 340, 350, 351, 375, 415, 450 490; six semester credits from Industrial Engineering 303 or 310 or 312; Economics 201 or 202; Chemistry 103 or 105; Computer Science 210; English 101, 216 or 217; Literature; Language; four semester credits in the Arts; Speech 101 or 203; Mathematics 191, 192, 280, 300, 291 or 301, 390, 391; nine semester credits in Philosophy/Theology, including 207 or 305; Physical Education 149; Physics 251, 253, 306; Psychology 105; Psychology 333 or Business 320; History 105 or 106 or 201 or 202; I.E. 201, 301, 401.

The three Industrial Engineering Seminars, 0 credits, are required by all Industrial Engineering majors and are to be taken as first semester sophomores, juniors and seniors.

In order to graduate with a Bachelor of Science in Industrial Engineering degree, a minimum grade-point average (GPA) of 2.50 must be earned for all semester credits used to satisfy the course requirements shown above (including a minimum GPA of 2.00 in the subset of requirements which includes MATH 390, 391 and all I.E. prefixed course numbers). A minimum GPA of 2.00 must be earned in combination of semester credits at St. Ambrose University and attempted transfer credits. In addition, MATH 191 and 192, or their equivalents, must be completed with a grade of "C", or better, in each course.

## COURSE DESCRIPTIONS

### INDUSTRIAL ENGINEERING

#### **I.E. 201, 301, 401. Industrial Engineering Seminar**

**0 Credits**

Three seminars are required for all industrial engineering students--at approximately first semester sophomore, first semester junior and first semester senior level in the industrial engineering curriculum. Each seminar offering will be unique and will feature guests who are experienced in or are associated with engineering activities. These seminars as intended to provide career preparation information for the industrial engineering student in regard to the professional activities of practicing industrial engineers. Subjects of discussion may include such topics as typical industrial engineering on-the-job-activities, the engineering challenge, professional ethics, professional societies, professional engineering registration, career opportunities, computer and automation impact, etc. Prerequisite: Industrial engineering students.

#### **IE 110. Engineering Graphics**

**3 Credits**

The graphic solution of space problems involving points, lines and planes, geometric construction, orthographic and pictorial representation, auxiliary views, sectioning, dimensioning and basic engineering symbols. Not applicable as a science elective. (Same as Engineering 110)

#### **IE 220. Engineering Statics**

**2 Credits**

Vector and scalar treatment of forces. Resultants, equilibrium friction, centroids, moments and products of inertia, external and internal forces. Applications to pulleys, trusses, frames, beams, friction. Prerequisites: Mathematics 192 and Physics 251. (Same as Engineering 220)

#### **WI-I.E. 290. Industrial Engineering Problem-Solving with Microcomputers**

**3 Credits**

Application of microcomputers to solve a variety of industrial engineering problems. Includes use of packaged programs as well as designing programs for specific applications. Students receive "hands on" experience on laboratory computers and become familiar with modern engineering algorithms and problem-solving techniques. Prerequisites: Computer Science 210.

#### **IE 295. Manufacturing Materials and Processes**

**3 Credits**

Fundamentals of manufacturing processes including rounding processes, machining, forming, and assembly. Characteristics of basic materials including ferrous and nonferrous metals, plastics, and other materials. Instruction includes classroom and field trips.

#### **IE 300. Industrial Engineering Methods**

**3 Credits**

Measurement and analysis of work systems. Ergonomics and the environmental, physical, and psychological aspects of work. Work measurement techniques including time study, and

predetermined time systems. Classroom and laboratory experiences are utilized in instruction. Prerequisites: Industrial Engineering 295, or consent of Instructor.

**IE 302. Engineering Dynamics****3 Credits**

Dynamics and kinematics of particles and rigid bodies in rectangular, polar, and spherical coordinates. Work-energy and impulse-momentum theories for rigid body motion. Oscillations of particles and systems. Applications to engineering systems. Prerequisites: Industrial Engineering 220 and Mathematics 192. (Same as Engineering 302)

**IE 303. Strength of Materials****3 Credits**

Plane stress, plane strain, stress-strain relationship, and elements of material behavior. Elements of stress and deformation analysis applied to members subject to centric, torsional, flexural and combined loadings. Elementary considerations of theories of failure, buckling, repeated and impact loads. Prerequisites: Mathematics 192 and Industrial Engineering 220. Same as Engineering 303)

**IE 304. Design Fundamentals for Industrial Engineers****3 Credits**

Introduction to the process of engineering design. Application of this process via student projects which are related to industrial engineering functional areas. Prerequisites: Industrial Engineering 290 and 300, Mathematics 192 and junior status in Industrial Engineering or consent of the instructor.

**IE 310. Materials Science****3 Credits**

Crystal structure and mineralogy, imperfections and bondings in solids, relation of structure to properties. Mechanical, electrical, and thermal behavior of materials. Mechanisms of deformation and transformation. Prerequisites: Mathematics 191, Chemistry 103 or 105, and Physics 251. (Same as Engineering 310)

**IE 312. Thermodynamics****3 Credits**

Introduction to classical and quantum statistics; thermodynamic laws, energy, entropy and equilibria, cyclic and noncyclic processes; applications to chemical and engineering problems. Prerequisites: Physics 251 and Mathematics 192. (Same as Physics 321 and Engineering 312).

**IE 315. Engineering Economy****3 Credits**

Evaluation of private and public sector project alternatives in quantitative and qualitative terms. Cost/benefit analysis. Time value of money and application of this concept to evaluation of economic feasibility and alternatives, including payback, present value, and return on investment. Prerequisites: Industrial Engineering 295 and Mathematics 192, or consent of Instructor.

**IE 335. Quality Control and Reliability****3 Credits**

Introduction to Total Quality Control Management. Statistical quality control methods and systems useful for analyzing and controlling product quality in industrial and business settings. Design of inspection plans for various quality characteristics. Statistical quality control including acceptance sampling and process control charts. Introduction to reliability. Prerequisites: Industrial Engineering 295 and Mathematics 300, or consent of Instructor.

**IE 340. Occupational Safety and Health****3 Credits**

This course provides a fundamental survey of occupational safety and health principles and techniques which will aid students recognizing, evaluating, and controlling occupational safety and health risks. Prerequisite: Industrial Engineering 295, or consent of Instructor.

**IE 350. Operations Planning, Scheduling and Control****3 Credits**

Addresses those activities in an organization that are directly related to producing goods or providing services. Planning, execution and control of functions are examined. The focus is on organizational processes in which people, capital and material (inputs) are combined to produce services and goods (outputs). Such processes may be found in banks, factories, stores, hospitals, etc. Subjects include forecasting, capacity planning, operations design, scheduling and quality control. Prerequisites: Industrial Engineering 300, or consent of Instructor.

**WI-IE 351. Industrial Engineering Design Laboratory****3 Credits**

A laboratory course in which the student designs planned systems or procedures in a laboratory setting. Projects may include typical industrial engineering topics such as work methods and

design, facilities layout, simulation, etc. This is a writing intensive course. Prerequisites: Industrial Engineering 300, 315, 335, 350 or permission of Instructor.

**IE 375. Computer-Aided Manufacturing Systems****3 Credits**

Theory of feedback control systems and computer control of processes. Classroom, laboratory, and field experiences in NC, DNC, CAD/CAM and robotics. Prerequisites: Computer Science 210, Industrial Engineering 300, or consent of Instructor.

**IE 415. System Integration and Design****3 Credits**

The systems integration process-planning, design, implementation and control. Student projects which apply this process to industrial engineering functional areas. Prerequisite: Industrial Engineering 304 and junior status in industrial engineering or consent of instructor.

**IE 450. Professional Experience****3 Credits**

The student is exposed to the working environment in an industrial engineering or related area in business and industry, government, the military, hospitals, education or similar functional activity which uses design and/or problem solving exercises. This exposure may be obtained through suitable reimbursable work experience. If the student doesn't have such experience, then he/she must register for this course and will be given an assignment to complete, with industrial engineering faculty advisor assistance, a significant industrial engineering project with local industry or an on-campus project. Prerequisites: Senior status in Industrial Engineering or approval by the Director of the Ambrose Institute of Industrial Engineering.

**IE 490. Industrial Engineering Senior Design Seminar****3 Credits**

A significant project involving design or re-design of an operational product, process or procedure in either an industrial or a service setting. As a minimum, students will consider objectives and criteria, resources, interface with other functional areas, constraints, alternatives and operational specifications. A written report will be prepared by the student. Prerequisite: Senior status in Industrial Engineering or approval by the Director of the Ambrose Institute of Industrial Engineering.



## INTERDISCIPLINARY PROGRAMS

### CATHOLIC STUDIES

Certificate program or Interdisciplinary Minor Requirements for a Certificate or Interdisciplinary Minor in Catholic Studies: A minimum of 19 semester credits, including History 307, 308; Theology 404, 411 (Interdisciplinary Seminar in Catholic Studies with student presentation and defense of research projects); three additional courses (7 to 9 semester credits) from at least two of the following: Art 314 or 315; English 201, 301, 331; History 357; Music 310; Philosophy 316; Theology 202, 219, 362.

Entry procedure for Catholic Studies Minor A course of study should be worked out with your advisor, and this will be submitted to the Coordinator of the Catholic Studies Program for approval.

### GENERAL SCIENCE

Requirements for a Teaching Major (7-12): 36-38 semester credits in the Natural and Mathematical Sciences, including Biology 103, 104; Chemistry 105, 106; Physics 203, 204; 6-8 semester credits of science electives; Mathematics 151 and Computer Science 120. Completion of a teaching minor in one of the following departments: Biology, Chemistry, Mathematical Sciences or Physics, Engineering and Astronomy. Suggested electives: Astronomy 201; Biology 202, 209; Natural Science 202; other courses in the sciences may be substituted if approved by the major department involved. Education courses required for a teaching major are found in the Department of Education section of the catalog (Pages 109-111).

### PEACE AND JUSTICE PROGRAM

Requirements for Interdisciplinary Minor in Peace and Justice: 18 semester credits including Theology 362, Philosophy 343 or Criminal Justice 303. Philosophy 301 (Interdisciplinary Seminar in Peace and Justice with Student presentations and defense of research projects); and nine semester credits in courses related to Peace and Justice selected from at least two different departments. A concentration in food and land use issues allows the nine semester credits of electives to be taken in the field of Agribusiness. Prerequisite: approval by the Coordinator of the Peace and Justice Minor Program.

1. Ask faculty member participating in the Interdisciplinary Minor to be your sponsor. Your Faculty Advisor may be your sponsor.
2. Prepare a proposed course of study with your Faculty Sponsor and submit it to the Coordinator of the Peace and Justice Minor Program.
3. The coordinator seeks approval of your Program by a committee composed of your Faculty Sponsor, the Coordinator of the Program and one other member of the faculty participating in the Interdisciplinary Program. Changes in your program are subject to the approval of this committee.

### WOMEN'S STUDIES PROGRAM

The Women's Studies Program at St. Ambrose University offers two options. Requirements for Interdisciplinary Minor in Women's Studies: 18 semester credits in Women's Studies courses, including History 367; Philosophy 301; Art 310 or English 209 or Sociology 370; and nine semester credits in other Women's Studies courses.

Requirements for a Non-Degree Certificate Program in Women's Studies: 21 semester credits in Women's Studies courses, including History 367; Philosophy 301; Art 310 or English 209 or Sociology 370; and 12 semester credits in other Women's Studies courses.

## LATIN

### #LAT 101, 102. Introduction to Latin

**3 Credits**

Designed to develop accuracy in translation. Emphasis on grammatical structure, syntax and graded reading of prose selections.

## LEARNING SKILLS

### **LS 090. Pre-College Reading and Study Skills**

**3 Credits\***

A reading and study skills class required of students who place below a certain level on the Nelson Denny Test. It emphasizes listening skills, vocabulary skills, textbook reading skills, effective memory techniques and how to be a better overall reader. The student enrolled in this course will enroll in LS 100 in the spring semester at the recommendation of the instructor,

\*Institutional credit only. This will satisfy financial and eligibility requirements. A competency level of "C" is required before a student may enroll in a higher level course.

### **LS 100. College Reading and Study Skills**

**3 Credits**

Develops effective college-level reading skills including vocabulary-enrichment, increased comprehension, concentration and recall. Introduces and facilitates those study skills which characterize successful academic behavior, including listening, note-taking, test-taking, studying, and time management skills. Offers analytical reasoning and problem-solving as aspects of the learning process and the use of writing as a mode of understanding text. Elective credit only. A competency level of "C" is required before a student may enroll in a higher level course.

### **LS 201, 202, 203. Advanced College Reading**

**3 Credits**

(one credit for each course). This is a three credit course which is offered in the Spring semester. It is divided into three five week one hour courses in I Vocabulary, II Rate and Comprehension and III Critical Reading. This class includes intensive work in advanced vocabulary, introduces strategies for increasing reading rate and flexibility, and enables the student to improve his/her ability to analyze and criticize texts. Students may enroll in one, two, or all three segments of the course.

### **LS 399. Supplemental Instructor**

**2-4 Credits**

Supplemental Instructor: Student will serve as a supplemental instruction leader for a designated course. Enrollment only permitted by the SI supervisor.

## MANAGEMENT INFORMATION SYSTEMS

Requirements to earn a Management Information Systems major: Foundation Courses: Accounting 201, 202; Business 205; Computer Science 120; Economics 201, 202; English 216 or 217 or 316; Mathematics 151; Philosophy 305; Psychology 105; Sociology 101; Speech 101 or 329

Core Business and Economics Courses Business 301, 302, 303, 305, 309, 310, 321, 350; Economics 312, 313

Management Information Systems Major Management Information Systems 220, 280, 300; any three of the following: Management Information Systems 295, Mathematics 390, approved Computer Science elective, approved Management Information Systems elective

### COURSE DESCRIPTIONS

#### MANAGEMENT INFORMATION SYSTEMS

##### **MIS 220. Introduction to Business Application Programming with COBOL** **3 Credits**

Introductory course in program design and development using the COBOL Language. In addition to the fundamental properties of the COBOL language, the student will learn how to apply a structured, multi-phase program development process that features a series of steps involving understanding of a problem, formal problem definition, graphic design methodologies, and program specification through pseudocode. Prerequisite: Computer Science 120 or permission of Instructor. (Same as Computer Science 220.)

##### **MIS 280. Intermediate Business Application Programming with COBOL** **3 Credits**

This course forms a continuity with Introduction to COBOL. At this level, the students write programs for more advanced reporting and study the application language instruction set in more detail. Prerequisites: Computer Science 120 and Computer Information Systems 220 or permission of Instructor. (Same as Computer Science 280.)

##### **MIS 295. Microcomputer Applications In Business** **3 Credits**

This course provides a survey of the major microcomputer needs in business and the hardware and software which meet those needs. Emphasis is on microcomputer hardware and software from the perspective of the individual user. The course reviews popular and standard software packages available to the microcomputer user. Prerequisite: Computer Science 120 or permission of Instructor.

##### **WI-MIS 300. Systems Development Methodologies** **3 Credits**

This course deals with traditional analysis, design, and implementation through the data flow analysis and systems development life cycle approach. Prerequisite: Computer Information Systems 280.

##### **MIS 320. Advanced Office Systems and Information Center Functions** **3 Credits**

This course puts a perspective on the needs, potentials, and urgencies of systems to support modern office functions. It also stresses information center methods for building systems in direct collaboration between users and analysts. Material covered includes techniques to replace traditional, life-cycle development methodologies. Hardware and software tools are also introduced as well as 4GL languages. Prerequisites: Computer Information Systems 280 and 300.

##### **MIS 360. Computer Hardware, System Software, and Architecture** **3 Credits**

This course presents a functional, systems-level review of computing equipment and the organization of components and devices into architectural configurations. Also emphasized are the principles of system software. Prerequisite:

##### **MIS 395. Advanced Microprocessor Applications for Business** **3 Credits**

Advanced microprocessor applications provides the student with hands-on experience in specialized software application packages in finance, economics, marketing, and general accounting. The student is also expected to develop complete prototype studies for business problem solving. Prerequisite: Management Information Systems 295 or permission of instructor.



## **MANAGEMENT SCIENCE**

Requirements for a Management Science Major Mathematics 191, 192, 300, 301, 390, 391;  
Computer Science 220, WI-360; Accounting 201, 202; Business Administration 310, 332;;  
Economics 201; Industrial Engineering 300, 335, 350; Management Information Systems 295

## MASS COMMUNICATIONS

Mass Communications Major Core Requirements Mass Communications 205, 225, 232, 322, 324, 403. All Mass Communications Majors must complete at least one of the following concentrations: Radio/Television, Journalism or Advertising/Public Relations.

Radio/Television Concentration Requirements Mass Communications 323, 330 or 334, 335, 337, 338, 339; Art 233; Economics 201,202, Business Administration 310, 330, 309 or 311 or 320; Philosophy 325; Sociology 101.

Journalism Concentration Requirements Mass Communications 323, 330, 331,324; Art 233; Economics 201,202, 309, 311,330; English 216; Philosophy 325; Sociology 101.

Advertising/Public Relations Concentration Requirements Mass Communications 323, 340; Speech 306, 327; Art 231,233; Economics 201,202, Business Administration 309, 310, 311; English 216; Philosophy 325; Sociology 101.

Corporate Communication Minor Requirements Mass Communications 225, 330, 340; Speech 327, 329; One of the following: Mass Communications 323, 331,334; and one of the following: Business Administration 311,328, 347 (BUS 347 has prerequisites of ECON 201, 202, and BUS 309), and 348.

## TRANSFER STUDENTS IN MASS COMMUNICATIONS

Four-Year Colleges and Universities St. Ambrose accepts up to 25 semester credits of courses in any one of the Mass Communications Sequences in transfer (with the exception of Mass Communications 390, 391,399) applied toward a major in Mass Communications, provided that the courses are equivalent in content to those taught at St. Ambrose.

Two-Year Colleges: St. Ambrose accepts up to 25 semester credits of first and second year courses (100 and 200 coded courses at St. Ambrose) in any one of the Mass Communications Sequences applied toward a major in Mass Communications, provided that the courses are equivalent in content to those taught at St. Ambrose with the exception of Mass Communications 390, 391,399.

## COURSE DESCRIPTIONS

### MASS COMMUNICATIONS

#### **MCOM 200. Introduction to Careers in Advertising and Public Relations 1 Credit**

Introduction to basic concepts of advertising and public relations; focus on technique and organizational development.

#### **MCOM 205. Survey of Mass Communications**

**3 Credits**

History of media, regulation of the industry, theories basic to broadcasting in America. Introduction to equipment of radio and television.

#### **MCOM 225. Survey of Desktop Communications**

**3 Credits**

Survey of the components that make up desktop communications the hardware and software, the technology and the terminology, the input devices and the output devices as applied and used in the areas of broadcasting, public relations, and advertising, Prerequisites: Mass Communications 205 and experience using a personal computer. Recommended: Art 100, 206, 231.

#### **MCOM 232. Mass Communications and Society**

**3 Credits**

Study of ethics, rights, responsibilities and the place of mass media in social change and social planning.

#### **MCOM 233. Stereotyping in the Mass Media**

**3 Credits**

A study of stereotyping in the past and present mass media with the emphasis on the present. The course will examine the history and social significance of stereotyping.

**MCOM 322. Radio Production****3 Credits**

Tools and techniques of radio programs. Students use modern studio facilities of KALA-FM to produce programs for evaluation or broadcast. (May be taken only with permission of Instructor.)

**MCOM 323. Writing Commercial Copy****3 Credits**

Study and practice course in planning and writing commercials, dramatic and non-dramatic radio and television materials, including practical print and electronic media techniques.

**MCOM 324. Television Production****3 Credits**

Theory and intense studio practice in all phases of television production, culminating in closed-circuit presentation and recordings of student created programs subject to critical evaluation. Prerequisite: Mass Communications 322, or permission of Instructor.

**MCOM 329. Print News Practicum****1-6 Credits**

Supervised experience in print journalism working with "The Buzz", 1-3 credits each semester not to exceed 6 credits toward graduation. Permission of instructor required.

**MCOM 330. Newswriting****3 Credits**

The practice of basic newswriting technique and an introduction in all areas of reporting on a daily newspaper.

**MCOM 331. Feature Writing and Editing****3 Credits**

Experience in beat reporting, exploration of depth reporting and features, and an introduction to the New Journalism. Prerequisite: Mass Communications 330.

**MCOM 334. News Broadcasting****3 Credits**

Preparation and presentation of news broadcasts. Editing radio news, use of video tape and other visuals, and performance in television newscasts. (May be taken only with permission of Instructor) Prerequisite: Mass Communications 322.

**MCOM 335. Laboratory Work on KALA-FM****3 Credits**

Supervised practice in various departments of College FM radio station, KALA, from preparation of program log to on-the-air work. Prerequisite: Mass Communications 322, or consent of Instructor.

**MCOM 337. Television Laboratory I****2 Credits**

Students work on Ambrose Television Center programs, help with productions where limited television experience is required, are assigned crew positions and have opportunities for on-the-air experience in all phases of studio and remote production. Prerequisite: Mass Communications 324, or permission of Instructor.

**MCOM 338. Television Laboratory II****2 Credits**

Advanced practical experience offered in studio and remote programs produced by Ambrose Television Center. Students work as floor directors, camera operators, news photographers, announcers, tape editors, directors, producers, and as audio, video and lighting technicians. Prerequisites: Mass Communications 324, 337, or permission of Instructor.

**MCOM 339. Broadcast Technologies****3 Credits**

User/operator/manager-oriented course in present and future technologies for communications industries. Advanced desktop communications techniques are included Prerequisites: Mass Communications 225, 322, 324. Physics 160 recommended.

**MCOM 340. Survey of Public Relations****3 Credits**

History of Public Relations as developed in various organizations. Practices, procedures and duties of Public Relations personnel. How communication fulfills the Public Relations function in the environment in which the organization exists.

**MCOM 354. Advanced Broadcast Reporting****3 Credits**

Supervised experience developing, researching, writing and presenting campus and local news. Students will function in class as Beat Reporters for either KALA-FM or TV-11. Prerequisite: Mass Communications 334.

**MCOM 390, 391. Independent Study in Mass Communications****1-2 Credits**



A student may register for such study for either one or two credits in any given semester, and may repeat the course for not more than a total of two credits. Prerequisite: Permission of instructor. (No more than four credits may count towards the total credits required for graduation.)

**MCOM 399. Internship in Mass Communications****2-5 Credits**

Intensive work experience with professional supervision in the fields of commercial Radio, Television, Advertising, Advertising-Graphic Arts, Public Relations, and Journalism. Prerequisite: Permission of the instructor and Department Chairman. (No more than five credits may count towards the total credits required for graduation.) Regular Grade Option or Pass/No Pass.

**WI-MCOM 403. Seminar in Communications****3 Credits**

Offered for advanced student with interests in a particular problem, topic or methodology. Content changing from semester to semester in response to student needs and faculty interests. Prerequisite: Permission from Mass Communication advisor. Advanced students from other disciplines can be nominated by their departments as well.

## MATHEMATICS

Requirements for a Bachelor of Arts with a Major in Mathematics: 32 semester credits in Mathematics including Mathematics 191,192, 290, 300, 370, 380 and four courses from:301, 320, 330, 350, 360, 371, 381, 390, 391; six semester credits in Computer Science.

Requirements for a Bachelor of Science with a Major in Mathematics: 36 semester credits in Mathematics including Mathematics 191,192, 290, 291,300, 370, 380; four courses from: 301, 320, 330, 350, 360, 371, 381, 390, 391; nine semester credits in Computer Science.

Requirements for a Minor in Mathematics: 20 semester credits in Mathematical Sciences including at least 11 semester credits in Mathematics at the 191 level or above, six semester credits in Computer Science.

## MATHEMATICS EDUCATION

\*Requirements for a Bachelor of Arts with a Major in Mathematics Education: 29 semester credits in Mathematics including Mathematics 191,192, 290, 300, 340, 350, 360, 380 and three semester credits in Mathematics electives.

\*Requirements for a Bachelor of Science with a Major in Mathematics Education: 33 semester credits in Mathematics including Mathematics 191, 192, 290, 291,300, 340, 350, 360, 380 and three semester credits in Mathematics electives; nine semester credits in Computer Science.

\*Requirements for a Secondary Teacher's Certificate with a Minor in Mathematics: 26 semester credits in Mathematical Sciences including Mathematics 191, 192, 290, 300, 340, 350, 360, and three semester credits in Mathematics electives; three semester credits in Computer Science.

\*Education courses required for a teaching major are listed in the section on Department of Education (Pages 109-111).

## COURSE DESCRIPTIONS

### MATHEMATICS

#### **MATH 100. Fundamentals of Mathematics**

**3 Credits**

Designed to isolate, diagnose and overcome weaker areas of a student's mathematics background. Offers short review of arithmetic and extended study of elementary algebra. Students should enroll only if enrollment is indicated by placement test results. Fulfills credits towards 120 hour requirement, but cannot be used to fulfill general education requirements. Credit for this course may not be used toward the 120 semester credit requirement once credits have been earned for Mathematics 121 or a higher-level mathematics course. A competency level of "C" is required before the student may enroll in a higher level course.

#### **#MATH 110. Math for the Liberal Arts**

**3 Credits**

A survey of topics in applied mathematics stressing the connections between contemporary mathematics and modern society. Topics include management science, statistics and probability, geometry, and social choice. The course meets general education requirement in the area of mathematics. It may not be used to meet prerequisites for Mathematics 151. Prerequisite: Mathematics 100 or equivalent score on placement test.

#### **#MATH 121. Intermediate Algebra**

**3 Credits**

Sets, the number-line, properties of real numbers, algebraic operations, linear equations and inequalities, factoring, rational expressions and equations, radical expressions and equations, quadratic equations. Prerequisite: Mathematics 100 or appropriate score on mathematics placement test.

#### **MATH 152. College Algebra**

**3 Credits**

Functions, relations, coordinate systems. Properties and graphs of elementary functions including polynomials, logarithmic and exponential functions. Elementary manipulations of matrices and determinants. Systems of linear equations and their solution methods. Linear programming models

and their solutions. Sequence and series of real numbers. Prerequisite: Mathematics 121 or appropriate score on mathematics placement test.

**MATH 152. Trigonometry****2 Credits**

Elementary trigonometric functions and their graphs. Trigonometric identities. Inverse trigonometric functions and their graphs. Applications of trigonometric functions in Calculus. Prerequisite: Mathematics 151 concurrent registration, or two units of high school algebra.

**MATH 160. Mathematics for Management and Economics****3 Credits**

For pre-Master of Business Administration students. Functions, graphs of elementary functions, matrices and determinants, systems of linear equations. Emphasis on applications to management, decision-making and economics. Prerequisites: Mathematics 121 or equivalent, and approval of Dean of the Master of Business Administration Program and Chair of the Department of Mathematical Sciences.

**MATH 191. Calculus and Analytic Geometry I****4 Credits**

Functions of single variables; limits, continuity, differentiability, and integrability. Applications of limit, derivatives, differentials, and integrals to solutions of physical and social problems. Prerequisite: Mathematics 151 and 152 or appropriate score on mathematics placement test. Mathematics 152 may be taken concurrently.

**MATH 192. Calculus and Analytic Geometry II****4 Credits**

Differentiation and integration of logarithmic, exponential, trigonometric functions. Techniques of integration, hyperbolic functions, polar coordinates, conic sections, improper integrals, L'Hopital's rule, Taylor's expansion, Infinite series. Prerequisites: Mathematics 191.

**MATH 210. Theory of Arithmetic****3 Credits**

Enrollments limited to candidates for elementary teaching licensures or certificates. Topics include logic and set theory, elementary numbers theory and number systems, probability and statistics, informal geometry and measurement. Prerequisite: Mathematics 121 or 1.5 units of high school algebra.

**MATH 290. Linear Algebra****3 Credits**

Matrices and systems of linear equations. Determinants. Lines and planes in three-space. Vector spaces and linear transformations. Characteristic equations and eigenvalues. Prerequisite: Mathematics 192.

**MATH 291. Calculus and Analytic Geometry III****4 Credits**

Infinite series, limits and continuity of functions of several variables, partial derivatives, directional derivatives, multiple integration, sequences and series, vectors and vector differential equations. Prerequisite: Mathematics 192.

**WI-MATH 300. Probability and Statistics I****3 Credits**

Finite probability models, random variables, important discrete and continuous distributions, descriptive statistics. Point estimation, confidence intervals and test of hypothesis. Prerequisite: Mathematics 192.

**MATH 301. Probability and Statistics II****3 Credits**

Planning and analysis of statistical data. Analysis of variance for factorial, blocked, and latin-squares experimental designs. Simple and multiple regression. Prerequisite: Mathematics 300.

**MATH 320. Ordinary Differential Equations****3 Credits**

First-order ordinary differential equations, second-order linear differential equations, series solutions, higher order linear and matrix differential equations, existence and uniqueness theorems. Prerequisite: Mathematics 290.

**MATH 330. Numerical Analysis****3 Credits**

Errors and error propagation. Numerical methods for solving equations in one variable. Solving linear systems. Introduction to nonlinear systems. Taylor polynomial approximation. Numerical integration and differentiation. Prerequisites: Computer Science 210 or 270 and Mathematics 290. (Same as Computer Science 330).

**MATH 340. Teaching of Mathematics****3 Credits**

Enrollments limited to candidates for secondary teaching certificate. Current issues, approaches, and materials in school mathematics teaching including: philosophy and objectives, curricula problems, review and evaluation of current literature. Twenty (20) clock hours are spent in area school as an Aid to a classroom teacher. Prerequisite: Mathematics 192.

**MATH 350. History of Mathematics****3 Credits**

An historical survey of mathematics and mathematicians; selected topics in important developments and contributions in mathematics. Prerequisite: Mathematics 192.

**MATH 360. Modern Geometry****3 Credits**

Euclidean and non-Euclidean systems. Axiomatic approach. Prerequisite: Mathematics 192.

**MATH 370. Real Analysis I****3 Credits**

Basic elements of real analysis for students of mathematics. Topics include limits of sequences, continuity, and metricspace. Prerequisite: Mathematics 192.

**MATH 371. Real Analysis II****3 Credits**

Continuation of Math 370. Topics include sequences and series of function, differentiation, and integration. Prerequisite: Mathematics 370.

**MATH 380. Abstract Algebra I****3 Credits**

Basic elements of abstract algebra, for students of mathematics. Topics include definitions and examples of groups, homomorphisms, direct products, and finite Abelian groups. Prerequisite: Mathematics 192.

**MATH 381. Abstract Algebra II****3 Credits**

Continuation of Math 380. Topics include definitions and examples of rings, quotient rings, fields, and field extensions. Prerequisite: Mathematics 380.

**MATH 390. Operations Research I****3 Credits**

Emphasis on deterministic models: linear, integer, and dynamic programming, Graphical, algebraic and computer solutions to real world problems. Duality of linear programming models and sensitivity analysis. Prerequisite: Mathematics 191.

**MATH 391. Operations Research II****3 Credits**

Emphasis on probabilistic models: decision theory and games, scheduling, inventory, queuing, and simulation. Solutions to real world problems developed using hand computations and computer software. Prerequisite: Mathematics 300, 390.

**MATH 400. Topics in Mathematics****3 Credits**

Selected topics in pure or applied mathematics. Offered during Spring semesters, as demand requires. May be repeated. Prerequisites: Junior or Senior status and consent of Instructor.

**MATH 490. Independent Study in Mathematics****1-3 Credits**

Reading, writing or research in mathematics. Prerequisite: Departmental approval.

**MATH 499. Internship in Mathematics****1-3 Credits**

The merging of coursework with practical training in Mathematics. Emphasis will be on how the practical experience is directly related to the course work the student has taken. Pass/Fail only. Prerequisite: Departmental approval.

**MATH 601. Topics in Mathematics Education****3 Credits**

Selected topics in mathematics education for graduate students of education and mathematics education; and for professionals in particular topics. Prerequisite: Graduate status or consent of the Instructor.

## MUSIC

Requirements for Bachelor of Arts Degree with a Major in Music: Music 110, 201, 202, 207, 208, 301,302, 307, 308, 319, 325, 326, 401, 407, 8 semester credits of applied major, 8 semester credits of major ensemble (band or choir), with participation in a major ensemble during each semester of enrollment, 2 semester credits of Music 236, two semester credits of applied piano (if piano is not the applied major), two semester credits to be selected from Music 235, 237, 238, 239, 240, and 242, twelve semester hours of foreign language, successful completion of a sight singing/ear training exam and a piano proficiency exam administered by the department, and a recital in the applied major during the senior year.

Requirements for Bachelor of Music Education Degree (K-6 and/or 7-12): Music 110, 201,202, 207, 208, 235, 237, 238, 239, 240, 301,302, 307, 308, 319, 323, 324, 325, 326,, 401,407; 8 semester credits of applied major; 8 semester credits of major ensemble (band or choir), with participation in a major ensemble during each semester of enrollment; 2 semester credits of Music 236; two semester credits of applied piano (if piano is not the applied major); successful completion of a sight singing/ear training exam; a piano proficiency exam administered by the department, and a public recital in the applied major during the senior year. Education course required for a teaching license are found on Pages (109-111).

Requirements for a Minor in Music: 8 semester credits of Music Theory, Music 325, 326, four semesters of lessons in an instrument or in voice, and participation in Chorus or Band every semester to total at least four semester credits.

## COURSE DESCRIPTIONS

### MUSIC

#### **#MUS 102. Guitar Class\***

**1 Credit**

Beginning instruction in guitar performance. No previous knowledge of guitar or music needed. For non-Music Majors only.

#### **#MUS 103 Applied Music (Voice or Instrument)\***

**1 Credit**

#### **#MUS 103 Advanced Applied Music (Voice or Instrument)\***

**1-2 Credits**

Private lessons in selected instrument or voice. Can be repeated up to 8 credits (16 for music majors). One 30-minute lesson a week for each semester hour of credit. For fees, see "Expenses" in Finance section. Prerequisite: Music 103.

\*Non-majors may use any combination of applied music or performance classes in music totaling four credits (but no more than three of either type) to apply to General Degree Requirements.

Private instruction offered in:

- a. Voice
- b. Piano
- c. Organ
- d. Violin
- e. Viola
- f. Cello
- g. String Bass
- h. Clarinet
- i. Flute
- j. Oboe
- k. Bassoon
- m. French Horn
- n. Trumpet
- p. Trombone
- q. Tuba
- r. Percussion

- s. Guitar
- t. Saxophone
- u. Baritone Horn

**#MUS 110. Music Orientation****2 Credits**

Designed to acquaint students with a listening appreciation of music, musical form, and musical history. Recommended for non-majors for partial fulfillment of requirement in the Division of Arts.

**#MUS 111. Choir\*****1 Credit**

A performing group, concentrating on major choral works of all periods. Enrollment by consent of director. A maximum of eight semester credits may be used toward a degree.

**#MUS 117. Band\*****1 Credit**

A performing group, concentrating on concert band literature. Enrollment by consent of director. Maximum of eight semester credits may be used toward a degree.

**#MUS 120. Jazz Appreciation**

Presentation and analysis of American jazz, including listener's understanding of various styles from blues to modern rock.

**#MUS 121-127. Ensemble\*****1 Credit**

Ensemble work in the following groups:

- 121. Vocal Ensemble
- 122. String Ensemble
- 123. Woodwind Ensemble
- 124. Brass Ensemble
  
- 125. Piano Ensemble
  
- 126. Jazz Ensemble
  
- 127. Percussion Ensemble

A maximum of four semester credits can be used toward a degree. Enrollment by consent of Director.

\*Non-majors may use any combination of applied music or performance classes in music totaling four credits (but no more than three of either type) to apply to General Degree Requirements.

**#MUS 200. Fundamentals of Music****2 Credits**

Notation, rhythm, major and minor scales, intervals, and triads. (For non-music Majors only.)

**MUS 201, 202. Harmony****2 Credits**

Triads, chord positions, figured bass, harmonization of melodies, cadences, dominant seventh chord and diatonic modulation.

**MUS 207, 208. Sight-Singing and Ear Training****2 Credits**

Singing, writing and auditory recognition of intervals, triads, melodies, and rhythms. Prerequisite: Practical knowledge of musical notation. Co-prerequisite: Music 201,202.

**MUS 235. Technique for Brass and Percussion Instruments****1 Credit**

Basic skills for playing brass and percussion instruments. Relates to elementary and high school classroom situations. Meets twice weekly.

**MUS 236. Technique for Piano****1 Credit**

Basic keyboard skills for classroom and personal use, including scales, chords, harmonization, sight reading, and transposition. Required for Freshmen Music Majors. May be repeated for credit.

**MUS 237. Technique for Voice****1 Credit**

Theoretical and practical aspects, such as voice classification, technical training methods, breathing, the adolescent changing voice, style, and interpretation. Meets twice a week.

**MUS 238. Technique for Woodwind Instruments****1 Credit**

Basic skills for playing woodwind instruments. Planning a course of study. Simulates classroom situations and methods. Meets twice a week.

**MUS 239. Technique for String Instruments****1 Credit**

Basic skills for playing string instruments. Planning a course of study. Simulates classroom situations and methods:

**MUS 240. Technique for Guitar****1 Credit**

Fundamentals for music education majors and elementary classroom teachers. Develops such skills as chording, harmonizing, transposing and reading of melodic lines.

**MUS 242. Piano Pedagogy and Literature****1 Credit**

Overview of methods and materials for teaching piano at all levels. Listening lectures pertaining to piano literature from 1600 to the present.

**MUS 244. Music for the Elementary Classroom Teacher****3 Credits**

Designed for elementary classroom teachers to provide materials and skills for teaching music in the classroom. Emphasis on basic theory, fundamental piano, guitar and singing. (Same as Education 244)

**MUS 301, 302. Advanced Harmony****2 Credits**

Seventh chords, dominant ninth, eleventh and thirteenth chords, sequences, non-chord tones, chromatically altered chords and chromatic modulation.

**MUS 307, 308. Advanced Sight-Singing and Ear Training****2 Credits**

Continuation of Music 207, 208. More complex melodies and rhythms, harmonic progressions, and aural perception of musical structures.

**MUS 310, Music in Liturgy****2 Credits**

Introduces student to liturgical music of the past and the present and gives a practical knowledge of how, why and when to use it. This course is intended for upper-class students or those with a previous background in church music. Prerequisite: Permission of the instructor. (Same as Theology 310)

**MUS 319. Conducting****3 Credits**

Essentials of conducting, with technique and mechanics of the baton. Literature pertaining to art of conducting. Rehearsal procedure and conducting practice. Prerequisites: Music 301,302.

**MUS 323. Music Materials and Methods****3 Credits**

Study of materials, media and methods used in teaching music in public schools. Prerequisites: Music 202, 208.

**MUS 324. Advanced Music Materials and Methods****3-6 Credits**

Directed reading, research and writing on topics approved by the Department. Taken during spring of Junior Year. Forty (40) clock hours of Junior Level Field Experience. Prerequisite: Music 323.

**WI-MUS 325. Music History and Literature--Antiquity to 1750****3 Credits**

Detailed study of the history of music and the music literature of the period. Prerequisite: Music 202.

**WI-MUS 326. Music History and Literature--1750 to Present****3 Credits**

Detailed study of history of music and the music literature of the period. Prerequisite: Music 202.

**MUS 401. Counterpoint****2 Credits**

Two, three and four-part counterpoint in five species. Invertible counterpoint at more commonly used intervals, fugue, imitation and canon. Prerequisites: Music 301,302.

**MUS 407. Form and Analysis****3 Credits**

Structural analysis of forms: binary, ternary, rondo, suite, variation, sonata, sonata-rondo, passacaglia, invention, chorale prelude, and fugue. Harmonic, thematic and rhythmic analysis. Prerequisites: Music 301,302.

**MUS 450. Independent Study in Music Theory**

**1-3 Credits**

Any student undertaking an independent study in music is assumed to have completed all previous coursework in the department successfully and to be a junior or senior music major. Prerequisite: Music Department approval.



**NATURAL SCIENCE****#NSCI 105. Introduction to Physical Science****4 Credits**

Selected concepts underlying present understanding of the physical universe. Topics include motion and Newton's Laws, energy, electricity and electromagnetism; chemical structure and reactions, and elements of astronomy and geology as time permits. Some lecture demonstration and laboratory experience is included. Prerequisite: Mathematics 121 or equivalent.

**#NSCI 201. Astronomy****3 Credits**

A basically non-mathematical description of the moon, stars and planets and theories of their origin. Two lectures and one laboratory per week. (Same as Astronomy 201)

**#NSCI 202. Earth Science****3 Credits**

Evolution of earth's landforms. Atmospheres, surface features and interior of the earth. Rocks and minerals. Plate tectonics theory. Two lectures and one laboratory period per week.

## **NEW STUDENT SEMINAR**

### **NSS 101. New Student Seminar**

**1 Credit**

A one-semester credit student success course offered for the first twelve weeks of the semester. Students learn effective time management, reading, notetaking and test-taking skills as well as information about campus resources and academic policies. Personal adjustment and career goals are also explored.

## OCCUPATIONAL THERAPY

### BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY

St. Ambrose University offers a fully accredited program for persons interested in becoming occupational therapists. The Bachelor of Science program requires the completion of a minimum of 129 semester credits, including six months of field work experience. The curriculum consists of two years of liberal education with emphasis on biological and behavioral sciences, followed by two years of coursework in occupational therapy. Students may apply for acceptance into the professional phase of the program during their sophomore year. Graduates of the program are eligible to take the national certification examination administered by the American Occupational therapy Certification Board.

#### Prerequisite Course Work\*

The prerequisite course work, that is completed at St. Ambrose University, consists of liberal education with emphasis upon biological sciences and social sciences.

<b>Science and Mathematics</b>	<b>Semester Credits</b>
Biology 101 Principles of Human Biology	4
Mathematics 151 College Algebra	3
Chemistry 103 Principles of Chemistry OR Physics 203 College Physics	4
<b>Specific Group Requirements</b>	
English 101 Composition	3
Speech 101 Public Speaking OR Speech 203 Interpersonal Communication	2
Psychology 105 Intro. to Psychology	3
Psychology 213 Stats for Soc. Science	3
Psychology 215** Research Methods	3
Psychology 305 Lifespan Development	3
Psychology 324 Abnormal Psychology	3
Subtotal of	31 Credits

\*These courses must be completed and/or enrolled in at the time of application to the program.

\*\* Students double majoring in Psychology and Occupational Therapy must take the Psychology 215 Research Methods.

#### General Education Component

An occupational therapy applicant may apply for admission into the program without completing or enrolling in 6 semester credits out of the following courses. However, all prerequisite courses and requirements for graduation must be satisfactorily completed prior to enrolling in Fieldwork Level II.

<b>General Education Component</b>	<b>Semester Credits</b>
Complete two of the Three Fine Arts: Art, Music or Theatre History	6
Philosophy 101/201/207/208/210/217	3
Theology 101/210/202/214/219/240/250	3
Philosophy or Theology	6
Foreign Language or Literature	6
Physical Education 149 PE Concepts	1
Physical Education Activity (See Gen. Ed. lists for above course selection)	1
Subtotal of	29 Credits
Total of	60 Credits*

\*This total could change if developmental courses are necessary.

Electives are recommended only if all prerequisite courses are completed. Some of the recommended areas are Physics, Sociology and Anthropology.

An Occupational Therapy major may acquire a second major in Psychology by taking an additional 8 semester credits.

#### Admissions Procedures

1. Students must obtain application forms for the Occupational Therapy Program from the Occupational Therapy Office at St. Ambrose University. Applications are available during the Fall Semester. Students must be admitted to St. Ambrose University before they can be admitted into the Occupational therapy program.
2. Students applying for admission to the Occupational Therapy program must submit their applications and any support documents to the Occupational Therapy Program Office. Students desiring consideration for Summer admission must submit all documents to the Office of Occupational Therapy at a predetermined time.
3. Student applicants are to provide a list of courses that they expect to complete prior to admission to the Occupational Therapy Program.
4. Students shall be notified of admission status in writing by the Office of Occupational Therapy in a reasonable time frame.
5. Students who choose to accept admission to the Occupational Therapy Program must notify the Occupational Therapy Office of acceptance in writing by a predetermined deadline.
6. Students are officially admitted to the Occupational Therapy Program at the time of enrollment in the professional program.

In order for students to follow the established progression of the program sequence, they must meet all prerequisites with a "C" or better before enrolling in any Occupational Therapy course. St. Ambrose University Occupational Therapy Program

#### PROFESSIONAL PHASE

Admission to St. Ambrose University does not guarantee advancement into the professional program. Students must meet the advancement criteria established by the Occupational Therapy Program.

Students should be aware that any change in requirements which occur after publication of this catalog may require additional course work in order to complete accreditation.

#### Criteria for Advancement into the Professional Phase of OT Program

- A1. Students are required to document 30 hours of volunteer experience completed in at least two different settings. (At the time of application, the applicant must submit a written statement by an Registered Occupational Therapist verifying the volunteer experience.)

#### OR

- A2. Employment in an occupational therapy setting documented by an REGISTERED OCCUPATIONAL THERAPIST. (At the time of application, written verification by an REGISTERED OCCUPATIONAL THERAPIST must be attached to the Application.)
- B. Students must have a minimum "computed" Grade Point Average (GPA) of 2.70 on a 4.0 scale at the time of application and enrollment in the professional program. This "computed" GPA is determined by the student's cumulative GPA and required GPA. (Specific information available in the Occupational Therapy Office.)

C. Students must submit three (3) professional letters of reference. (Forms are available in the Occupational Therapy Office.)

D. All prerequisite courses must be completed or enrolled in at the time of application. All general education requirements (will allow a 6 credit exception with permission) must be completed or enrolled in at the time of application to the program. (The prerequisite and general education courses are listed on the previous pages.)

#### Transfer Students from Other Colleges and Universities

A transfer student must submit copies of ALL transcripts to the St. Ambrose University Registrar. These transcripts will be considered a part of the application and are necessary to determine admission and placement. Transcripts must be received by the St. Ambrose University Registrar by the application deadline date. A photocopied catalog description of all transferred support courses must be submitted along with the application form.

### 1ST PROFESSIONAL YEAR

Summer Semester between Sophomore and Junior Year

<b>Course Title</b>	<b>Credits</b>
OTS 31 History, Philosophy, and Functions	3
OTS 313 Foundations of Adaptation	2
OTS 324 Behavioral Neuroscience	4
Summer Credits:	9

Fall Semester

<b>Course Title</b>	<b>Credits</b>
BIOL 202 Anatomy and Physiology	4
OTS 323 OT Special Studies*	4
OTS 325 Occupational therapy Intervention I (Children and Adolescence)	4
OTS 326 Fieldwork Level I-A	2
OTS 327 Adaptive Processes I	3
OTS 456 OT Group and Family Theory	3
Fall Credits:	16

Spring Semester

<b>Course Title</b>	<b>Credits</b>
BIOL 204 Advanced Human Anatomy	4
OTS 411 OT Applied Kinesiology	3
OTS 442 Occupational Therapy Intervention II (Adult)	4
OTS 443 Fieldwork Level I-B	2
OTS444 Adaptive Processes II	2
PSYC 342 Principles of Counseling	3
Spring Credits	18

### 2ND PROFESSIONAL YEAR

Fall Semester

<b>Course Title</b>	<b>Credits</b>
OTS 450 OT Special Studies*	3
OTS 451 Occupational Therapy Intervention III (Elderly)	4
OTS 452 Fieldwork Level I-C	2
OTS 453 Adaptive Processes III	2
OTS 454 Occupational Therapy	

Leadership/Management	3
OTS 455 Occupational Therapy Prof Sem & Research	2
OTS 460 OT Applied Neurorehabitation	3
Fall Credits:	16-19

Spring Semester

Course Title	Credits
Students must complete 12 credits from the following	
OTS 457 Level II Fieldwork Experience - A	6
OTS 458 Level II Fieldwork Experience - B	6
OTS 459 Level II Fieldwork Experience - C (Six Month - Full-time; Usually outside metro QC area)	6
Spring Credits:	12
OTS 511 Level II Fieldwork Experience - D* (Special Topics - 6 credits - Optional)	6
*Permission of Director Required	

### Retention/Re-Admission In The Occupational Therapy Program

Students must meet the following criteria in order to be retained in the Occupational Therapy Program.

Criteria:

1. Maintain an overall GPA of 2.7 on a 4.0 scale.
2. Maintain a GPA of 2.7 on a 4.0 scale for all FIRST and SECOND Professional Level Courses excluding any outstanding prerequisite course(s).
3. Complete all major and support courses with a minimum of a "C" after two attempts. However, a student may not be enrolled in any professional Occupational Therapy courses until the second attempt has been successfully completed with a grade of "C" or better.
4. Follow the Department Leave of Absence Procedures when it is necessary for the student to temporarily leave the Occupational Therapy Program.

\*\*\*Dismissal from the University will automatically be considered dismissal from the Occupational Therapy Program.

Students not retained in the program either voluntarily or by not meeting the above criteria must petition for re-admission in writing to the Admissions and Retention Committee.

### Occupational Therapy Program Appeal Procedures For Progression And Retention/Re-Admission

Students have the right to appeal decisions related to admissions, progression, or retention to the Admissions and Retention Committee. Appeals procedures are available from the Department of Occupational Therapy.

Procedures:

1. The student's request for appeal must be made in writing to the chair of the Admissions and Retention Committee within two weeks of being notified of his/her status in the Occupational Therapy Program.
2. The student must appeal decisions of the Admissions and Retention Committee by submitting written reasons for challenging the Committee's decision by the appeal date set by the Committee.
3. The student members of the Admissions and Retention Committee will participate in the appeal process.

4. The student and faculty members of the Admissions and Retention Committee who have direct involvement in the case and who feel they are unable to act in good faith will excuse themselves from the appeals process. In those instances, alternate committee members will serve.
5. The decision of the Committee will be made by majority vote of those Committee members present using a secret ballot.
6. The student will be verbally informed by the chair of the Committee after the meeting. The chair will write a letter regarding the decision to the student and a copy will be placed in the student's file.
7. The student has the right to appeal the Committee's decision to the Dean of the College of Human Services.

## COURSE DESCRIPTIONS

### OCCUPATIONAL THERAPY

#### **OTS 312. History, Philosophy and Functions of Occupational Therapy 3 Credits**

History, Philosophy and Functions of Occupational Therapy includes the history and philosophy of the profession, theories and definitions of occupation, characteristics of the profession and professionalism and service delivery methods and settings. Prerequisites: Admission into the OT Program. Co-requisites: Occupation Therapy 313 and 324.

#### **OTS 313. Foundations of Adaptation**

**2 Credits**

Study of Purposeful Occupation as a need satisfier across the lifespan. The course includes the examination of man as an adaptive being; concepts involving facilitating positive adaptation; critical thinking; effective decision making; therapeutic use of self and touch and activity analysis as it pertains to human occupations. Prerequisites: Enrollment in Professional Occupational Therapy Program. CO-requisites: Occupational Therapy 312 and 324.

#### **OTS 323. Special Topics in Occupational Therapy**

**1-3 Credits**

Selected topics not offered in regular curriculum. Prerequisites: First Year Professional Occupational Therapy. Status and Occupational Therapy 312, 313, 324 or Permission of Instructor.

#### **OTS 324. Behavioral Neuroscience**

**3 Credits**

Examination of the functional neuroanatomy and neurophysiology of human beings, Emphasis on the physiology and anatomy of the nervous system and the relationship between the nervous system and behavior. Prerequisites: Psychology 105 and Biology 101 or 103. Recommended: Chemistry 101 or 105 or Physics 203 or 251. (Same as Psychology 403)

#### **OTS 325. OT Interventions I**

**4 Credits**

OT Interventions I utilizes the developmental approach to present theories and strategies for occupational therapy assessment and treatment of the 0-21 year old population. Normal and abnormal cognitive, psycho-social and sensorimotor developmental patterns and characteristics are examined and methods and techniques for facilitating positive change, emphasizing the role of occupation (meaningful tasks) in satisfying the adaptive drive, are imparted in didactic format. Prerequisites: Admission to OT Program; Completion of the first semester of the professional program. CO-requisites: OTS 326 and OTS 327.

#### **OTS 326. OTS Fieldwork I-A: Practicum**

**2 Credits**

The level I fieldwork practicum in pediatrics consists of guided learning experiences in settings in which the population between the ages of 0-21 years receive educational, social and medical services. The purpose of the course is to provide the student with direct opportunities to observe and interact with infants, children, and adolescents engaged in the daily living activities that are appropriate for their ages and stages of cognitive, psycho-social, and sensorimotor development. In addition to the on-site time, reading and written assignments are required. Prerequisites:

Admission to OT Program; Completion of first semester requirements; and Lifespan and Abnormal Psychology. Pass/No Pass course. CO-requisites: OTS 325 and OTS 327.

**OTS 327. Adaptive Processes I****3 Credits**

Adaptive Processes I builds upon the basic skills acquired from Foundations of Adaptation and focuses entirely on task analysis and purposeful occupations as need satisfiers. Introduction to the value of activities in occupational therapy, which provides the development of occupational performance skills as related to work, self-care and leisure. Prerequisites: Completion of first semester of professional program. CO-requisites: OTS 325 and OTS 326.

**OTS 440. Special Topics in Occupational Therapy****1-3 Credits**

Selected topics in Occupational Therapy not covered in regular curriculum. Prerequisites: Occupational Therapy 312, 313, 324 or Permission of Occupational Director.

**OTS 441. Occupational Therapy Applied Kinesiology****3 Credits**

Study of theoretical concepts used in the analysis of normal and abnormal patterns of movement as they apply to occupational therapy. Content includes biomechanical principles; anatomical structure and function of movement; functional testing of joints and muscles; and functional application to occupational role performance. Prerequisites: Biology 202; Occupational Therapy 327; Psychology 403. Co-requisites: Biology 204; Occupational Therapy 442, 443, 444

**OTS 442. Occupational Therapy Intervention II****4 Credits**

Occupational Therapy programming, evaluation, assessments, treatment application, prevention and consultation as it applies to medical and psychological conditions involving the adult population. Two-hour lab included. Prerequisite: Occupational Therapy 325. Co-requisites: Biology 204, Occupational Therapy 441,443, 444.

**OTS 443. Fieldwork Level I-B****2 Credits**

The second competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with bio-psychosocial problems. Pass/No Pass course. Prerequisite: Occupational Therapy 326. Co-requisites: Biology 204, Occupational Therapy 441,440, 442.

**OTS 444. Adaptive Processes II****2 Credits**

The use of activities to enhance independent daily living performance in work, play/leisure and self-care. Selected assessment procedures and therapeutic modifications emphasized. Prerequisite: Occupational Therapy 327. Co-requisites: Biology 204, Occupational Therapy 441,442, 443.

**OTS 445. Advanced Neuroscience****3 Credits**

In-depth review of neuroanatomy and neurophysiology with a special emphasis on disabilities resulting from damage to the nervous system. topics covered include: neuropsychological assessment, cerebrovascular accidents (stroke), AIDS, and the nervous system, disorders of sensation and perception, learning disabilities, head trauma, and recovery of function. Prerequisites: Psychology 105, 401 or 403, or permission of Instructor. (Same as Psychology 406.)

**OTS 450. Special Studies****1-3 Credits**

Selected topics will be studied on an individual basis determined between teacher and student. Prerequisite: Second Year Professional OCCUPATIONAL THERAPY status and Occupational Therapy 312, 313, 324 or Permission of Director of Occupational Therapy.

**OTS 451. Occupational Therapy Intervention III****4 Credits**

Occupational Therapy programming, evaluation, assessments, treatment application, prevention and consultation as it applies to medical and psychological conditions, involving the elderly population. Two-hour lab included. Prerequisites: Senior Status in Occupational Therapy Program, Occupational Therapy 442. Co-requisite: Occupational Therapy 452, 453.

**OTS 452. Fieldwork Level I-C****2 Credits**

The third competency based fieldwork course to help develop skills in Occupational Therapy service delivery. Students assigned to agencies serving elderly with bio-psychosocial problems. Pass/No Pass course. Prerequisite: Occupational Therapy 443. Co-requisites: Occupational Therapy 451, 454, 455, 453.



**OTS 453. Adaptive Processes III****2 Credits**

Skills in adapting tools, equipment, environments, and activities for therapeutic use. Designing, fabricating and using orthotic devices, and developing assistive and adaptive equipment to enhance work, play/leisure and self-care skills. Prerequisites: Occupational Therapy 441,444. Co-requisites: Occupational Therapy 451,452, 454, 455.

**OTS 454. Occupational Therapy Leadership/Management****3 Credits**

Occupational Therapy service management skills. Includes health care trends and legal issues. Student will develop a model for the delivery of occupational therapy services in a selected agency or facility. Prerequisite: Senior standing in professional program. Co-requisites: Occupational Therapy 451, 452, 453, 455.

**WI-OTS 455. Professional Seminar and Research****2 Credits**

Students will debate various health issues, develop position statements, and develop research proposals involving the practice of occupational therapy. Self-directed learning will be emphasized. Prerequisite: Senior standing in professional program. Co-requisites: Occupational Therapy 451,452, 453,454.

**OTS 456. Occupational Therapy Group and Family Theory****2-3 Credits**

Contemporary group theories and skills used by Occupational Therapists in practice arenas with children, adolescents, adults and the elderly. Development of skills in group roles and programming for therapeutic groups. Prerequisites: Occupational Therapy 312, 313, 324. Co-requisites: Occupational therapy 325, 326, 327.

**OTS 457. Level II Fieldwork Experience (Internship)-A****6 Credits**

Three months of supervised field experience with individuals and/or groups having psychosocial disabilities. Students will be supervised by Registered Occupational Therapists. Prerequisite: Completion of all occupational therapy and support courses. Pass/No Pass course.

**OTS 458. Level II Fieldwork Experience (Internship)-B****6 Credits**

Three months of supervised field experience with individuals and/or groups having medical conditions, i.e. cerebral vascular accidents, spinal cord injuries. Students will be supervised by Registered Occupational Therapists. Prerequisite: Completion of all occupational therapy and support courses. Pass/No Pass Course.

**OTS 459. Level II Fieldwork Experience (Internship)-C****6 Credits**

Three months of supervised field experience with individuals and/or groups having medical conditions and/or psychosocial disabilities and/or located in non-traditional settings. Students will be supervised by Registered Occupational Therapists. Prerequisite: Completion of all Occupational therapy and support courses. Pass/No Pass Course.

**OTS 460. Occupational Therapy Applied Neurorehabilitation****3 Credits**

The course consists of occupational therapy techniques utilizing neurorehabilitation principles for clients throughout the lifespan. Special emphasis will be placed on evaluation and treatment of clients with physical and/or psychosocial conditions utilizing the neurorehabilitation approach. Prerequisites: Senior status in Occupational Therapy Program, and Occupational Therapy 442. Co-requisites: Occupational Therapy 451,452 and 453

**OTS 511. Level II Fieldwork C: Special Topics****1-6 Credits**

Special Topics Course. Optional Course. Must have permission of Program Director. Pass/No Pass course.

**PEACE AND JUSTICE PROGRAM**

See Interdisciplinary Programs

## PHILOSOPHY

Requirements for a Major in Philosophy: 36 semester credits in Philosophy with 21 semester credits at the 300/400 level including Philosophy 365, 420, 495, one other Advanced History course; at least one Advanced Ethics course and at least one other 400 level course.

Requirements for Philosophy as a second major: 27 semester credits of Philosophy with at least 18 credits at the 300/400 level, including Philosophy 365, 420, 495; at least one Advanced Ethics course and at least one other 400 level course.

Requirements for a Minor in Philosophy: 18 semester credits in Philosophy with at least 6 credits at the 300/400 level.

## COURSE DESCRIPTIONS

### PHILOSOPHY 100 and 200 Level Introductory Courses

#### #PHIL 101. Introduction to Philosophy

**3 Credits**

This course introduces students to individuals and issues representative of Western Philosophy. Students are also introduced to topic-areas covered in depth in other course offered by the Department. This course can be taken concurrently with other courses in philosophy.

#### #PHIL 201. Logic

**3 Credits**

This course is designed to strengthen a student's ability to analyze and evaluate arguments, to recognize fallacious arguments, and to work with formal systems of inductive and deductive reasoning.

#### #PHIL 207. Ethics

**3 Credits**

This course involves a study of the foundations of human happiness and of moral reasoning. It directs attention to such contemporary moral issues as social justice, sex and love, prejudice, and abortion. (Students who take Theo 219 should not take Phil 207.)

#### #PHIL 208. Philosophies of Life

**3 Credits**

This course examines what great thinkers have had to say about the goals and values of human existence, and how life should be led. This course utilizes both literary and philosophic sources to raise questions concerning the self, and the relation of the individual to other persons.

#### #PHIL 210. Social/Political Philosophy

**3 Credits**

This course involves a philosophical analysis of social process as well as an attempt to develop the criteria for judging political institutions. Individuals such as Plato, Aristotle, Aquinas, Hobbes, Locke, Mill, and Marx may be considered.

#### #PHIL 217. History of Ancient Philosophy

**3 Credits**

This course introduces students to the history of Western Philosophy by examining the positions of, among others, the Pre-Socratics, Plato, and Aristotle. This course is a study of philosophical thought characteristic of the period 600 B.C.E. to 400 C.E.

All 300 and 400 level courses require completion of at least one course at the 100 or 200 level.

## ADVANCED ETHICS COURSES

#### #PHIL 302. Interdisciplinary Seminar on Peace and Justice

**3 Credits**

This course is coordinated by faculty from Theology and Philosophy and sometimes by an instructor from another field. The course is part of the Interdisciplinary Minor in Peace and Justice. A research project is required. Recommended Prerequisite: Philosophy 207 or 219 or Theology 280. (Same as Theology 302)

#### #PHIL 305. Business Ethics

**3 Credits**

This course is a study of ethical principles and the application of ethical principles to situations relevant to decision making in the professional and business world. Students will be expected to

reflect on question-raising situations that demand careful, informed moral deliberation.  
Recommended Prerequisite: Philosophy 207.

**#PHIL 3/0. Bio/Medical Ethics****3 Credits**

This course involves a detailed study of ethical principles and the application of those principles to situations relevant to decision making in medicine and the life sciences. Particular emphasis is placed on such topics as the termination of life, the allocation of scarce resources, and genetic research. Prerequisite: Philosophy 207 or permission of Instructor.

**PHIL 325. Ethical and Logical Issues in the Mass Media****3 Credits**

This course involves a study of the basic principles of formal logic with particular emphasis on fallacious reasoning and the subsequent application of the above to the various modes of reasoning found in the mass media. Recommended Prerequisite: Philosophy 207.

**#PHIL 342. Ethics of Sexuality****3 Credits**

This course involves a detailed study of human sexuality and the ethical reasoning pertinent to it for the purpose of formulating a rational and cohesive sexual ethic. Recommended Prerequisite: Philosophy 207.

**#PHIL 343. Ethics of Peace and Non-Violence****3 Credits**

An inquiry into the concepts of peace and justice, the methods of conflict resolution, and the various dimensions of a peaceful world. Among others, the positions of Mahatma Gandhi, Martin Luther King, Jr., and Thomas Merton are examined. Recommended Prerequisite: Philosophy 207.

**Advanced History of Philosophy Courses****#PHIL 360. History of Medieval and Renaissance Philosophy****3 Credits**

This course involves an examination of the philosophical thought characteristic of the period 400 C.E. to about 1500 C.E. Among others, attention will be given to those thinkers whose positions reflect the Christian world and other major Western religious world-views,- for instance, Augustine and Thomas Aquinas. Prerequisite: Philosophy 217 or permission of Instructor.

**#PHIL 365. History of Modern Philosophy****3 Credits**

This course involves an examination of the positions of thinkers who lived within the period 1500-1900. Among others, it considers the positions of Descartes, Hume, and Kant. Typically, it considers such topics as the rationalist/empiricist tension in epistemology, the deontological/utilitarian tension in ethics, and social contract theory. Prerequisite: Philosophy 217 or permission of Instructor.

**#PHIL 370. History of American Philosophy****3 Credits**

This course involves an examination of the development of American Philosophy especially of American pragmatism. Among others, it considers the positions of Peirce, James, and Dewey. Recommended Prerequisite: Philosophy 217.

**WI-#PHIL 375. Existentialism****3 Credits**

This course examines the philosophical and literary works of such thinkers as Kierkegaard, Nietzsche, Camus, Marcel, Sartre, Heidegger. The major question pursued in the course is "What is it to be human?" Recommended Prerequisite: Philosophy 217.

**Special Topics Course****#PHIL 390. Special Topics in Philosophy****3 Credits**

This course is intended to meet the needs of non-major students (as well as majors). This course typically deals with specific topics not covered in regular course offerings. This course can be designed to cover special topics in ethics, or the history of philosophy, or in other areas of philosophical inquiry. "Among others, this course might consider such topics as Work/Leisure, Alienation, Oriental Philosophy, Feminist Thought, Utopian Thought, Afro-American Thought, Marxist Thought, The Philosophy of Science. This course is intended to deal with such topics on a "one-time" basis.

**400 Level Courses**

**PHIL 405. Epistemology****3 Credits**

This course considers questions associated with the nature, scope, and reliability of human knowledge. Topics such as philosophical skepticism, idealism, realism, and opinion versus knowledge are examined.

**PHIL 410. Symbolic Logic****3 Credits**

This course covers a broad spectrum of topics in logic, some highly mathematical, some highly philosophical. It involves a study of the development of formal logic, and a study in detail of the major system of symbolic logic, namely, predicate logic. It also examines how predicate logic can be extended in such a way as to create a more sophisticated systems such as modal logic and fuzzy logic.

**PHIL 415. Issues In Ethical Theory****3 Credits**

This course considers questions associated with the nature of ethical reasoning. Topics such as the Is/Ought Problem, the role of reason in ethical deliberation, the tension between a Utilitarian and a Deontological approach to ethics, the foundations of value, and so on, are examined.

**PHIL 420. Metaphysics****3 Credits**

This Course is the study of the most basic principles of reality. The course asks what we can know about the whole of reality (being), the sorts of beings which exist, the status of concepts such as existence, being, body, soul (or mind), matter, freedom, and God.

**PHIL 451. Directed Readings in Philosophy****3 Credits**

This course is designed for the advanced -- typically a major -- student. This course allows a student to organize a reading program centering on some topic not covered in regular courses. The student must seek prior approval from a cooperating faculty member.

**PHIL 490. Special Seminar in Philosophy****3 Credits**

This course is intended to be an in-depth study of some particular figure, or some particular movement in the history of philosophy. Students will be primarily responsible for class discussions. Figures such as Plato, Aristotle, Hegel, Wittgenstein, or movements such as Social Contract Theory, Logical Positivism, Natural Law Tradition might be examined.

**WI-PHIL 495. Senior Seminar****3 Credits**

This course is intended to be a capstone course for seniors. Students will be primarily responsible for class discussions. Since this is a writing-intensive course students will be expected to express their reactions to class-materials in a clear and cogent manner,

## HEALTH, PHYSICAL EDUCATION AND SPORT SCIENCE

All students majoring in the Department must take a swimming test upon entrance into their program.

### Non-Teaching Majors

Course Requirements for a General Physical Education Major: Physical Education 113,207, 206, 210, 220, 221,222,280, 300, 301,304,308,309,314 or 315, 331, WI-361,415, 416, 417; Health Education 201; Biology 202.

### Course Requirements for Athletic Training:

Prior to application to the program, all interested students will be required to complete 50 clinical hours under the direct supervision of a certified athletic training, in an athletic training setting in which they will be given the opportunity to observe and participate, as well as learn about the role and function of an athletic trainer.

Physical Education 206, 304 or 305, 335, 338, 340, 348, 358, 361,363, 390, 415 or Social Science 213; Biology 202, 204; Health Education 201 or 205; Psychology 304 or 305,403. Recommended but not required: Chemistry 103 or 105; Physics 203; Philosophy 301 or Theology 401; Physical Education 280, 370.

To sit for the National Certification Exam, 1500 clinical hours under the direct supervision of a certified athletic trainer are required. These hours must be accumulated within a minimum of 2 years but no more than 5 years. With proper planning a student should be able to satisfy this requirement within their college career.

Courses required for a major in Sports Management: Accounting 201; Art 231; Business 309, 316; Computer Science 120 or Computer Information Systems 295; Economics 201,202; Health Education 201,340; Physical Education 113, 155, 206, 305, WI-361,363, 416, 416, 417; and one course from each of the following groups: a. Physical Education 211 or 214; b. Physical Education 200, 300 or 400; c. Physical Education 220, 221, or 222.

## TEACHING MAJORS

All students should apply for admittance to the Department of Education after completing Education 205.

Students planning to qualify for a teaching certificate should inform themselves of the certification requirements in the state where they wish to teach. The student must maintain a grade point average of 3.00 in Physical Education with no grade below a "C", a 2.70 cumulative average, and must complete Physical Education Courses 311, 412, Psychology 310 and Education 433 and become a member of the student Iowa State Education Association (ISEA).

Requirements for a Physical Education Teaching Major: Biology 202; Health Education 210; Physical Education 113,207, 206, 210, 220,221,222, 280,300, 301, 304, 308, 309, 311, 314, 315, 331, WI-361,412, 415. Education courses required for a Teaching Major are found in the Department of Education section of this catalog (Pages 109-111).

Requirements for Athletic Training Teaching Major: The program for athletic training with teaching will follow the same program as the physical education teaching major but will include the general education requirement of non-teaching athletic training and Physical Education 363 and 370 from the General Core Courses.

## MINORS

Requirements for a Physical Education Minor: 24 semester credits including: Physical Education 206, 309, 331,311 or 412, 314 or 315. (Recommended: Health Education 201; Physical Education 113, 207, 301, 304, 384, 385.)

Requirements for a Health Education Minor or Second Teaching Area which includes the requirements for the K-6 or 7-12 Health Endorsement: Health Education 201,203, 205, 301,303; Physical Education 206, 340; Psychology 201,205; Sociology 321.

### ATHLETIC COACHING

There are two type of coaching concentrations:

A. Coaching Certification

B. Coaching Authorization

Requirements for Coaching Certification: The student must graduate with a teaching licensure and complete the following classes: Biology 202; Physical Education 206, 370, 308, WI-361,412; one of the following: Physical Education 321, 322, 323, 324, 325.

Requirements for Coaching Authorization: The State of Iowa requires four major courses to receive a coaching authorization. They are as follows: Education 304; Physical Education 308, WI-361, 412 or a coaching course.

All Physical Education Majors and Minors are encouraged to participate in the intramural sports program.

### COURSE DESCRIPTIONS

#### PHYSICAL EDUCATION

A medical certificate of physical fitness is required of all students who participate in any physical education activity course. The medical certificate filed at the time of admission is sufficient if it has been filed within the past four years.

**#PED 100. Beginning Swimming** **2 Credits**

**#PED 200. Intermediate Swimming** **2 Credits**

**PED 113. Introduction and History of Physical Education** **2 Credits**

Acquaints students with profession of physical education as a career.

#### ACTIVITY CLASSES FOR NON-PHYSICAL EDUCATION MAJORS

Activity classes cover the theory and practice of the sports listed, including skill fundamentals, strategy and rules.

**#PED 149. Physical Education Concepts** **1 Credit**

Basic concepts and development of Physical Education, including such areas as body maintenance, family health, the Olympics, sport sociology, and consumer education.

#### LIFETIME ACTIVITY COURSES

#PED 120. Conditioning and Self-Defense 2 Credits

#PED 151. Racquetball 1 Credit

#PED 152. Downhill Skiing 1 Credit

#PED 153. Cross Country Skiing 1 Credit

#PED 154. Canoeing 1 Credit

#PED 155. Fitness 1 Credit

#PED 157. Scuba Diving 1 Credit

#PED 158. Weight Training 1 Credit

#PED 159. T'ai Chi 2 Credit

#PED 160. Basketball 1 Credit

#PED 161. Softball 1 Credit

#PED 165. Developmental Physical Education 1 Credit

For students unable to participate in regular Physical Education classes. Prerequisites: Permission of Instructor

#PED 199. Beginning Volleyball	1 Credit
#PED 201. Beginning Bowling	1 Credit
#PED 203. Beginning Tennis	1 Credit
#PED 204. Beginning Badminton	1 Credit
#PED 205. Beginning Golf	1 Credit
PED 206. First Aid	2 Credits

Safety awareness as an individual and as a member of society. Red Cross certification upon successful completion of first aid and cardiopulmonary resuscitation.

**PED 210. Games and Rhythms**

**2 Credits**

Participation in games and rhythms related to elementary school children. Adaptation of activities to specific grades. Minimal time on lesson plans, unit outlines, teaching methods and playground supervision.

**PED 207. Gymnastics and Tumbling**

**2 Credits**

Emphasis on men and women's gymnastic apparatus, plus tumbling activities. Open to Physical Education Majors or Minors.

**#PED 208. Cycling**

**1 Credit**

**#PED 211. Beginning Modern Dance**

**2 Credits**

Basic introduction to modern dance with emphasis on technique developed through exploration of the elements of dance, including space, time and energy.

**#PED 212. Beginning Jazz Dance**

**2 Credits**

Basic introduction to jazz dance with emphasis on techniques developed through elements of jazz dance.

**#PED 214. Aerobic Dance**

**2 Credits**

Designed to develop physical fitness through movement. Emphasis on cardiovascular endurance, heart rate and healthful living through exercise.

**PED 220. Skills I**

**2 Credits**

For Physical Education Majors only. Develops motor skill abilities in three activities. Sports covered include tennis, badminton and volleyball. Should be taken in Freshman and/or Sophomore year.

**PED 221. Skills II**

**2 Credits**

For Physical Education Majors only. Develops motor skill abilities in three activities. Sports covered include golf, archery, bowling. Should be taken in Freshman and/or Sophomore year.

**PED 222. Skills III**

**2 Credits**

For Physical Education Majors. only. Develops motor skill abilities in three activities. Sports covered include soccer, team handball or pickleball and fitness. Should be taken in Freshman and/or Sophomore year.

**PED 280. Introduction to Special Physical Education**

**3 Credits**

Approaches general program development related to impairments, disabilities and handicapped conditions in the mentally, physically, and emotionally disturbed.

**PED 300. Advanced Swimming (Senior Life Saving)**

**2 Credits**

Knowledge and practical experience in life saving skills. The American Red Cross Certification for Advanced Life Saving and Water Safety will be given to those who successfully complete the necessary requirements.

**#PED 301. Country, Folk, and Social Dance**

**2 Credits**

Development of knowledge and skill in folk and national dances, American country dances, and social dancing. Cultural influences of folk arts. Participation in a variety of dances for school and adult recreation.



**PED 304. Administration and Organization of Health, Physical Education, and Athletics****3 Credits**

Administrative duties, responsibilities, and problems. Special emphasis on qualifications of administrator and staff, policies, teaching load, indoor and outdoor facilities, purchase and care of equipment, budget and finance, office management, liability, and inter-school athletics.

**PED 305. Sports Management****3 Credit**

Principles and theory of management relating to sports facilities and corporation wellness centers. Prerequisite: Accounting 201 and Economics 201.

**PED 307. First Aid and CPR Instructor Course****1 Credit**

Red Cross First Aid/CPR Instructor Certification will extend skills gained in PED 306 and Provide students with the ability to instruct and certify others using Red Cross curricular materials. Prerequisite: Physical Education 306 or current First Aid/CPR Certification.

**PED 308. Introduction to Care and Prevention of Athletic Injuries for the non-Training Major****2 Credits**

This course is designed to meet the needs of the coaches or non-athletic training major by giving an overview of the care and prevention of some common athletic injuries. The course will offer hands-on introduction to various taping and bracing techniques utilized in the athletic setting.

**PED 309. Elementary Physical Education Methods****2 Credits**

Basis for planning a total program of physical education for elementary school children. Progressions within activities, techniques or organization and methods of teaching appropriate for elementary age children. Emphasis placed on child development and related activities. Prerequisite: Sophomore status, major in the department or elementary education major.

**PED 311. Practicum: Teaching****1 Credit**

Supervised student teaching on the college level. Open only to Physical Education Majors and Minors. Prerequisite: Physical Education 309 or 331. Placement must be approved by Chair of Department. Regular Grade Option or Pass/No Pass.

**PED 314. Team Sports (Majors or Minors Only)****2 Credits**

Methods and procedures in teaching team sports such as soccer, basketball, volleyball and softball. Emphasis on command, task reciprocal. Small group and programmed styles of teaching. Prerequisites: Physical Education 220, 222, and 331.

**PED 315. Individual Sports (Majors or Minors Only)****2 Credits**

Methods and procedures in teaching individual sports such as tennis, archery, golf, wrestling, badminton and bowling. Emphasis on task analysis, criteria, evaluation and behavioral instructional objectives. Prerequisite: Physical Education 220, 221, and 331.

**PED 321. Coaching Football****2 Credits**

Basic principles and practices underlying modern football coaching.

**PED 322. Coaching Basketball****2 Credits**

Basic principles and practices underlying modern basketball coaching.

**PED 323. Coaching Track****2 Credits**

Basic principles and practices underlying modern field and track coaching.

**PED 324. Coaching Baseball****2 Credits**

Basic principles and practices underlying modern baseball coaching.

**PED 325. Coaching Volleyball****2 Credits**

Basic principles and practices underlying modern volleyball coaching.

**PED 331. Principles and Methods of Secondary Physical Education** **3 Credits**

A study to investigate and evaluate methods involved in teaching physical education at the secondary level and learn to develop a daily lesson plan, a unit and a curriculum calendar.

**PED 335. Care and Prevention of Athletic Injuries for the Athletic Training Major 3 Credits**

The first in a series of athletic training courses that introduces basic principles and techniques in the care and prevention of athletic injuries. This course allows the student athletic trainer to gain a working knowledge of the basic skills required to become a certified athletic trainer. Prerequisites: Acceptance into the Athletic Training Program; 50 hours of documented clinical observation in the athletic training setting under the direct supervision of a certified athletic trainer; Biology 202, 204.

**PED 338. Therapeutic Modalities in Sports Medicine 1 Credit**

One class in a series of athletic training courses designed to introduce the student athletic trainer to various therapeutic modalities used in the athletic and clinical setting. This course will allow the student to learn how the various modalities work, both mechanically and physiologically, as well as offering hands-on training with a variety of modalities. Prerequisite: Physical Education 335 with a "C" or better.

**PED 340. Introduction to Nutrition 3 Credits**

Study of the relationship between food and the human body and its impact on growth and development, performance and general well-being.

**PED 348. Recognition and Treatment of Athletic Injuries 2 Credits**

Scientific approach to identifying injuries of all joints. Also, the scientific basis of how different therapeutic modalities work and their appropriate application to injury. Prerequisite: Physical Education 338 with "C" or better.

**PED 358. Rehabilitation Techniques in Athletic Training 2 Credits**

Scientific basis of how tissues heal, current techniques of surgery to repair injury, and rehabilitation measures specific to each joint of the body. Prerequisite: Physical Education 348 with "C" or better.

**WI-PED 361. Kinesiology 3 Credits**

Study of skeletal and muscular, systems of the body as related to motion. Analysis of muscle function in performance of physical education activities. Prerequisite: Biology 202.

**3PED 362. Varsity' Athletics 1 Credit**

Maximum of four semester credits allowed toward the 120 degree credits. Pass/No Pass course.

**PED 363. Legal Aspects of Sport 3 Credits**

This course covers the legal aspects related to sport, sport facilities, programs and personnel, including tort law, liabilities and negligence. Prerequisite: Physical Education 305 or permission of Instructor.

**PED 370. Psychology and Motivation in Athletics 2 Credits**

Study of psychological and motivational techniques in relationship to sport competition.

**PED 384. Practicum in Physical Education for Mentally Handicapped 3 Credits**

Experience in local schools with physical education programs for mentally handicapped. Emphasis placed on mainstreaming with some integrated program development. Prerequisites: Junior status, Physical Education 280 or permission of Instructor. Regular Grade Option or Pass/No Pass.

**PED 385. Practicum in Physical Education for Physically Handicapped 3 Credits**

Experience in local schools and hospitals with therapeutic and activity programs of physically handicapped. Emphasis on 'mainstreaming and segregated programs. Prerequisites: Physical Education 280, Junior status or permission of Instructor. Regular Grade Option or Pass/No Pass.

**PED 390. Exercise Physiology 3 Credits**

A theory to practice course relating the principles of physiology to exercise. Lab and research assignments. Prerequisites: Biology 202, Physical Education 340, Department Major or permission of Instructor.

**PED 400. Water Safety Instructor's Course 2 Credits**

Prerequisite: American Red Cross Senior Life Saving Certificate.

**PED 410. Practicum: Athletic Training****1 Credit**

Supervised athletic training of a varsity sport at St. Ambrose University. Open only to students seeking an endorsement in Athletic Training. Prerequisites: Junior status and Physical Education 348, 358 with "C" or better. Regular Grade Option or Pass/No Pass.

**PED 412. Practicum Coaching****1-2 Credits**

Supervised coaching in local elementary, junior high or high schools. Open only to students Majoring, Minorng or seeking Coaching Endorsement in Physical Education. Prerequisite: Permission of Instructor. Regular Grade Option or Pass/No Pass.

**PED 414. Independent Research****1-3 Credits**

For Department Majors only. Research in major concentration of the Health, Physical Education and Sport Sciences Department. Prerequisite: Junior or Senior major in the department and permission of Department Chairman.

**PED 415. Tests and Measurements****3 Credits**

Evaluation as a part of teaching, statistical techniques, construction and use of motor and knowledge tests, criteria for test selection, etc. Prerequisite: Mathematics 121.

**PED 416. Internship I****3 Credits**

For Physical Education Non-Teaching Majors. A practicum in sports management, wellness programs, park and recreational management, YMCA /YWCA work, and/or other assignments to develop first-hand knowledge and experience in pertinent areas. Prerequisite: Junior status in non-teaching sports management, general physical education, or athletic training. Regular Grade Option or Pass/No Pass.

**PED 417 Internship II****3 Credits**

For Physical Education Non-Teaching Majors. A practicum in sports management, wellness programs, park and recreational management, YMCA /YWCA work, and/or other assignments to develop first-hand knowledge and experience in pertinent areas. Prerequisite: Physical Education 416. Regular Grade Option or Pass/No Pass.

## PHYSICS

Requirements for the Bachelor of Science Degree (or the Bachelor of Arts Degree) with a Major in Physics: Physics 251, 253, 254, 304, 306, 309, 312, 317, 321, 403; Chemistry 105, 106; Mathematics 191, 192, 291; Computer Science 210 or 270; Mathematics 320; two semester credits in both Advanced Laboratory and Experimental Research.

(Since interdisciplinary fields such as biophysics, medical electronics, geophysics and oceanography are very active areas, students are urged to obtain a broad science background.)

Requirements for a Bachelor of Science Teaching major in Physics (7-12): 3235 semester credits including the following: Engineering 111 or Computer Science 210; Physics 251, 253, 254, 304, 306, 309, 312, 317, 321, 329. Education courses required for a teaching major are found in the Department of Education section of this catalog (Pages 109-111).

Requirements for a Teaching Minor in Physics (7-12): 30 semester credits including Engineering 111 or Computer Science 210; Physics 251, 253, 254, 306, 312, 317, 7 hours of Physics electives.

## COURSE DESCRIPTIONS

### PHYSICS

#### #PHYS 110. Physics of Sound and Light

**3 Credits**

Waves and oscillations; vibrating systems; hearing and vision; light; lenses; atmospheric phenomena; lasers; compact discs. For non-science majors. Lectures and laboratory sessions.

#### #PHYS 160. Concepts in Electronics

**3 Credits**

Electrical quantities; simple DC circuits; magnetism; motors and generators; AC circuits; radio and television communications; digital and analog electronic devices. For non-science majors. Lectures and laboratory sessions.

#### #PHYS 203. College Physics

**4 Credits**

For majors in Biology, the health sciences and the liberal arts. Principles of mechanics, thermodynamics, waves, acoustics and fluids. Three lectures and one lab per week. Prerequisite: Mathematics 151.

#### PHYS 204. College Physics

**4 Credits**

For majors in Biology, the health sciences and the liberal arts. Principles of electricity magnetism, optics, modern physics and elementary particles. Three lectures and one lab per week. Prerequisite: Physics 203.

#### #PHYS 251. General Physics I Mechanics, Heat and Waves

**5 Credits**

Calculus-based physics course for majors in engineering and the physical sciences. Introduction to Mechanics, Rotational Motion, Fluids, Waves and Thermodynamics, Three lectures, one laboratory and one problem-period per week. Prerequisite: Mathematics 191, CO-requisite or prerequisite: Mathematics 192.

#### PHYS 253. General Physics II Electricity and Magnetism

**3 Credits**

Electrical and magnetic properties of matter, AC and DC circuits, electrical fields and particles, magnetic fields induction. Maxwell's equations, introduction to electronics. Prerequisites: Mathematics 192, Physics 251. Two lectures and one laboratory per week.

#### PHYS 254. General Physics III Introduction to Optics and Modern Physics

**3 Credits**

Physical and geometrical optics, relativity, atomic physics, quantum mechanics and nuclear physics. Two lectures and one laboratory per week. Prerequisites: Mathematics 192, Physics 251 or 204; also a knowledge of electromagnetism is helpful.

#### PHYS 304. Electromagnetic Theory

**3 Credits**

Static and time-dependent electric and magnetic fields. Ferromagnetic materials, Maxwell's Equations, Boundary value problems. Transmission lines, wave guides and radiation. Prerequisite: Physics 253. Three lectures per week. (Same as Engineering 320)

**PHYS 306. Electronics****3 Credits**

For Science and Engineering Majors. Digital circuits and design technique, transistor and diode circuits, operational amplifiers, filters and signal sampling. Prerequisite: Physics 204 or 253 or consent of Instructor. Two lectures, one laboratory period per week.

**PHYS 309. Theoretical Physics--Mechanics****3 Credits**

Principles of Newtonian mechanics; particle dynamics, simple harmonic motion, central forces; statics and dynamics of rigid bodies; elasticity; Lagrange equations; the mechanics of continuous media. Three lecture periods per week. Prerequisites: Physics 251 and Mathematics 291.

**PHYS 312. Optics****3 Credits**

Geometrical optics: image formation, optical systems, thick lens theory, aberrations; wave optics; superposition, coherence, interference, diffraction, dispersion, polarization. Three lectures per week. Prerequisite: Physics 254.

**WI-PYS 317. Modern Physics****3 Credits**

Spectroscopy, X-rays, photoelectric effect, introduction to quantum mechanics, special relativity, natural and induced radioactivity, nuclear energy levels and structure, nuclear reactions, shielding, accelerators and reactors. Three lectures per week. Prerequisite: Physics 254 or 204.

**PHYS 321. Statistical Physics and Thermodynamics****3 Credits**

Introduction to classical and quantum statistics; thermodynamic laws, energy, entropy and equilibria, cyclic and noncyclic processes; applications to chemical and engineering problems. Prerequisite: Physics 204 or 251. (Same as Engineering and Industrial Engineering 312)

**PHYS 325, 326. Advanced Laboratory****1-6 Credits**

Individual experiments in mechanics, thermodynamics, optics and atomic, nuclear and modern physics. Experiments usually scheduled to relate to material in 300 level courses in which students are enrolled. May be repeated.

**PHYS 329. Experimental Research****1-3 Credits**

Individual research projects selected by student. Design and installation of experimental apparatus will be involved. Prerequisite: consent of Instructor.

**PHYS 403. Advanced Topics in Physics****1-3 Credits**

Elements of quantum mechanics, relativity, solid state physics and other areas of physics are selected according to student and faculty interests. Prerequisites: Nine hours of 300 level physics courses.

## POLITICAL SCIENCE

Requirements for a Major in Political Science: 27 semester credits of Political Science including Political Science 101, 102, 213, 307, 308 and 349.

Requirements for a Minor in Political Science: 15 semester credits of Political Science including Political Science 101 and 102.

Requirements for the Pre-Law Certificate Program: The pre-law program at St. Ambrose consists of 33 semester credits of course work beyond general education requirements which are applied to a baccalaureate degree. Students are strongly encouraged to make the following choices in their general Education courses: Philosophy 201,207; History 201; Political Science 101 and Economics 201. *Required courses are:* Accounting 201, 202; Economics 202; English 216; Philosophy 210; Philosophy elective; Political Science 102, 304; Political Science elective; Speech 328; One of the following: Business Administration 301, Criminal Justice 221, Political Science 303,316. A minimum of a 2.00 Grade Point Average is required of the courses needed to complete the program.

Requirements for a Teaching Major in American Government (7-12): 36 semester credits including: Political Science 101, 102, 213, 301,303, 304, 307, 308, 309, 3 semester credits of Political Science electives, History 201, 202. Education courses required for a teaching major are found in the Department of Education section of this Catalog (Pages 109-111).

Requirements for a Teaching Minor in American Government (7-12): 30 semester credits including Political Science 101,102, 301,303, 304, 307, 308, 3 semester credits of Political Science electives; History 201,202.

## COURSE DESCRIPTIONS

### POLITICAL SCIENCE

#### **#PSCI 101. Government of the United States I**

**3 Credits**

The Constitution, Presidency, Congress, Courts and citizen participation in the political system. (This course satisfies requirements for a teacher's certificate in Iowa and Illinois.)

#### **#PSCI 102. Government of the United States II**

**3 Credits**

Survey of American policy problems in such areas as civil rights, foreign policy, the economy, regulation and subsidization, and poverty.

#### **PSCI 213. Statistics for the Social Sciences**

**3 Credits**

Multi-disciplinary course on how and why social scientists use statistics to describe and interpret information they gather. Lecture and laboratory periods. Prerequisites: introductory course in Major field; Mathematics 121 or passing grade on screening test. (Same as Criminal Justice 213, History 213, Psychology 213, Sociology 213)

#### **PSCI 301. Political Parties and Electoral Policies**

**3 Credits**

Examination of voting behavior and workings of American party system. Special focus on recent Presidential elections.

#### **PSCI 303. The Constitution of the United States**

**3 Credits**

Survey of leading decisions of Supreme Court, indicating development of judicial power and limitations on government.

#### **#PSCI 304. Civil Liberties and the Constitution**

**3 Credits**

Leading Supreme Court decisions concerning human rights, civil rights and personal freedoms.

#### **PSCI 307. History of Political Thought I**

**3 Credits**

Ideas of great theorists from Plato to Rousseau. Prerequisite: Political Science 101 or permission of Instructor.

#### **PSCI 308. History of Political Thought II**

**3 Credits**

Ideas of great theorists of modern political thought from Burke to Marx. Prerequisite: Political Science 101 or permission of Instructor.

**#PSCI 309. International Politics****3 Credits**

Behavior of nations in international political system and problems of war, peace, justice, change and international organization. Current international problems analyzed in perspective of theoretical concerns discussed in course.

**#PSCI 313. Foreign Policy of the United States****3 Credits**

The United States in international affairs, study of methods, policies and goals of United States foreign policy.

**PSCI 316. International Law****3 Credits**

Case study-of principles of modern international law. Prerequisite: Political Science 101 or permission of Instructor.

**PSCI 321. State, Local and Regional Politics****3 Credits**

American federal system and politics at state and local levels, and approaches in dealing with metropolitan problems. Prerequisite: Political Science 101 or permission of Instructor.

**PSCI 322. Urban Politics****3 Credits**

Environment and structure of urban governments from the political machine to present. Problems faced by city residents and their attempts to influence government response. Prerequisite: Political Science 101 or permission of Instructor.

**PSCI 325. Public Opinion and Propaganda****3 Credits**

Process of public opinion formation and attitude change, including psychological basis, a description of American ideology, and the shape of contemporary opinion, influence of mass media, and problems faced in translating public opinion into government policy.

**PSCI 326. The Presidency****3 Credits**

Evaluates the current state of the presidency in terms of its political environment, organization and structure, and opportunities for making policy. Special focus on the prospects and limitations of reform as a tool for redefining the powers and roles of the presidency.

**PSCI 327. Congressional Politics****3 Credits**

Explores the membership of congress, how congress works, and the politics of congressional policy making. Special focus on legislative norms, representation, and the political party in congress.

**PSCI 340. Independent Study****1-3 Credits**

Directed individual research on topic approved by Instructor before registering and by Department Chair.

**WI-PSCI 349. Seminar in Contemporary Political Thought****3 Credits**

Readings and discussions in contemporary political thought.

**PSCI 352, 353. Internship****1-6 Credits**

Directed internship in political or public service. Open to upper-class Political Science Majors on arranged basis. Credit is in addition to 27 semester credit minimum required for Major. (Statehouse Scholar interns are Regular Grade or Pass/No Pass.)

**WI-PSCI 370. Public Administration****3 Credits**

Examines the classics of public administration to help attain a working knowledge or organizational behavior.

## PSYCHOLOGY

Students should contact their advisors for information on career-oriented support courses. Supervised field experiences are provided in a variety of non-classroom sites for upper division students, and opportunities for student originated research are available continuously. Degree programs are offered to evening students. Qualified students are eligible for membership in Psi Chi, the national Psychological Honorary Society. Students may also participate in the Psychology Club.

Requirements for a Major: 30 semester credits of Psychology, including Psychology 105, 213, 215, and one course from the following: Psychology 305, 306, 324, or 401.

Requirements for a Minor: 15 semester credits of Psychology, including Psychology 105 and two or more 300-level courses.

Requirements for a Teaching Major in Psychology (7-12):30 semester credits including Psychology 105, 201,213, 304, 309, 310, 324, 342, 6 semester credits of Psychology electives (Psychology 205 recommended). Education courses required for a teaching major are found in the Department of Education section of this Catalog (Pages 109-111).

Requirements for a Teaching Minor in Psychology (7-12): 24 semester credits including Psychology 105, 201,304, 309,310, 324, 6 semester credits of Psychology electives.

Requirements for a Concentration in Biopsychology: Psychology 105, SSCI 213, Psychology 215, 331,397, 401,402, and 404.

Requirements for a Concentration in Substance Abuse Counseling: See Sociology Concentrations.

Occupational Therapy majors wishing to complete a double major in Psychology must take the following: 30 semester credits of Psychology including Psychology 103, 216, SSCI 213 and one from the following: Psychology 305, 306, 324, 401.

## COURSE DESCRIPTIONS

### PSYCHOLOGY

#### **#PSYC 105. Introductory Psychology**

**3 Credits**

Basic introductions into concepts, theories, and methods of studying human and animal behavior. Overall perspectives of the field.

#### **#PSYC 201. Personal Adjustment**

**3 Credits**

Serves in the process of self examination, clarification of personal goals, skills, interpersonal relations, and study habits. Innovative techniques, such as group dynamics. Prerequisite: Psychology 105.

#### **#PSYC 203. Psychology of Gender**

**3 Credits**

Theory, research and discussion on the physical, psychological, and social aspects of the similarities and differences between men and women. Prerequisite: Psychology 105.

#### **PSYC 205. Psychology of Human Sexuality**

**3 Credits**

Physical, psychological, and social aspects of sexuality as a natural part of human living, including various problems associated with this interpersonal role. Prerequisite: Psychology 105.

#### **PSYC 213. Statistics for the Social Sciences**

**3 Credits**

Interdisciplinary course on how and why social scientists use statistics to describe and interpret information they gather. Lecture and laboratory periods. Prerequisites: Introductory course in Major field; Mathematics 121 or passing grade on screening test. (Same as Criminal Justice 213, History 213, Political Science 213, Sociology 213)

#### **PSYC 215. Research Methods**

**3 Credits**



Introduction of the experimental methodology of psychology and provision of practice in basic research design. Prerequisite: Psychology 105 (Sociology 350 may be substituted for Psychology 215 by those with double majors in Sociology and Psychology but not by those with a Psychology major and a Sociology minor).

**PSYC 294, 394, 494. Laboratory Practicum****1-2 Credits**

Practical and/or research experience working directly with a professional on scientific or applied projects of mutual interest. Prerequisites: Psychology 105 and permission of Instructor. Maximum of four semester credits for Major credit. Pass/No Pass Grade.

**#PSYC 304. Child and Adolescent Psychology****3 Credits**

Physical, cognitive, social and emotional development through adolescent years. Prerequisite: Psychology 105. (Same as Education 304)

**#PSYC 305. Life-Span Developmental Psychology****3 Credits**

Biological, behavioral, cognitive, and social processes and development from conception through death and dying. Taught from a topical perspective. Prerequisite: Psychology 105 or permission of Instructor.

**PSYC 306. Social Psychology****3 Credits**

Study of theories and research in areas of interpersonal and inter-group relations. Investigates how people influence each other in everyday situations. Prerequisite: Psychology 105.

**PSYC 309. Educational Psychology: Tests and Measurements****3 Credits**

Psychological principles in teaching and learning, preparation and use of devices to evaluate learning and instruction. Lecture. Prerequisites: Psychology 105 and 304. (Same as Education 309)

**PSYC 310/510. Introduction to Exceptional Children****3 Credits**

Study of various special patterns in children, including gifted, retarded, attention deficit disorder and other exceptionalities. Examines social policy and supportive services. Prerequisites: Psychology 105 and 304 or permission of Instructor. (Prerequisite for 510 is Senior status with a 3.0 cumulative GPA and permission of Department Chairman.)

**#PSYC 311. Adulthood and Aging****3 Credits**

Study of various hereditary and environmental components of adult life, including discussion of social policy and supportive services. Prerequisite: Psychology 105; Psychology 304 encouraged.

**PSYC 314. Human Motivation****3 Credits**

Study of the causes for the variety of human actions. Comparison of behavioral, cognitive, and socio-biological models. Application of motivational models to organizational environments. Prerequisites: Psychology 105.

**PSYC 318. Group Dynamics****3 Credits**

The study of the dynamics of group processes, including group norms, leadership, self-awareness, communication, decision-making, and developmental stages. The therapeutic uses of small groups and the development of leadership skills will be emphasized. Prerequisites: Psychology 105, 342. (Same as Sociology 318)

**PSYC 323. Personality Theories****3 Credits**

Major theories of personality with emphasis on normal personality. Prerequisite: Psychology 105.

**#PSYC 324. Abnormal Psychology****3 Credits**

Introductory course to acquaint students with development symptomatology involved in psychoses, neuroses, and various other behavioral abnormalities. Prerequisite: Psychology 105.

**PSYC 331. Learning and Memory****3 Credits**

Research and theories in classical and instrumental conditioning, human verbal learning and memory. Lecture and Laboratory. Prerequisite: Psychology 105.

**PSYC 332. Psychological Tests and Measurements****3 Credits**

Various assessment procedures, particularly those concerned with intelligence and personality. Prerequisites: Psychology 105, 213, or permission of Instructor.

**PSYC 333. Industrial Psychology****3 Credits**

Role of psychology in the business context, including personnel issues, management, incentive systems, human factors, advertising, and public relations. Prerequisite: Psychology 105.

**WI-PSYC 342. Principles of Counseling****3 Credits**

Current theories and practices in use of counseling and guidance techniques in applied settings. Lecture and laboratory. Prerequisites: Junior status, Psychology 105, 323, or permission of Instructor.

**PSYC 343. Family Counseling****3 Credits**

The structure and process of family counseling, its historical and theoretical foundations, the practice of family counseling, and training for and evaluation of family therapy. Prerequisites: Psychology 105, 342, or permission of Instructor.

**PSYC348. Supervised Field Experience****3 Credits**

Participation in service projects and field internship placements for which students have had suitable course preparation. Students should contact the instructor to seek permission to take this course and to choose a placement site no later than the semester prior to enrollment in the course. (Sociology 355 may be substituted for Psychology 348 by those students with double majors in Sociology and Psychology but not by those with a Psychology major and a Sociology minor). Prerequisites: Junior status. Psychology 105 and 12 semester credits in Psychology, and permission of Instructor. Transfer students must wait at least one semester before taking 348; they may arrange their placement during their first semester at St. Ambrose University.

**PSYC 360. Behavioral Pharmacology****3 Credits**

Analyzes the effects of drugs on behavior, with particular emphasis on: 1. The development and classification of drugs; 2. The effects of drugs on mood, emotions, and psychomotor abilities, and 3. The study of the chemical reactions and functions of the Individual neuron or small populations of neurons. This course will take a biopsychological perspective in an attempt to build relationships between the empirical and experiential. Prerequisite: Psychology 105 or permission of Instructor (Also recommend one semester of Biology or Chemistry).

**PSYC 397, 398. Topics in Psychology****3 Credits**

Courses in areas of Psychology not included in other offerings in the department; class topics will change each semester. Prerequisites: Psychology 105 and permission of Instructor.

**PSYC 401. Physiological and Comparative Psychology****3 Credits**

Exploration of the techniques used in physiological psychology, psychopharmacology, and the neuroscience. Prerequisites: Psychology 105, 401 or concurrent enrollment, or permission of Instructor.

**PSYC 402. Psychology of Sensation Perception and Cognition****3 Credits**

Examination of theoretical knowledge and experimental study of how information is gathered from the environment. Prerequisite: Psychology 105. Offered alternate years.

**PSYC 403. Behavioral Neuroscience****4 Credits**

Examination of the functional neuroanatomy and neurophysiology of human beings. Emphasis on the physiology and anatomy of the nervous system and the relationship between the nervous system and behavior. Prerequisites: Psychology 105 and Biology 101 or 103. Recommended: Chemistry 101 or 105 or Physics 203 or 251. (Same as OTS 324)

**WI-PSYC 404. Experimental Psychology I****3 Credits**

In-depth examination of experimental design and methodology with hands-on research experience during all phases of the course. Prerequisites: Psychology 105, 213, 215.

**WI-PSYC 405. Experimental Psychology II****3 Credits**

Examination of experimental design and methodology with hands-on research during all phases of the course. Students are required to initiate a research project and carry it through to completion under the supervision of the instructor. Prerequisites: Psychology 105, 213, 215, 404 or permission of Instructor.

**PSYC 406. Advanced Neuroscience****3 Credits**

In-depth review of neuroanatomy and neurophysiology with a special emphasis on disabilities .resulting from damage to the nervous system. Topics covered include: neuropsychological assessment, cerebrovascular accidents (stroke), AIDS and the nervous system, disorders of sensation and perception, learning disabilities, head trauma, and recovery of function. Prerequisites: Psychology 105,401 or 403, or permission of Instructor. (Same as Occupational Therapy 445)

**PSYC 414. History of Systems of Psychology**

**3 Credits**

Historical roots of Psychology in relation to current trends. Prerequisites: Senior status, Psychology 105; Philosophy or Theology 101, and Psychology 215.

## PUBLIC ADMINISTRATION

The Public Administration program is based in Political Science with Sociology offer the primary support. The program is divided into four areas of study: Foundations, Research Methods, Applied Concentration (minor), and Internship. These areas of study acquaint the student with the broad scope of activities involved with public service. Students learn the complex ways public management and technical expertise interact with one another, an often overlooked facet of public service.

CORE REQUIREMENTS: Political Science 102, 303, 322, WI-370; Sociology 340.

RESEARCH METHODS COMPONENT Computer Science 120; Political Science 213, 325; Sociology 350.

APPLIED CONCENTRATION This is designed to accommodate the student's expertise as it relates to public service. Students will need to take at least 15 credits in one of the areas below (Consult the catalog for the minor requirements of each of the areas.):

Accounting  
Business Administration  
Computer Science  
Criminal Justice  
Economics  
Health Related Fields  
Human Services  
Political Science  
Sociology

INTERNSHIP: 3 Semester credits of internship. It will most probably be taken in the department of the student's applied concentration.

Requirements for a minor in Public Administration: Political Science 102, 213, 322, WI-370; Sociology 340, 350. (Prerequisites Political Science 101 and Sociology 101 can be taken as part of the student's general education requirements.)

## COURSE DESCRIPTION

### **PADM 399. Inter-departmental Internship**

**3 Credits**

Guided internship in Public Administration or public service taken through the department in which the student develops an applied concentration. Internship emphasizes field experience, observation, and research under professional supervision in human services agencies. Prerequisites: Junior or senior status Public Administration majors and minors and approval of the Public Administration Director.

## SOCIOLOGY

Requirements for a Major: 30 semester credits of Sociology, including Sociology 101,213, 350, 360.

Requirements for a Minor: 15 semester credits of Sociology, including Sociology 101 and nine semester credits of 300 level courses.

### Concentrations

The Sociology Department offers four Concentrations leading to a number of career options. Selection of a Concentration is not required for a Major in Sociology, all but one of the Concentrations are available only to Sociology Majors.

Courses Required for a Concentration in General Human Services and Social Work: Sociology 204, 310, 318, 340, 353, 354, and 355; Psychology 343.

Courses Required for a Concentration in Human Services and Social Work With the Elderly: Sociology 204, 310, 340, 353, 354, and 355; Psychology 311 and 343.

Courses Required for a Concentration in Human Services and Social Work With Young People: Sociology 310,340, 353, 354, 355; Psychology 304, 310, and 343.

Courses Required Concentration in Substance Abuse Counseling: (For Psychology and Sociology majors) Sociology 101,310, 313 or Psychology 306, Sociology 318 or Psychology 318, Sociology 320 or Psychology 324, Sociology 321,353, 354; Psychology 105, 201,305, 342, 343; Supervised Field Experience ( Sociology 355 or Psychology 348. For a Concentration in Substance Abuse Counseling the student must fulfill the requirements for a major in Sociology as well as the above courses. (The courses taken in Sociology will also give the Psychology major a minor in Sociology)

Requirements for a Secondary Teaching Major (7-12): 33 semester credits in the Sociology to include: Sociology 101, 204, 310, 313, 320, 341, 366 and 12 semester credits of electives in the Social Sciences. (Education courses on pages 109-1L1.)

Requirements for a Teaching Minor: 30 semester credits in the Sociology to include Sociology 101, 204, 310, 313, 341 and 15 semester credits of electives in the Social Sciences.

## COURSE DESCRIPTIONS

### SOCIOLOGY

#### #SOC 101. Introduction to Sociology

**3 Credits**

Essential characteristics of life in society, including culture, socialization, subcultures, primary and secondary relations, stratification, face-to-face interaction, large-scale organizations, conflict, deviance and social change.

#### #SOC 204. Social Problems

**3 Credits**

Analyzing and solving major social problems in the United States and the world; racism, sexism, overpopulation, poverty, crime, war and other problems.

#### SOC 213. Statistics for the Social Sciences

**3 Credits**

Interdisciplinary course on how and why social scientists use statistics to describe and interpret information they gather. Lecture and laboratory periods. Prerequisite: Sociology 101 or permission of Instructor. (Same as Criminal Justice 213, History 213, Political Science 213, Psychology 213)

#### SOC 228. Cultural Anthropology

**3 Credits**

Cultural Anthropology involves a cross-cultural examination of those structures in society which are common to all groups: family, subsistence strategies and distribution of wealth, political arrangements, religion, art, science and technology. Through focused study of the multi-level

struggles for cultural and environmental survival, students will bring new knowledge and analytical skills to their understanding of the cultural histories and issues in adaptation.

**SOC 300. Human Relations for Educators****3 Credits**

Study of inter-group and minority group relationships as they are applicable to the educational system. Examination of multi-cultural, non-sexist teaching. For Junior level Education Majors or by permission of Instructor.

**#SOC 310. The Family****3 Credits**

Relationship between the family and other institutions, role relations within the family, effects of social change on the family.

**#SOC 313. Social Psychology****3 Credits**

Development of social individual, with emphasis on socialization, symbolic interaction and development, and presentation of self.

**SOC 318. Group Dynamics****3 Credits**

Study of the dynamics of group processes, including group norms, leadership, self-awareness, communication, decision-making, and developmental stages. The therapeutic uses of small groups and the development of leadership skills will be emphasized. Prerequisites: Psychology 105, 342; Sociology 101 or permission of Instructor. (Same as Psychology 318)

**#SOC 320. Deviant Behavior****3 Credits**

Theories of causation, deviant subcultures, and treatment-prevention; studies of criminal behavior, sexual behavior and violence included.

**SOC 321. Sociology of Substance Abuse****3 Credits**

Theories of use and addiction; social and social psychological correlates of use and abuse; examination of effects of alcohol, heroin, cocaine, and other substances on the individual and on various social institutions; program evaluation.

**#SOC 325. Social Movements****3 Credits**

Origins, dynamics and excitement associated with crowds and social movements. Deals with both protest and non-protest examples, plus fads and rumors. Prerequisite: Sociology 101 or permission of Instructor.

**SOC 337. Rural Institutions and Processes****3 Credits**

Factors affecting the rate of social, economic and political change in rural or non-metropolitan America. Characteristics of innovators versus late adapters or laggards. Prerequisites: Economics 201,202,. (Same as Business Administration 337)

**#SOC 340. Social Organization****3 Credits**

Structure and processes of social groups, including integration and disintegration, in terms of general organizing principles. Covers both small-scale groups and large-scale organizations and institutions. Prerequisite: Sociology 101 or permission of Instructor.

**#SOC 341. Social Class in American Society****3 Credits**

How societies rank people by class, status, age, sex, race, and power. Emphasis on both theoretical and empirical studies. Prerequisite: Sociology 101 or permission of Instructor.

**#SOC 345. Medical Sociology.****3 Credits**

An investigation into the areas and issues associated with health and health care delivery in the United States. Topics covered include such areas as definitions of health and disease, patterns of mortality and morbidity, epidemiology, health care utilization, physician-patient relationships, the structure of health care, and others. Prerequisite: Sociology 101 or permission of Instructor.

**SOC 350. Research Methods****3 Credits**

Study of knowledge and how its acquired in the social sciences. Includes exploratory research methods, participant observation, survey research, interviewing, sampling theory, questionnaire construction, data analysis. Prerequisites: Sociology 101,213. (Psychology 215 may be substituted for Sociology 350 by those with double majors in Sociology and Psychology but not by those with a Sociology major and a Psychology minor).

**SOC 353. Social Welfare Policy****3 Credits**

Concept and functions of social policy, processes of policy analysis and the explanation of interrelationships of social policy, social problems and social welfare. Prerequisite: 12 semester credits of Sociology.

**SOC 354. Social Work Practice****3 Credits**

Scope and responsibility of social work; common conceptual basis for social work practice; laboratory experiences in interactional skills. Prerequisite: 15 semester credits of Sociology, including Sociology 353.

**SOC 355. Field Experience****3-6 Credits**

Guided experience in local agencies. Prerequisites: 18 semester credits of Sociology and permission of Instructor. (Double majors in Sociology and Psychology may substitute Psychology 348 for Sociology 355 but not a Sociology major with a Psychology minor.)

**WI-SOC 360. Sociological Theory****3 Credits**

Examines foundations of sociology through variety of historical and contemporary theoretical schools. Prerequisite: Nine semester credits in Sociology.

**#SOC 366. Sociology of Minority Groups****3 Credits**

Historical, cultural, and sociological aspects of groups in society characterized by discrimination and lack of power. Includes Native Americans, Black Americans, Spanish speaking Americans, immigrant groups and women. (Same as History 366)

**SOC 370. Seminar in Selected Topics****3 Credits**

Focuses on issues and topics not covered in other offerings in the Sociology Department. Prerequisite: Sociology 101 or permission of Instructor.

**SOC 399. Independent Study****3 Credits**

Directed individual reading, research and/or writing on topics approved by Department. Open only to Junior and Senior Sociology Majors. Prerequisite: Permission of Instructor.

**SOC 400. Senior Seminar****3 Credits**

Overview and integration of current trends in the discipline. Senior-level Sociology Majors only. Prerequisite: Permission of Instructor.

## SPANISH

Requirements for a Teaching or Non-Teaching Major: 24 semester credits of Spanish above the freshman level, including at least six semester credits of Spanish literature.

Requirements for a Spanish Major for students that do not study abroad for a full academic year: 24 semester credits of Spanish above the freshman level including, 9 semester credits of Spanish or Latin American literature of which at least 6 semester credits are taught in Spanish, 3 semester credits in Spanish Civilization, and Spanish 301 and 302. (Teaching majors need to complete a program of study approved by both the Language and Education Department Chairmen.)

Recommended: At least one year of a second language or 12 hours of English above the level of English 101.

If study abroad is in a Latin American country, in lieu of study in Spain, a Latin American civilization course or a course in the history and or culture of the country in which the student studies should also be taken in addition to Spanish civilization.

Requirements for a Teaching or Non-Teaching Minor: 18 semester credits of Spanish courses above the freshman level.

## COURSE DESCRIPTIONS

### SPANISH

#### #SPAN 101, 102. First Year Spanish

**3 Credits**

Acquaints the student with Spanish through experience in the five language skills of understanding, speaking, reading, writing, and culture.

#### #SPAN 201, 202. Second Year Spanish

**3 Credits**

Review of fundamentals. Wider mastery of Spanish idiomatic usage, oral and aural skills. Reading of Spanish texts. Prerequisites: Spanish 101, 102, two years of high school Spanish or equivalent.

#### #SPAN 301. Spanish Composition and Conversation I

**3 Credits**

Advanced study of grammar, style and syntax. Development of both written and oral skills. Prerequisite: Spanish 202 or equivalent.

#### #SPAN 302. Spanish Composition and Conversation II

**3 Credits**

Continuation of Spanish Composition and Conversation I with greater emphasis on conversational skills and a general introduction to Spanish and Latin American civilization. Prerequisite: Spanish 301 or equivalent.

#### #SPAN 303. Selected Works in Spanish Literature

**3 Credits**

Readings of Spanish texts written from the twelfth century to 1700. Discussion of works and their importance in Spanish literature and culture. Prerequisite: Spanish 202 or equivalent.

#### #SPAN 304. Selected Works in Spanish Literature

**3 Credits**

Readings of Spanish texts written from 1700 to the present. Emphasis on Golden Age and modern texts. Prerequisite: Spanish 202 or equivalent.

#### #SPAN 305. Selected Readings from Latin American Literature

**3 Credits**

Readings selected from Latin-American texts written from 1492 until 1880. Discussion of works and their importance in Hispanic literature and culture. Prerequisite: Spanish 202 or equivalent.

#### #SPAN 306. Selected Readings from Latin American Literature

**3 Credits**

Readings selected from Latin-American texts written from 1880 to the present. Discussion of works and their importance in Hispanic literature and culture. Prerequisite: Spanish 202.

#### WI-SPAN 307. Spanish Civilization

**3 Credits**

Spanish cultural heritage from the beginnings to the present day with special regard to its significance for literature.



**SPAN 320. Independent Spanish**

**1-18 Credits**

Department approval. Repeatable. Prerequisites: Spanish 301, 302, five years of high school Spanish or equivalent.

**SPEECH****#SPEE 101. Principles of Public Speaking****2 Credits**

Beginning course in public speaking, emphasizing choice and organization of material, audience analysis, oral style of delivery. Extemporaneous method stressed.

**SPEE 203. Interpersonal Communication****3 Credits**

The philosophy, theory and practice of relationship skills and the relationship a speaker needs to create with an audience.

**SPEE 306. Group Decision-making****3 Credits**

Conference leadership functions of initiating, guiding, clarifying, arbitrating, mediating, coordinating, evaluating, integrating, questioning, summarizing and terminating discussion. Methods for locating problem, screening solutions, separating processes of idea-getting and idea-evaluating, dealing with conflict and controversy, reducing anxiety, and stimulating creativity. Conference situations established to implement skills.

**SPEE 325. Introduction to Speech Pathology****3 Credits**

Review of nature, causes and treatment of speech and hearing problems. Practical course for elementary and secondary classroom teacher.

**SPEE 327. Organizational Communication****3 Credits**

How people affect and are affected by others through communication. Emphasizes planning, organization and control. Examines how systems work, role of internal communication, flow, content, interpretation of messages, problem solving, avoiding communication breakdowns, changing attitudes, motivation, leveling, interpreting management's point of view. Investigates internal and external types of communication, dyads, interviewing and counseling, conference, selling and persuading.

**#SPEE 328. Argumentation and Debate****3 Credits**

Basic principles of argumentation. Problem solving through evidence, reasoning and persuasion. Classroom debates on questions of current interest.

**#SPEE 329. Business and Professional Speaking****3 Credits**

Principles and applications of oral communication to gain understanding, acceptance, and action. Speech situations in sales, business, industry, and the professions to motivate and achieve desired response.

**SPEE 394, 395. Independent Study in Public Address and Forensics 2 Credits**

Individual research and field work in communication as used in industry, business, government or in political, civic, and professional organizations, and as a curricular and co-curricular educational tool.

## THEATRE

Requirements for a Major in Theatre: 33 semester credits of Theatre courses, including Theatre 202, 205, 209, 304, 305 and 18 semester credits of Theatre electives.

Requirements for a Minor in Theatre: 15 semester credits of Theatre courses, including Theatre 202, 205, 209, 304, and 3 semester credits of Theatre electives.

Requirements/or a Secondary Teaching Major (7-12): 33 semester credits, including Speech 203, 325, 328, 329; Theatre 202, 205, 209, 304, 312; Mass Communications 205, 232, 403. Education courses required for a Teaching Major are found in the Department of Education section of the catalog (Pages 109-111).

Requirements for a Secondary Teaching Minor (7-12): 24 semester credits, including Speech 325, 328, 329; Theatre 202, 209, 312; Mass Communications 205, 232.

## COURSE DESCRIPTIONS

### THEATRE

#### #THTR 202. Survey of the Theatre

**3 Credits**

Fundamental classification of plays, function of various production roles, and principles and theory of the drama.

#### #THTR 205. Beginning Acting

**3 Credits**

Development of individual's basic skills through medium of pantomime, mime, vocal exercises and small scenes.

#### #THTR 206. Acting: The Dramatic Camera

**3 Credits**

Basic acting skills for stage, and adaptation to television and cinematic techniques. Students view themselves on video tape for production and evaluation purposes.

#### THTR 209. Stagecraft

**3 Credits**

Planning, construction, painting, rigging, and lighting of scenery. Basic technique course. Participation in actual production required. Prerequisite: Theatre 202.

#### #WI-THTR 210. Survey of American Film

**3 Credits**

Introduction to narrative fiction film as art and entertainment in the American social context. Aesthetic principles applied to film genres shown from silent era to modern color/sound productions.

#### #THTR 304. Theatre History I: To 1642

**3 Credits**

This course will deal with the global beginnings of theatre incorporating pertinent information from cultures around the world while concentrating on the historical view of Western theatre from the Greeks through the Elizabethan Age.

#### THTR 305. Theatre History II: 1642 to Present

**3 Credits**

This course will acquaint the student with factual knowledge of theatre history from 1642 to the present. The course will aid the student in viewing theatre as a mirror of society and hopefully afford them a better understanding of the cultures that surrounded and shaped the different theatrical movements and trends. Recommended Prerequisite: Theatre 304.

#### #THTR 307. Advanced Acting

**3 Credits**

Analysis of a character's ideas, emotions, purposes of being and relationship to others.

#### THTR 309. Costume Design for the Theatre

**3 Credits**

This course will acquaint the student with the knowledge and methods to organize, plan, and design costumes for a theatre production. In addition the student will be given the basic methods of costume cutting and construction and be provided with an understanding of costume history. Prerequisite: Theatre 202 or permission of Instructor.

#### THTR 312. Directing

**3 Credits**

Basic principles of directing theory and technique. Includes play selection, interpreting script, tryouts, casting rehearsal, and performances. Prerequisite: Theatre 209.

**THTR 314. Scenic Design for Stage and Studio****3 Credits**

Production design from concept to execution. Includes designing for stage and adaptation of principles to television techniques. Prerequisite: Theatre 209.

**#-WI-THTR 316. Survey of Current Dramatic Literature****3 Credits**

Survey of American dramatic literature written from 1950 to the present.

**THTR 317. Introduction to Musical Theatre****3 Credits**

As a cross-discipline course, it will provide a musical background for theatre majors and a theatrical background for music majors. It will also explore those areas common to both disciplines and enable students to share their strengths with each other. This course because of its practical nature, will help students develop both basic and more advanced skills in the musical theatre area and give them a broad knowledge of the medium. (Same as Music 317)

**THTR 392, 393. Independent Study in Theatre****2 Credits**

Research and paper, or practical exercise, such as design and execution of design for a major production.

**THTR 399. Internship in Theatre****3-5 Credits**

Work experience with professional supervision in one or several facets of theatre, including management, set design and construction, production, direction, acting, costuming, and advertising-public relations. Pass/No Pass grade.

## THEOLOGY

Requirements for a Major: 30 semester credits of Theology including Theology 101, Theology 201 and 202, 215, 307 and 308, one course in moral Theology, and one course in systematic Theology.

Recommended for a Major: two courses in the history of Philosophy, and Philosophy 330.

Requirements for a Minor: 15 semester credits of Theology including Theology 101, one course in Scripture, one course in moral Theology, and one course in systematic Theology.

Courses required for a Concentration in Youth Ministries: Theology 101, Theology 201, 202, 215, 260, 390, 391-399; Psychology 294; Sociology 399 (two semester credits); Theology 307 and 308 recommended.

Theology 101 or one of the other Introductory Level courses in Theology is a prerequisite for all upper level (300-400). In unusual circumstances, courses above the introductory level can be taken without the prerequisite with the consent of the Department Chair. More than one introductory level course may be used to fulfill the General Education Requirement.

## CATHOLIC STUDIES

### PEACE AND JUSTICE PROGRAM

See Interdisciplinary Programs

## THEOLOGY

### #THEO 101. Introduction to Theology

**3 Credits**

The course is divided into two parts. The first explores the fundamental issues in Christian theology; revelation and faith, the role of the Bible in theology, the Church and the churches. Part two explores how Christians ought to respond in the moral and spiritual life because of their faith in Jesus Christ.

### #THEO 201. Introduction to the Old Testament

**3 Credits**

Interpretation of Hebrew and Septuagint Old Testament attempting to understand what the ancient writers intended to convey. Emphasis on various authors appearing in Old Testament.

### #THEO 202. Introduction To The New Testament

**3 Credits**

Introduction to principles of interpretation of New Testament and survey of themes and theologies of New Testament books.

### #THEO 215. Introduction To The Sacraments

**3 Credits**

The life of the Church as expressed in ritual worship is treated from the historical, theological, and pastoral viewpoints. It encompasses the Church's discipline for the celebration of the (7) sacraments as well as the sources and interpretation of sign and symbol within the sacramental system.

### #-WI-THEO 219. Introduction to Moral Issues

**3 Credits**

Part 1: Presentations and discussions about various theories of moral development and value processing. Part 2: Series of lectures about Christian moral theology. Part 3: Study and discussion of a variety of current moral issues. (Students that take Phil 207 should not take Theo 219.)

### #THEO 240. Introduction to Black Theology

**3 Credits**

Black Theology is a course which demonstrates historically how blacks and minorities have appropriated the truth of Christian Gospels given and interpreted for them by their oppressors. It challenges its participants, in particular, the African-American Community to express its own contemporary theology in a language and way that speaks to their present day needs, experience, values, and faith commitments.

### #THEO 250. Introduction to Comparative Religions

**3 Credits**

Introduction to five major religions of the world, their cultural/social foundations, spirituality, and contemporary ritual celebrations. Concentration on Buddhism, Judaism, early Christianity, Islam, and Hinduism.

**THEO 260. New Directions In Ministry****3 Credits**

A foundation course in pastoral theology examining significant trends taking place within the Church with regard to ministry, the identity of ordained and non-ordained ministers, as well as various forms of collaborative ministry. It stresses the historical, pastoral, and spiritual foundations of Christian discipleship.

**#THEO 300. Contemporary Theological Issues****3 Credits**

Religious thought in twentieth century, and examination of selected questions and perspectives in both Roman and Reformed Christianity in recent times. Emphasis on doctrinal similarities and divergent methods in theological research.

**#THEO 301. Jesus Christ: His Person and Mission****3 Credits**

Study of Jesus Christ as both divine and human. Sources of revelation as interpreted by contemporary systematic theology and psychology.

**#THEO 302. Interdisciplinary Seminar on Peace and Justice****3 Credits**

This seminar is coordinated by faculty from Theology and Philosophy with an instructor from another discipline often invited to participate. Part of the Interdisciplinary Minor in Peace and Justice. (Same as Philosophy 302)

**THEO 303. The Theology of St. John****3 Credits**

John's theology discovered by a reading and interpretation of his writings. Prerequisite: Theology 202 or permission of Instructor.

**THEO 304. The Theology of the Synoptic Gospels****3 Credits**

Major themes and detailed interpretation of the first three Gospels, Matthew, Mark and Luke. Prerequisite: Theology 202 or permission of Instructor.

**THEO 305. The Theology of St. Paul****3 Credits**

Pauline theology discovered by a reading and interpretation of his writings. Application made to modern religious questions. Prerequisite: Theology 202 or permission of Instructor.

**#-WI-THEO 307. History of Christianity: Early and Medieval****3 Credits**

The Church and Western society in the early and medieval periods. (Same as History 307)

**#-WI-THEO 308. History of Christianity: Reformation and Modern****3 Credits**

The Church and society from the Reformation through the modern age. (Same as History 308)

**#THEO 309. Prayer, Spiritual Life and Liturgy****3 Credits**

Examination of the historical patrimony of writing on prayer and the spiritual life. Serious attention is given to the full meaning and process of growth in holiness. Particular emphasis will be placed on the Eucharist liturgy as the source and summit of personal/communal prayer, as well as authentic ways of celebration.

**THEO 310. Music and Liturgy****2 Credits**

Introduces student to the vast corpus of liturgical music of both the past and the present and give a practical knowledge of how, why and when to use it. The course is intended for upper-class students or those with a previous background in church music. Prerequisite: permission of Instructor. (Same as Music 310)

**#THEO 315. The Church: Its Meaning and Mission****3 Credits**

Current theological thought on the faith community as it actualizes itself in the modern world.

**#THEO 317. Problems of Faith, Theological Anthropology****3 Credits**

Examination of the human being as the perceiver of God. Takes into account historical and cultural development of the person as the knower of doctrine.

**THEO 320. Political Theology****3 Credits**

Social consequences of Church teachings and practices on history as reflected in contemporary movements of liberation, revolution and development.

**#THEO 350. The Protestant Perspective****3 Credits**

Introduction to spirit and forms of Protestantism, with consideration of historical perspective and emphasis on theological and ecclesial development.

**#THEO 354. The Jewish Perspective****3 Credits**

Perspectives on Jewish life and thought. Topics may include Jewish theology, worship, writings, personages and the fundamentals of Judaism.

**Sponsored Courses # Theology 354 (The Jewish Perspective is co-sponsored by the Jewish Chautauqua Society and the Temple Emanuel Endowment Fund).**

**THEO 355. Religion in America****3 Credits**

Religion as a force in America with emphasis on Puritanism, the Enlightenment, civil religion, revivalism, denominationalism and fundamentalism. (Same as History 355)

**THEO 357. Catholicism in America****3 Credits**

A study of the history of the Catholic Church in America with special emphasis on the lives of Catholic people. (Same as History 357)

**THEO 362. Social Justice****3 Credits**

Church teaching on social justice since Leo XIII. Application of principles to contemporary issues such as discrimination, capital punishment, warfare, peace and nonviolence, poverty and hunger.

**#THEO 365. Theology of Christian Marriage****3 Credits**

This course will examine the fundamental factors governing the contemporary experience of married life. It deals with specific principles and beliefs which enhance the Christian understanding of covenant love as celebrated in the Christian/Catholic sacrament of Marriage.

**THEO 370. Readings in Theology****1-3 Credits**

For students with special interest in Theology. Students organize a reading program with the guidance and approval of the Instructor.

**THEO 375. Special Topics in Scripture****3 Credits**

Study of some particular aspect of the thought of the Old or New Testament. May be offered as a class or as an individual directed study. Prerequisites: Old or New Testament, depending on the nature of the special topic.

**THEO 390. Sharing Faith: Contemporary Catechesis****3 Credits**

Principles of faith sharing according to contemporary catechetical models and methodologies. Examination of materials, structures and approaches suitable for people at the various stages of faith development from infancy through adulthood.

**Workshop in Youth Ministry**

The following are all 1 semester credit and are taken for a Pass/No Pass Grade:

**391. Principles of Youth Ministry****1 Credit**

The course will develop practical principles for ministry with youth drawn from psychology, sociology, culture, family and social trends which are relevant for ministry with youth. Pass/No Pass Grade.

**392. Foundations of a Christian Ministry****1 Credit**

Foundations aims to deepen and expand the minister's understanding of the theological foundations of Christian ministry and of a contemporary spirituality for ministry. A contemporary view of the mission and ministries of the Church will integrate this theological and historical analysis. The course will conclude by exploring the future direction of Church ministries. Pass/No Pass Grade.

**393. Fostering the Faith Growth of Youth Through Evangelization and Catechesis****1 Credit**

This course develops skills for evangelizing and storytelling; for organizing a catechetical curriculum for younger and older adolescents; and for creating learning experiences that respect the learning styles of adolescents from different cultures. Pass/No Pass Grade.

**394. Fostering the Faith Growth of Youth Through Justice and Peace Service****1 Credit**

Justice, Peace, and Service explores the foundations of fostering a justice and peace consciousness and spirituality in youth drawn from theology and scripture, social analysis, and adolescent development. It develops principles and skills for creating educational programs, service/action projects, and infusion strategies for justice, peace and service. Pass/No Pass Grade.

**395. Fostering the Faith Growth of Youth Through Prayer and Workshop****1 Credit**

Prayer and worship explores the interrelationship of growth in faith and spiritual development. It includes an analysis of adolescent spirituality and spiritual development, and of the contexts and approaches for nourishing the spiritual growth of youth. Pass/No Pass Grade.

**396. Principles of Multi-Cultural Youth Ministry****1 Credit**

This course presents principles for doing youth ministry in a multi-cultural society and church. Special emphasis is given to a basic understanding of culture, the dynamics of cross-cultural contact at the systemic and interpersonal level, cross-cultural communication, and the problem of prejudice. Specific issues facing youth of various cultures in the United States and models of multi-cultural youth ministry will be treated so as to enable youth ministers to more effectively work with youth from their own and other cultural groups.

Eight weekend workshops over a two-year period designed for those desiring specialized knowledge and skills in youth ministry. Two weekends give two credits in Sociology 339B Leadership Processes for Youth Ministry and Sociology 399C Leadership Skills for Youth Ministry, one weekend gives one credit in Psychology 294B Counseling the Adolescent. (In cooperation with the Diocese of Davenport.)

**THEO 399. Ministry Internship****1-12 Credits**

A semester off-campus experience in ministry with a strong education component. A beginning and ending two-week seminar with a ten-week supervised parish apprenticeship. This course may be taken as a "regular grade" option. (IN cooperation with the Diocese of Davenport.)

**THEO 401. Bioethics****3 Credits**

Study of the intricate relationship among science, medicine, law and ethics today. Prerequisite: A basic course in moral theology, ethics, or consent of the Instructor.

**THEO 403. The Holocaust****3 Credits**

A study of the historical event known as the "Holocaust." After a brief overview of the history of anti-Semitism, attention will focus on conditions which gave rise to Nazi anti-Semitism, the "Final solution," and Jewish existence in the Nazi ghettos and death camps. Jewish resistance, the help of "Righteous Gentiles," and ethical issues addressed by post-Holocaust theologians will be considered.

**#THEO 404. The Catholic Perspective****3 Credits**

The study of the qualities and characteristics, the philosophy and theology that distinguishes the Catholic perspective from others within the human family, among the religions of the world, and as a part of the broader Christian community. Prerequisites: History 307, 308 (or permission of Instructor).

**THEO 411. Seminar****3 Credits**

Provides small groups of students with opportunity for independent study of a particular theological issue which they may select. Prerequisites: Senior standing and Departmental approval.

**THEO 444. Art of Christian Pastoral Counseling****3 Credits**

An introductory survey of the dynamic principles of theology, tradition, and applied pastoral skills and experience within the Christian tradition. The content of the course draws from biblical, theological, clinical, pastoral, and spiritual resources with clinical methods treated only within the context of one on one counseling. Prerequisites: Senior Theology majors or those already working professionally part or full-time in the ministry. It also presumes fundamental knowledge of Christian theology.





**WOMEN'S STUDIES**

See interdisciplinary programs

## ACADEMIC AND GENERAL INFO FOR GRAD PROGRAMS

### Degrees

St. Ambrose University offers courses leading to the following graduate degrees:

Master of Accounting  
 Master of Business Administration Master of Criminal Justice  
 Master of Education in Special Education  
 Master of Education in Criminal Justice/Special Education  
 Master of Health Care Administration  
 Master of Pastoral Studies  
 Master of Physical Therapy

### Degree Requirements

Each graduate program has their degree requirements listed with their curricula and course descriptions immediately following the graduate information section of the catalog

### Graduate Class Load

A graduate student with a class load of 9 semester credits is considered a full-time student; one with 6 semester credits is considered a three-quarter time student, and one with 3 credits is considered a part-time student.

For the Summer Session a class load of three credits is considered full-time.

### Graduate Level Grading System

The grading system uses symbols with the following meanings:

- A Superior performance
- B Suitably proficient performance
- C Marginal to unsatisfactory performance
- F Unacceptable performance
- W Withdrawal from course (not a grade)
- I Student does not complete all course requirements (grade must be amended in accordance with regular University and Graduate School policies.)
- IP For in progress work--for students in courses that are not expected to be completed within the normal semester (i.e. Special Education Thesis) See explanation below

An "IP" grade is to be used with courses that are not expected to be completed within a regular academic semester, such as Occupational and Master of Physical Therapy internships, Special Education Thesis, and Master of Criminal Justice project. (Courses seeking to use this grade would have to be approved by the Educational Policy Committee.) Courses approved to use this grade have a notation within their course description. The requirements for use of this grade are as follows:

1. Completion of coursework is limited to one academic year from date of enrollment.
2. This grade will carry "Resident Credit" that can be used to meet financial aid and loan deferment requirements for one academic year from date of enrollment.
3. Satisfactory progress has to be confirmed by the Department Chairman at the beginning of each semester within the "academic year."
4. If the work is not completed within one academic year, the student will have to re-enroll in the course and accept all financial consequences of this action.

### Grade Points

A -- 4 quality points per credit  
 B -- 3 quality points per credit

C -- 2 quality points per credit

F -- 0 quality points per credit

### Academic Status

Only two "C" grades are acceptable in the Master's programs, and each must be offset with an "A."

A "B" (3.00 point) average or above is to be maintained in all coursework to remain in good academic standing. A 3.00 point or above is required to graduate.

Failure to meet these academic requirements will cause a probationary status. Students need to remove themselves from probation within two consecutive semesters.

A student dropped for academic deficiency may apply to the appropriate Master's Program Director according to each program's policy.

### Change Of Registration

If you wish to change your registration, you must record it officially on the appropriate form in the Registrar's Office. Otherwise you will receive an "F" in the unofficially-dropped course and there will be no credit for the unofficially-added course. It is your responsibility to inform the appropriate graduate office and confirm that the change has been recorded in the Registrar's Office.

During a 15-week academic semester, if a course is dropped between the first week and the end of the fourth week of class, no grade is officially recorded. If a course is dropped between the end of the fourth week and the end of the 10th week, the grade of "W" (Withdrawal) is officially recorded. If a course is dropped after the 10th week, the change is officially recorded as "WF" (Withdrew Failing) or "WP" (Withdrew Passing) as determined by the Instructor. During the shorter Summer academic sessions, which are less than 16 weeks, the time periods are prorated for withdrawal.

### Application For Graduation

As a candidate for a degree, you are to file in the Registrar's Office an application for graduation one year before the date you plan to complete your requirements for graduation. Late application will be accepted up to three months before graduation day. This insures that the proper offices are notified that you are graduating. In addition, a graduation audit of your records is completed by the Registrar's Office to make sure you are meeting all graduation requirements.

You will be billed for your graduation fee by the Business Office near the middle of your last semester. The fee covers such costs as graduation audit, graduation invitations, cap and gown, and diploma.

### Withdrawal From The University

Official withdrawal from the University during the semester is arranged with the appropriate college dean or the Registrar before the student leaves the campus. Official withdrawal insures that all records properly reflect such action. Students who leave unofficially will receive "F" grades in all classes listed on the official registration.

### Student Government

All registered graduate students are eligible to serve in the Graduate Senate (GS). The GS elects its officers and meets monthly, representing student concerns, planning student activities and providing certain services to the graduate students not otherwise provided by the University administration and staff.

### Graduate Expenses

The following costs are for the 1993-1994 academic year. (May vary per program. Please check with each graduate program for current rates.)

#### Graduate Tuition

(Per semester credit)	\$307.00
(Per three-semester course)	\$921.00

**Special Expenses**

<b>First Registration Fee</b>	\$10.00
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(Payable only once at the time of the first registration.)

<b>Application Fee (Graduate)</b>	\$25.00
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(The fee is to accompany your application for admission when your application is returned to the Admissions Office. The fee will not be applied toward tuition, and it will not be refunded.)

<b>M.B.A. Competency Examination Fee</b>	\$100.00
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<b>Special Examination Fee</b>	\$60.00
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For each examination taken

<b>For each credit awarded</b>	\$30.00
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<b>Change of Registration Fee</b>	\$ 2.50
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Charged for each Drop/Add Form changing the current registration as follows:

Fall Semester After September 7, 1993

September 6, 1994

Spring Semester After January 31, 1994 February 6, 1995

<b>Late Registration Fee</b>	\$15.00
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Same dates as above.

<b>Late Payment Fees</b>	Vary
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Graduation Fee	\$35.00
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**Motor Vehicle Registration**

Graduate Student Per Year	\$7.50
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**Tuition Refunds**

Tuition Refund Schedules are found on pages (36-37) of this catalog.

## GRADUATE CURRICULA AND COURSE DESCRIPTIONS

### THE MASTER OF ACCOUNTING DEGREE

#### College Of Business

With the ever-changing environment in business due to government and tax regulation, technological and environmental changes, and international competition, today's accountant must be prepared to meet the challenges of clients and other professionals. In order for the evolution of this process to succeed, the accountant needs to be professionally oriented, socially conscious, and academically prepared.

Major authoritative accounting bodies, in particular, the American Institute of Certified Public Accountants, have mandated the academic requirements for its members by requiring that by the year 2000 all member accountants will have 150 semester credit hours of academic preparation. A natural extension in the pursuit of this requirement is and will continue to be graduate education in the field of accounting.

St. Ambrose University, wishing to retain the respect it has gained from the community in the field of accounting education and desiring to provide the educational environment necessary to meet the requirements of the AICPA, initiated a Master of Accounting degree in the Fall semester of 1989.

#### The Master of Accounting Program

The Master of Accounting degree is an interdisciplinary program designed to prepare the individual for the wide variety of employment opportunities available in the accounting profession. Specifically the objectives of the program are designed to:

1. Provide an in-depth body of professional knowledge in the field of accounting based on a strong liberal arts undergraduate degree.
2. Allow for the opportunity to pursue additional coursework that is required by many states and leading professional accounting bodies as essential to enter the field of public accounting.
3. Establish a potential for career development and advancement in the accounting profession.
4. Provide a theoretical and practical body of knowledge which will allow for independent thinking, analysis of problem solving, and a search for new knowledge in the accounting profession.

#### General Conditions for Admission

While recommended, the pursuit of the Master of Accounting degree at St. Ambrose University does not require an undergraduate degree in accounting. Those candidates applying for admission without an undergraduate degree in accounting will be required to meet prerequisites, some of which may be satisfied through proficiency examinations.

#### Admission Requirements

The candidate must have an undergraduate degree from an accredited institution.

All Applicants must meet the requirements of paragraphs a. and b. below prior to the end of the first semester:

- a. Supply official transcripts from all undergraduate and graduate institutions attended. (An official transcript is one sent directly to the St. Ambrose University College of Business Office from the attended institution.)
- b. Submit an official GMAT score. Further information on the GMAT is available from GMAT, Box 966, Princeton, New Jersey 08541, or from the St. Ambrose University College of Business Office.

## Prerequisites

The following prerequisites must be satisfied by each non-accounting major admitted to the Master of Accounting program. A candidate may enroll in a Master of Accounting course as soon as prerequisites for each course are met. Prerequisites may be met by completing the courses below by passing competency examinations, or by completing designated MBA courses.

### Undergraduate Prerequisites:

51 semester credits including the following: Accounting 201,202 or 307, 301, 302, 304, 305, 306, 401 or 402; Business Administration\* 205, 301,303, 309, 310; Computer Science 120; Economics 201,202; Mathematics 151.

\*or any two business. course substitutes not included in the above list.

NOTE: An individual who has completed graduate courses that are equivalent to any of the above prerequisites may use those courses to satisfy the prerequisites.

### Graduate Course Requirements

The following graduate course requirements must be satisfied by each candidate to successfully complete the Master of Accounting program: 30 semester credits including, Master of Accounting 601, 603, 608, 609 and 9 semester credits of electives from the following courses: Master of Accounting 606, 607, 612, 614, 618; 9 semester credits of non-accounting electives which must be approved by the Department.

### SAMPLE CURRICULUM

**Note:** The sample below is not intended to necessarily represent the actual required course sequence.

#### Year 1

##### Fall Semester

3 hrs. Advanced Financial Accounting (MAC 601) 3 hrs. Elective

##### Spring Semester

3 hrs. Advanced Managerial Accounting Theory (MAC 603) 3 hrs. Elective

##### Summer Semester

3 hrs. Elective

#### Year 2

##### Fall Semester

3 hrs. Accounting Information systems (MAC 608) 3 hrs. Elective

##### Spring Semester

3 hrs. Research Methods/Report Writing in business (MAC 609) 3 hrs. Elective

##### Summer Semester

3 hrs. Elective

### Descriptions of Required Courses

#### **MAc 601. Advanced Financial Accounting Theory**

**3 Credits**

A study of financial accounting theories such as efficient-market hypothesis and equity theories and their treatment in the accounting for pensions, leases, deferred income taxes, changing prices levels, and other financial accounting issues. Emphasis on the analysis of pros and cons of alternative treatments. Prerequisites: Accounting 301, 302.

**MAc 603. Advanced Managerial Accounting Theory****3 Credits**

A study of applications of contemporary managerial accounting concepts including techniques for developing, analyzing, and interpreting information and participating in the management processes of establishing financial plans and making investment and operating decisions. Strong emphasis on management decision and problem solving techniques. Prerequisites: Accounting 202 or 307.

**MAc 608. Accounting Information Systems****3 Credits**

A study of the design and analysis of accounting information systems, automated data processing methods for independent and internal auditing procedures, and the role of accounting in the management process. Prerequisites: Accounting 304; Introduction to computer science or equivalent.

**MAC 609. Research Methods/Report Writing in Business****3 Credits**

A study of the examination of methods of inquiry and research and development of competence in professional writing. Includes extensive library research and outside readings in areas of selected accounting literature. A major paper is required.

**Selected Graduate Accounting Electives:****MAc 606. Advanced Auditing****3 Credits**

A critical study of the public accounting profession, structure, and problems. Emphasis on public accounting issues such as regulation, opinion shipping, legal liability, and audit pricing. Prerequisites: Accounting 304.

**MAc 607. Research/Cases in Taxation****3 Credits**

A study of techniques of tax research, tax planning for corporations, partnerships, and individuals, and taxation of gifts, estates and trusts. Prerequisites: Accounting 305, 306.

**MAC 612. Accounting Standards, Regulations, and Emerging Issues****3 Credits**

A study of selected generally accepted accounting principles, documentation and operation of FASB, Emerging Issues Task Force, Securities and Exchange Commission, AICPA; and other influential organizations including APB and FASB; bulletins and interpretations. Emphasis on application of selected documentation. Prerequisites: Master of Accounting 601 or concurrent enrollment.

**MAc 614. Controllership****3 Credits**

Presentation of fundamental business skills requisite for a career as controller in the private accounting sector. Topics include concepts and techniques of accounting and budgeting for management control, cost control, performance and evaluation of the modern business organization. Prerequisites: Master of Accounting 603.

**MAc 618. International Accounting****3 Credits**

A study of financial accounting concepts at the international level. Concepts include foreign currency transactions, interpreting foreign financial statements, presentation of foreign/domestic financial statements, and the role of the accountant in international monetary transactions. Master of Accounting 601,603.

**MASTER OF BUSINESS ADMINISTRATION****COLLEGE OF BUSINESS****THE PROGRAM**

The Master of Business Administration (M.B.A.) Degree program at St. Ambrose University is accredited by the North Central Association of Colleges and Schools, and is approved by the Iowa Department of Education for Veterans Administration benefits.

The M.B.A. Program is designed primarily to meet the needs of the part-time student who is employed on a full-time basis. Each weeknight class meets one night a week from 6:25 to 9:00 and for two nights a week during the abbreviated summer session. Saturday classes meet once a week from 7:45-10:45 AM and 11:15 AM-2:15 PM, with every fourth Saturday off, (on the average) during the fall and spring semesters. Most of the classes (except LTPS) are held in Ambrose Hall.



Students may attend weeknight classes only, weeknight and Saturday classes, or Saturday only classes. The Program can be entirely completed by attending only Saturday classes.

In addition, St. Ambrose University is offering the Community M.B.A. Program on location in five Iowa communities--Burlington, Cedar Rapids, Clinton, Muscatine and Ottumwa. It is offered in Burlington in cooperation with Southeastern Community College and Iowa Wesleyan College; in Cedar Rapids in cooperation with Kirkwood Community College; Clinton in cooperation with Clinton Community College and Mount Saint Clare College; in Muscatine in cooperation with Muscatine Community College and Iowa Wesleyan College and in Ottumwa in cooperation with Indian Hills community College and Buena Vista College. Each of these institutions offers a community undergraduate educational program. With the addition of this M.B.A. Program, each community has ready access to educational opportunities ranging from Freshman through M.B.A. levels. (For further information contact the M.B.A. Office.) The M.B.A. Program is also offered on the Rock Island Arsenal.

### **ADMISSION REQUIREMENTS**

If you have an undergraduate degree in any field, you may apply for admission to the St. Ambrose University M.B.A. Program. (Some undergraduate backgrounds outside the area of Business may not fully provide students all the skills necessary for successful completion of this Program. These students may find some classes more difficult than anticipated.)

You may be admitted for the fall, spring or summer sessions.

### **Admission Status**

The admission formula is figured by multiplying your undergraduate grade point average by 200 and adding the GMAT composite score. A minimum score of 950 based on this formula is required for full-status admission.

Students with a total score of less than 400 on the GMAT or 950 on the minimum standard are reviewed for conditional admission status (provisional or probationary) on an individual basis by the Graduate Studies Admissions and Retention Committee.

Provisional admission status may be granted when a student's file is incomplete. The provisional student is required to provide all missing information promptly.

Probationary admission may be granted after review by the Graduate Studies Admissions. Such status implied concern about the academic success of the student. Removal from probationary admission status requires successful compliance with conditions indicated by the M.B.A. Director. All admission decisions will take into consideration the student's personal motivation to succeed.

Students will be required to take a special M.B.A. course in quantitative methods if their quantitative scores on the GMAT are below the 35th percentile.

### **APPLICATION PROCEDURES**

To apply for the Master of Business Administration Degree program, you need to:

1. Complete the Application For Admission To St. Ambrose University form. Return to the M.B.A. Office the application form with a \$25.00 non-refundable application fee payable to St. Ambrose University.
2. Request that an official copy of your transcript from each undergraduate and graduate school you have attended be sent directly to the Director, M.B.A. Program, St. Ambrose University, 518 West Locust Street, Davenport, Iowa 52803. An official copy is one sent from the attended institution directly to St. Ambrose University.

**NOTE:** Up to nine semester credits of sufficiently similar courses may be transferred from other accredited M.B.A. Programs (grades of B or better within last five years).

3. Submit an official Graduate Management Admissions Test (GMAT) score or apply for the Graduate Management Admissions Test (GMAT). Designate that a copy of your GMAT

score be sent to St. Ambrose University (Code 6617). Area test centers are at the Quad Cities Graduate Studies Center (Code 05018) and St. Ambrose University (Code 07203). The GMAT usually is administered two times a year at the Quad Cities Graduate Center (October and March), and two times a year at St. Ambrose University (January and June). GMAT applications are available in the M.B.A. Office.

### **COURSES BY EXAMINATION**

Students who have required knowledge and experience in foundation, core (except LTPS) and decision-making courses may take the courses "by examination" with approval of the M.B.A. Director. Testing out procedures are available in the M.B.A. Office and a fee is charged.

#### **Academic Status**

Only two "C" grades are acceptable in the MBA program, and each must be offset with an "A."

A "B" (3.00 point) average or above is to be maintained in all coursework to remain in good academic standing. A 3.00 point or above is required to graduate.

Failure to meet these academic requirements will cause a probationary status. Students need to remove themselves from probation within two consecutive semesters.

A student dropped for academic deficiency may apply for readmission to the M.B.A. Program after one semester has elapsed.

### **M.B.A. PROGRAMS OF STUDY**

Students may complete the fifteen course management generalist degree program in two and two thirds years by taking two courses in the fall, two in the spring and one in the summer. In those instances where a student is not employed full-time he/she may enroll as a full-time student (nine credit hours--fall and spring, three credit hours--summer).

Students may elect to complete the seventeen course concentration degree program in three years by attending one additional semester to complete the two additional concentration courses.

Students must complete all course work within five years from the first date of enrollment in the M.B.A. Program.

Requirements for the Management Generalist Master of Business Administration Degree: 15 semester credits in Master of Business Administration courses including Master of Business Administration 505, 506, 507, 526, 621, 626, 635, 670, 675, 680, 685, 690; six semester credits of elective courses (2), and Master of Business Administration 800.

Requirements for the Master of Business Administration Degree with a concentration in Finance, Health Care Management, Non-Profit Organizations, Marketing, Computer Information Systems, or Technology Management: 17 semester credits in Master of Business Administration courses including Master of Business Administration 505, 506, 507, 526, 621, 626, 635, 670, 675, 680, 685, 690; twelve semester credits of concentration courses (4), and Master of Business Administration 800.

Requirements for the Certificate Program in Styles and Strategies of Managing Non-Profit Organizations: The Certificate program is for graduate students that do not wish to get a Masters degree. If the following courses are successfully completed, the student will receive graduate credit for the four courses, a certificate, and the opportunity in the future to apply the credits towards a Masters degree: Master of Business Administration 741, 742, 743, 744.

Requirements for the Certificate Program in Health Care Management: The Certificate program is for graduate students that do not wish to get a Masters degree. If the following courses are successfully completed, the student will receive graduate credit for the four courses, a certificate, and the opportunity in the future to apply the credits towards a Masters degree: Master of Business Administration 754, 755, 756, 757.

**I. FOUNDATION COURSES**

(Each Foundation Course Required of All Students)

**MBA 505. Statistical Methods for Decision-Making****3 Credits**

Basic statistical techniques for decision-making; frequency distribution, descriptive measures, probability, sampling, distributions, estimation, tests of hypotheses, regression and correlation analysis and basic concepts of modern (Bayesian) decision theory. (May not be taken without GMAT results.)

**MBA 506. Financial Accounting****3 Credits**

This course consists of discussion of and the accounting implications of generally accepted accounting principles as they relate to recording of financial transactions and the preparation of financial statements. As such, it includes the framework and environment of accounting; balance sheet equation; income measurement; elements of accounting cycle; accounting for revenues and receivables; cost measurement; accounting for inventories, non-current assets, bonds, stockholders; equity; inter-corporate investments, financial reporting, cash flow statement, and financial statement analysis. Emphasis is placed upon the significance of financial ratios and interpretation of financial statement items for managerial decisions. Prerequisites: None.

**MBA 507. Managerial Accounting****3 Credits**

Concepts and methods of both internal (managerial) and external (financial) accounting. Emphasis on financial reporting and cost accounting, including cash flow, sources and uses of funds to yield financial data for internal management decision-making, planning and performance evaluation. Case approach for developing accounting as a quantitative management decision making tool. Prerequisite: Master of Business Administration 506.

**MBA 526. Macroeconomic Analysis for Business****3 Credits**

Analysis of the nation's economy and its impact on business, employment/ unemployment, price levels, consumption, investment, interest rates, business cycles, forecasting, general growth theory, government policy and international business. Prerequisite: None.

**II. CORE COURSES**

(Each Core Course Required of All Students)

**MBA 621. Organizational Theory, Behavior and Communication****3 Credits**

Study of the organization (for-profit and non-profit) as a complex system; line and staff functions, administration/leadership styles, motivation and group dynamics -- and impact of each on the achievement of organizational goals. Special emphasis on organizational communication. Prerequisite: None.

**MBA 626. Managerial Economics****3 Credits**

Application of economic principles to management decision-making; decision theory, demand theory/sales forecasting, linear programming, production and costs, pricing and capital budgeting. Prerequisite: Master of Business Administration 505, 506, 507, 526.

**MBA 635. Legal and Social Environment of Business****3 Credits**

Substantive law affecting American business: contracts, the uniform commercial code, creditors and debtors, kinds of business organizations, litigation and other means to resolve disputes, consumer protection, torts, anti-trust law and legal aspects of management-labor relations. Public law and government regulations of business. Social responsibilities of business and ethics in business practice. Prerequisite: None.

**MBA 690. Leadership Through People Skills****3 Credits**

Intensive five-day seminar (7:30 AM to 7:00 PM) with objective of creating better business managerial results through the study of behaviors, communication process, and motivation. Course completion graded on Pass/Fail basis. Prerequisites: Twenty hours of pre-work, assignments which MUST be completed PRIOR to the five day seminar. Course may be taken any time during the program.

**III. MANAGEMENT DECISION-MAKING COURSES**

(Each Management Decision-Making Course Required of All Students)

**MBA 670. Operations Management****3 Credits**

Quantitative techniques and operations research applied in operations management to both service and manufacturing activities: trade-off analysis, inventory control, aggregate planning, logistics, scheduling and systems analysis. Applications to cost centers rather than profit centers. Special applications of operations management to profit and non-profit service organizations. Prerequisites: Master of Business Administration 505, 506, 507, 526, 626.

**MBA 675. Financial Management****3 Credits**

Analysis of business financial management: sources and uses of funds, raising funds from internal versus external sources, long term versus short term funding decisions, the cost of capital, alternate uses of capital, using leverage, security in borrowing/lending, dividends versus retained earnings, and use of the financial market. Prerequisites: Master of Business Administration 505, 506, 507, 526.

**MBA 680. Marketing Management****3 Credits**

Marketing approach to managerial decision-making: goal-setting, marketing strategy and tactics, marketing planning, developing an optimum marketing mix, customer target groups, consumer market behavior, management of advertising and sales, meeting competition and measuring accomplishments against goals. Prerequisite: 526.

**MBA 685. Human Resource Management****3 Credits**

Human resource management at the first-line and middle-management levels of personnel administration. Forecasting employment needs, attracting and orienting personnel, legal aspects of personnel selection, performance appraisal, motivation training and development, salary and promotion policies, discipline, and labor relations. Prerequisite: None.

**IV. ELECTIVE COURSES**

(Any Two Courses Are Required of Management Generalist Program Students)

**MBA 700. Entrepreneur and Small Business Management****3 Credits**

This course is designed to trace the entrepreneurial process from the initial idea through business operations to the harvest. It is organized into four parts: (1) The Entrepreneurial Process; (2) Evaluating Opportunity and Developing the Business Concept; (3) Assessing and Acquiring Resources; and (4) Managing and Harvesting the Venture. Cases are extensively used throughout the course. Prerequisites: MBA 505, 506, 507, 680.

**MBA 710. Business Ethics****3 Credits**

A study of the basic concepts of ethics as typically referred to in western civilization and a testing of the basic hypothesis of the concepts. Through formal lecturing, case studies, from dialogue, and with the help of guest lecturers--working premises, assumptions, and principles regarding business ethics are analyzed. Delivery of a case study required. Prerequisite: None.

**MBA 715. Executive Management Seminar (Selected Topics)****3 Credits**

This course will provide for the study of a number of important management areas as a function of advancing management technology and the availability of outstanding external faculty expertise. Important management areas will be selected by the external faculty members at the time of scheduling each course.

**MBA 720. The Interrelationship of Work and Family Systems****3 Credits**

Analysis of work and family as systems (values, norms, behaviors); survey of historical and sociological perspectives; examination of policy issues; institutional responsibility for family; cost benefit dilemmas; development of strategies to identify and manage areas of work / family impact. Prerequisite: None

**MBA 725. The Management Consulting Profession****3 Credits**

This course is designed to provide the student with insights to building and managing a successful management consulting practice. It is organized into five parts: (1) The Consulting Profession; (2) The Marketing of Consultant Services; (3) Models and Methods for Consulting; (4) Stages in Consulting; and (5) Key Factors for a Successful Practice. Prerequisites: MBA 505, 506, 507, 621, 685.

**MBA 730. International Management Environment****3 Credits**

This course is designed to provide the student with an understanding of the challenging new international environment in which American business must operate. The course examines in turn: patterns of international interdependence; international trade; foreign exchange; international monetary system; balance of payments and international debt; foreign investment and multinational corporations; and the effect of culture upon doing business abroad. Prerequisites: MBA 505, 506, 507, 680.

## V. CONCENTRATIONS

Students electing a concentration are required to take the four courses shown for the concentration selected.

### STYLES AND STRATEGIES OF MANAGING NON-PROFIT ORGANIZATIONS CONCENTRATION AND CERTIFICATE PROGRAM

(All four courses are required)

#### **MBA 741. Introduction to Non-Profit Organizations--Programming 3 Credits**

The introductory phase of this course presents the history and characteristics of non-profit organizations. This includes studying: 1. The process of statutory establishment of non-profit status; 2. The pressures that continually influence the statutory parameters; 3. The actual criteria for qualification as a non-profit organization; 4. What functions, what professions and what people compose the non-profit sector. The focus moves to studying the relationships and interdependencies of the major systems (private and public non-profit and profit) including policy making, funding, and accountability. The final focus of the course is on programming. Programming is the theme for studying community needs assessment, mission setting of an organization, program development, implementation and evaluation. Prerequisites: 505, 506, 507, 621,685.

#### **MBA 742. Funding Strategies for Non-Profit Organizations 3 Credits**

The object of this course is to identify the funding sources of non-profit organizations, followed by the study of processes and strategies for seeking these funds. The profit sector offers sources of funds that are used by nonprofit organizations. These funds are available through mechanisms that range from fees, dues, and contributions, to contracts and grants. The public sector is both a provider of funds and a user of funds. Study focuses on taxation as a source of funds and budgeting processes for use of the funds. The private non-profit sector is also both a provider of funds and a user of funds. The course emphasizes the development of grant writing and contracting skills. Prerequisites: 505, 506, 507, 621,685, & 741.

#### **MBA 743. The Non-Profit Manager--Styles and Strategies 3 Credits**

The non-profit manager develops a style that is generally less direct than profit. Sector counterparts, instead, utilizing skills of negotiation, consensus building, and similar examples of influence techniques. The public sector is a complexity of political structures with a manager needing skills in both political structures and political analysis, and the ability to understand and assess local and national power structures and decision making processes. This course also stresses the unique aspects of planning and marketing in the non-profit sector. Special emphasis is given to human resources. Prerequisites: 505, 506, 507, 621,685, 741, & 742.

#### **MBA 744. Accountability of Non-Profit Organizations 3 Credits**

The emphasis of this course is on accountability. This includes looking at both accountability to external entities and to the internal management process. The course includes the study of law and rule making at all levels of government which mandate accountability as well as comparable expectations from non-public organizations. There is an emphasis on the unique accounting procedures and techniques of non-profit organizations. There also is an emphasis on auditing procedures, both financial and programmatic. Prerequisites: 505,506, 507, 621,685, 741,742, & 743.

### FINANCE CONCENTRATION

(All four courses are required.)

#### **MBA 750. Financial Policy and Decision Making**

**3 Credits**

Analyzes financial management through case study and a prescribed set of readings. Teaches the identification and evaluation of financial problems and the weighing of feasible solutions in order to recommend the "best" course of action. Special emphasis will be on decision making and policy formulation involving allocation of capital, planning of capital spending for long- and short-run, capital budgeting problems, mergers and acquisitions and cost of capital. Prerequisites: MBA 505, 506, 507, 526, 675.

**MBA 751. Investment and Portfolio Management****3 Credits**

This course is an intensive study of the theory and practices underlying management of investment portfolios for individual persons and for institutional investors in view of the particular objective of each. Risk management techniques for portfolio management, bond portfolio techniques, capital asset pricing theory, efficient market hypothesis, arbitrage pricing theory, valuation of corporate debt, and special topics are covered. Prerequisites: MBA 505, 506, 507, 526, 675.

**MBA 752. Capital Sources and Return on Investment****3 Credits**

This course is designed to cover key areas of finance in greater depth than in MBA 675 (Financial Management), to apply basic financial analysis techniques, to investigate the latest financial theories, and to allow students to investigate financial topics of their choice in depth. Special emphasis will be given to developing new skills, techniques and viewpoints, especially as they relate to cash flow analysis and to various sources and forms of capital available to firms. Prerequisites: MBA 505, 506, 507, 526, 675.

**MBA 753. Security Investments, Markets, and Techniques****3 Credits**

The objectives of this course are to give the participant an in-depth understanding of corporate and personal security investments. Attention will be given to corporation earning performance and its effect on the valuation of its common stock and preferred securities. Equal attention will be given to understanding the stock exchanges, personal investment analysis, portfolio construction, trading techniques and profit maximization. Prerequisites: MBA 505, 506, 507, 526, 675.

**HEALTH CARE MANAGEMENT CONCENTRATION AND CERTIFICATE PROGRAM**

(All four courses are required)

**MBA 754. Health Care Economics****3 Credits**

This course evaluates reimbursement strategies, social and political factors that affect the usage of health facilities and the payments for services, and changes in patterns of use of health care providers. Budgeting and financial management are considered in relation to these issues. Trends in business forecasting that influence both non-profit and for-profit organizations are studied. Prerequisites: 505, 506, 507, 526, 621,626, & 685.

**MBA 755. Health Care Systems Survey****3 Credits**

This course reviews the spectrum of health care from maintenance of wellness programs through acute care in hospitals to extended care and home care. Case studies are the primary manner for studying the integration of these levels of care with an emphasis on cost containment through effective usage of each level. Prerequisites: 505, 506, 507, 526, 621,626, 685, & 754.

**MBA 756. Information Systems Management in Health Care****3 Credits**

This course focuses on the role of the manager in relation to the organization's data base system. A study of computer technology, data structure and development of data support systems is included. Specific issues covered are the relationship of the mainframe to the personal computer, the creation and use of spreadsheets, the provision of computer security, and the development of auditing techniques through effective use of the information system. Prerequisites: 505, 506, 507, 526, 621,626, 685, 754, & 755.

**MBA 757. Ethical Issues in Health Care Management****3 Credits**

This course is designed to emphasize the manager's responsibility to society to develop systems that allow the most cost effective health care to be provided to the entire population. Issues examined include the exclusion of segments of society from health care due to cost, duplication of health services in a community, and management of higher costs associated with chronic illnesses and increased longevity without a reduction in the quality of care. Also, subjects that often create controversial situations are reviewed, such as living wills, organ donation, etc. Prerequisites: 505, 506, 507, 526, 621,626, 685, 754, 755, & 756.

**MARKETING CONCENTRATION**

(All four courses are required.)

**MBA 771. Marketing Ethical and Current Issues****3 Credits**

Review and application of marketing management strategy. Individual marketing topics, pre-approved by faculty, are researched by seminar members who report regularly to the seminar for critical evaluations. Research paper required. Prerequisites: MBA 505, 506, 507, 526, 680.

**MBA 772. Advanced Marketing Research****3 Credits**

The research process, pertaining to Standard Survey Techniques Experimental Test marketing applications of techniques and methods used to gain market knowledge. Data analysis, interpretation and correlation of data to problem solving. Preparation of the M-R-Report. Meetings will consist initially of lectures to prepare the student with a foundation of research methods. Case studies will be used to reinforce the text and applications of the data learned. Statistics will be employed to analyze and test data for congruence and decision making. Prerequisites: MBA 505, 506, 506, 526, 680.

**MBA 773. Advanced Marketing Management and Strategic Planning****3 Credits**

This course is designed to cover marketing situations involving product development, pricing, promotion and distribution problems of an advanced nature. The management of systems and policies that guide the marketing effort are reviewed. Case studies will be utilized to reinforce marketing knowledge. Lectures will be used in the first part of class to review prior case studies and to outline implied strategy for subsequent case study. Prerequisites: MBA 505, 506, 507, 526, 680.

**MBA 774. Consumer Behavior and Market Communications****3 Credits**

Purpose of the course is to provide a study of methodology of segmentation and the means of communicating with the selected market. Sales management focuses on one segment of the promotional mix and, since it represents in many companies the most promotional portion of the budget, an in-depth look is made as to measurement, assignment, control, and strategy in the promotional aspects of personal selling. Prerequisites: MBA 505, 506, 507, 526, 680.

**MANAGEMENT INFORMATION SYSTEMS CONCENTRATION**

(All four courses are required.)

**MBA 781. Structured Systems Analysis****3 Credits**

This course will allow the student to communicate with professional CIS Personnel, to gain experience in the computerization of business principles, to learn integrated structured techniques of problem solving for the user manager and to understand terminals and data base systems. Major topics will include: detailed analysis and feasibility studies, systems design, system development, implementation and testing. Prerequisites: MBA 700.

**MBA 782. Decision Support Systems****3 Credits**

This course will use current technology in decision making, the development of a Decision Support System and practical experience in development of DSS. Major topics will include: framework of DSS, process of building a DSS, System Analysis Interface with DSS, integration of DSS within the organization, technology components for DSS, and the role of Data Base Management in DSS. Prerequisites: MBA 700, 781.

**MBA 783. Data Communications****3 Credits**

This course will give the student an appreciation for the scope of business and industry telecommunications, explain the basic principles that apply to the design of telecommunications and present methods for solving telecommunications problems. Major topics to be covered are: fundamental concepts, transmission systems, software, hardware and overview of telecommunications industry. Prerequisites: MBA 700, 781, 782.

**MBA 784. Microcomputer Workstations: Principles and Applications****3 Credits**

This course provides in-depth coverage of the role of the microcomputer workstation in meeting the needs of cooperate information processing. Emphasis is on microcomputer hardware and software management from perspective of the CEO, manager and end-user.

### **TECHNOLOGY MANAGEMENT CONCENTRATION**

(All four courses are required.)

#### **MBA 790. Manufacturing Quality Control**

**3 Credits**

This course will consider modern techniques and procedures in the elimination of scrap and waste of labor, materials, energy, and capital investment involved in the non-productive use of resources. Concept and techniques for the maintenance of quality production to gain competitive and market advantage will be discussed. Course topics will include probability and statistics, quality assurance strategies, computer-aided inspection, testing, reliability and predictability, process variability control and limitations, and statistical quality control. Prerequisites: MBA 505, 506, 507, 526, 670.

#### **MBA 791. Production Scheduling and Inventory Control**

**3 Credits**

The objective of this course is to present concepts of optimization and integration of marketing, forecasting, production scheduling and manufacturing in order to develop the interrelationships of these functions. The various types of inventories such as raw materials, work in process, and finished goods, will be reviewed. The effect of scheduling and inventory management on order-fill ratios, cash flow, profitability, staffing requirements, maintenance and facility planning, will be considered. Course topics will include production systems, inventory models, operations management, decision making, optimization methods, process equipment layout, plant design and location, capacity analysis, inventory management systems, and just-in-time production. Prerequisites: MBA 505, 506, 507, 526, 670.

#### **MBA 792. Modern Manufacturing Systems**

**3 Credits**

The concept of working faster through application of computerized and automated manufacturing machinery and methods will be presented. Course topics will include such subjects as robotics, automation, numerically controlled machines, tooling levels and programming, mass production and batch manufacturing, optimum lot size and line balancing. The Japanese approach to manufacturing will be presented and analyzed. Prerequisites: MBA 505, 506, 507, 526, 626, 670.

#### **MBA 793. Computerized Integrated Manufacturing**

**3 Credits**

This course will present the objective of working smarter. This will be covered conceptually and through examples drawn from practice. An extensive discussion of the Factory of the Future will be presented. Course topics will include computer-aided engineering, CAD/CAM, group technology, computerized process planning, manufacturing calls and flexible manufacturing, modern manufacturing personnel policies and organization, and computer integrated manufacturing. This course will require a good understanding of the concepts and application of modern distributive network computer systems and capabilities. Prerequisites: MBA 505, 506, 507, 526, 670.

### **VI. Capstone Seminar**

(Must be taken by all students)

#### **MBA 800. Policy Formation and Implementation**

**3 Credits**

Formulating and implementing business policy. Draws upon all analytical tools and business administration knowledge developed in all previous graduate-level courses. Can be taken after completion of 500 and 600 level courses. All requests for prerequisites waivers must be approved on a case by case basis by the Director.

### **MASTER OF CRIMINAL JUSTICE**

#### **College Of Human Services Program Description**

The Master of Criminal Justice Program at St. Ambrose University is a multi-disciplinary management development curriculum. The MCJ degree is designed to produce skilled practitioners for leadership positions in enforcement-security and corrections-human services. The MCJ Program is useful also for those wishing to teach criminal justice or for service as a personnel and training specialist in a justice-related organization. Professional studies options are available in resource management, and human services.



**Degree Requirements**

The MCJ is a 36 semester credit professional development program. Candidacy for the degree is achieved after completion of coursework and successful completion of a written comprehensive review covering criminal justice studies. The final requirement is the MCJ Project with oral defense. The student must maintain a B average in all work for the degree. Only two "C's" are allowed with each offset with an "A." There is no residency requirement. The degree student is expected to make steady progress with completion of the degree normally within five (5) calendar years.

**Application Information**

Before commencing coursework, a student must seek admission to the MCJ Program as a degree student or as a special student. The special student category means taking selected work for professional development only, whereas the degree student category signifies intent to complete the MCJ Program. Each student seeking admission to the MCJ Program must complete an official application in compliance with all requests described therein. The application is the basis for admissions consideration, but a personal interview with the MCJ Admissions Committee may be requested of each applicant. All accepted applicants will enter the program as "special" students, and will become degree students with the achievement of candidacy. Refer to the sections, Admission Procedure and Candidacy.

**Admission Procedure**

If a person has an accredited undergraduate degree with a major in Criminal Justice or a related major with at least two (2) years of professional work experience, she/he may apply for admission to the Master of Criminal Justice Program at St. Ambrose University. Following are specifics:

1. Complete the MCJ application form, complete with the professional goals statement, the names and addresses of two (2) recommendation letter requests, and an application fee of \$25.00.
2. Request a complete and official transcript from the institution that granted your bachelor's degree be sent directly to the Director, MCJ Program, St. Ambrose University, 518 West Locust Street, Davenport, Iowa 52803. An official copy is one sent from the institution directly to St. Ambrose University. Also have forwarded an official transcript of any graduate coursework you may have completed.

**Transfer Credit**

MCJ students may transfer a maximum of 6 graduate credits from another accredited college or university. Transfer of credit approval must meet the following criteria: the credit was earned within the last five (5) years, it is graduate credit, the final grade was at least a B, and it is determined to be relevant to the MCJ Program at St. Ambrose University.

**Candidacy**

Candidacy for the MCJ degree is achieved after completion of coursework and successful completion of the written comprehensive review covering work in Criminal Justice. Exam sessions are held as needed on a Saturday in January and May--ON CAMPUS--each year. Students may enroll in MCJ 701 Criminal Justice Research only after achieving candidacy status. NOTE: It is the student's responsibility to initiate candidacy by requesting an Application for Comprehensive Review and Candidacy from the MCJ Director. This should be done after completion of 21-24 credits of work.

**Program Of Studies**

Requirements for the Master of Criminal Justice: 36 semester credits including: 9 semester credits in Foundation courses: Master of Business Administration 526, 621, 685 or 690; 12 semester credits in Master of Criminal Justice courses: Master of Criminal Justice 610, 620, 630, 640, 701, 702; 9 semester credits in Professional Studies: Master of Business Administration 505 or Education 710 and 6 semester credits in any combination from the following Resource Management and/or Human Service options:

Resource Management: Master of Business Administration 506, 507, 635, 680, 685, 690, 710, 720, 780.

Human Services: Master of Criminal Justice 501, 503, 507, 650, 660; Master of Pastoral Studies 542, 543, 552, 560, 620; Special Education 500, 510, 513, 520, 530, 540, 660, 715, 720, 730, 750, 751.

## COURSE DESCRIPTIONS

### **MCJ 501. Independent Study**

**1-3 Credits**

Specialized readings and applied research in Criminal Justice. Requires Director approval.

### **MCJ 503. Workshop**

**1-3 Credits**

Topics and activities are designed to offer practical skill development opportunities useful to criminal justice practitioners. May be repeated to a maximum of 3 semester credits if topics differ. Requires Director approval.

### **MCJ 507. Seminar in Criminal Justice**

**3 Credits**

A capstone seminar focusing on analysis and evaluation of current practice, with emphasis on ethical and operational issues confronting the criminal justice practitioner. Requires Director approval.

### **MCJ 521. Practicum**

**3-6 Credits**

Field observation and research under professional supervision in a criminal justice or human services-related agency. Arranged with Director approval. (Graded option)

### **MCJ 610. Crime Policy Analysis**

**3 Credits**

Examination of criminological theory with analysis and evaluation of the consequences for crime policy, as a guide to professional practice. Prerequisite: Graduate status.

### **MCJ 620. Criminal Justice Organizations**

**3 Credits**

Administrative systems analysis of political, and organizational dimensions of criminal case process through the agencies of criminal justice. An applied research project is required. Prerequisite: Graduate status.

### **MCJ 630. Organization Development**

**3 Credits**

Examines the systems approach to planned organizational change from the perspective of applied behavioral science. Emphasis on operational components, participatory leadership, action research, team-building, conflict resolution, and organization renewal. Prerequisite: Master of Business Administration 621 or Master of Criminal Justice 620.

### **MCJ 640. Proseminar: Criminal Justice Leadership**

**3 Credits**

A leadership development seminar focusing on the nature and sources of conflict within and between criminal justice and human service agencies. Organizational problems are identified and addressed through an action research model. Prerequisite: Master of Criminal Justice 630.

### **MCJ 650. Correctional Counseling**

**3 Credits**

Theory and practice of counseling with emphasis on reality therapy with youthful offenders in educational, human service and correctional settings. Prerequisite: Graduate status or permission of the Instructor.

### **MCJ 660. Stress and Crisis Management**

**3 Credits**

Recognition and identification of personal and social stress crisis situations, and the development of interpersonal/group strategies for school, social service, and justice personnel. Prerequisite: Graduate status or permission of the Instructor.

### **MCJ 701. Criminal Justice Research**

**3 Credits**

Research methods in criminal justice. Each student will select a topic approved for investigation, and will prepare a research proposal as the basis for the MCJ Project. Prerequisite: Taken before MCJ 702 and after all other MCJ program courses and comprehensive examinations have been completed.

### **MCJ 702. MCJ Project**

**3 Credits**

The study proposed and approved in MCJ 701 will be conducted, with the results reported in academic form. Oral defense of the MCJ Project is required. Prerequisite: Master of Criminal Justice 701. IP grade option.

## **MASTER OF HEALTH CARE ADMINISTRATION**

### **COLLEGE OF BUSINESS**

#### **Program Description**

The Master of Health Care Administration (M.H.C.A.) Degree program at St., Ambrose University is accredited by the North Central Association of Colleges and Schools and is approved by the Iowa Department of Education for Veterans Administration benefits.

The fifteen course (45 semester credits) curricula is given during weeknights and Saturdays to accommodate the part-time student who wishes advanced study in the field of health care administration. Both quantitative and qualitative skills will be developed through these courses, with emphasis on not-for profit health care administration concepts and close attention given to "real life" applications. Didactic and seminar classes are used to facilitate comprehension and application of these concepts.

#### **Admissions Requirements**

A person with an undergraduate degree in any field may apply for admission to the Master in Health Care Administration Program. While all students are welcomed in the program, it is only fair to emphasize that undergraduate background outside of business or health care may not have fully prepared a student with the skills necessary for successful completion of this specialized program.

Students may be admitted for the fall, spring, or summer semesters. Although applicants can be admitted to the program without having-taken the GMAT, they must meet the requirements listed below by the completion of their first four courses:

1. Complete the Application For Admission To St. Ambrose University form. Return to the College of Business Office the application form with a \$25.00 non-refundable application fee payable to St. Ambrose University.
2. Supply official transcripts from all undergraduate and graduate institutions attended. (An official transcript is one sent directly to the St. Ambrose Master of Health Care Administration Office from the institutions attended.)
3. Submit an official GMAT score. Information regarding the test can be obtained for the St. Ambrose Master of Health Care Administration Office.
4. File a complete graduate application form with a \$35.00 non-returnable fee one semester before graduation.

#### **Admission Status**

The admission formula is figured by multiplying your undergraduate grade point average by 200 and adding the GMAT composite score. A minimum score of 950 based on this formula is required for full-status admission.

Students with a total score of less than 400 on the GMAT or 950 on the minimum standard are reviewed for conditional admission status (provisional or probationary) on an individual basis by the Graduate Studies Admissions and Retention Committee.

Provisional admission status may be granted when a student's file is incomplete. The provisional student is required to provide all missing information promptly.

Probationary admission may be granted after review by the Graduate Studies Admissions. Such status implied concern about the academic success of the student. Removal from probationary admission status requires successful compliance with conditions indicated by the H.C.A. Director. All admission decisions will take into consideration the student's personal motivation to succeed.

Students will be required to take a special M.B.A. course in quantitative methods if their quantitative' scores on the GMAT are below the 35th percentile.

### **Courses By Examination**

Students who have required knowledge and experience in foundation, core (except LTPS) and decision-making courses may take the courses "by examination" with approval of the M.B.A. Director. Testing out procedures are available in the M.B.A. Office and a fee is charged.

### **Academic Status**

Only two "C" grades are acceptable in the M.H.C.A. program, and each must be offset with an "A."

A "B" (3.00 point) average or above is to be maintained in all coursework to remain in good academic standing. A 3.00 point or above is required to graduate.

Failure to meet these academic requirements will cause a probationary status. Students need to remove themselves from probation within two consecutive semesters.

A student dropped for academic deficiency may apply for readmission to the M.H.C.A. Program after one semester has elapsed.

### **Degree Requirements**

Requirements for the Master of Health Care Administration Degree (45 Semester Credits):

Foundation Courses: Health Care Administration 526; Master of Business Administration 505, 506, 507.

Core Courses: Health Care Administration 600, 635; Master of Business Administration 756, 690.

Decision Making Courses: Health Care Administration 640, 650, 660, 670  
Executive Courses: Health Care Administration 800, 805, 810.

## **COURSE DESCRIPTIONS**

### **HEALTH CARE ADMINISTRATION**

#### **HCA 526. Economic Analysis in Health Care Management 3 Credits**

The purpose of the course is to evaluate the macro- and micro-economics of health care management and the health care system. The basic concepts of economics are expanded into the health care system, its supply and demand characteristics, financing and the various concepts of revision. The health care system is driven by different dynamics than the classical economic market place. The student needs to understand the differences (and some similarities), both qualitatively and quantitatively, between manufacturing economics, finance and that of the service community, so that they may be part of basic decision making in health care management. Case studies will be used to help emphasize "real world" application.

#### **HCA 600. Accounting in Not For Profit Organizations 3 Credits**

The purpose of this course is to provide an in-depth review of the accounting procedures for a not-for-profit organization. This course deals specifically with the financial recording of transactions, preparation and interpretation of financial statements, return on investment considerations, sale and purchase of bonds, securities, endowments, management of employee trust retirement funds, accounting for subsidiary corporations, managerial financing concepts, cost accounting, budget strategies, and strategic financial planning. Time will be spent on the critical difference in NFP financial management and how these differences affect the decision making processes. Prerequisites: Master of Business Administration 506, 507.

#### **HCA 635. Legal Issues in Health Care 3 Credits**

The purpose of this course is to acquaint the health care student with the legal environment, both internal and external, faced by a health care provider and it's manager. An ever increasing volume of regulations and tort activities have affected the health care system and it's providers over the

past ten years. This course will look in detail at malpractice, risk management, tort law and tort reform, OSHA regulations, construction of organizational charters, bylaws, rules and regulations, legal constraints on organizational management, laws affecting subsidiary corporations, internal and external legal environment for health care provider, tax law, human resource laws and regulations in hiring/ firing, and benefit/retirement trust management.

**HCA 640. Life Cycle Health Care Systems****3 Credits**

The purpose of this course is to analyze the various types of health care systems and organizations and their management practices. The course will review the basic differences between the management requirement of HMO/PPO, Supermed; hospitals, free standing clinics; subsidiary entities; group and private practices; government agencies; peer review organizations; managed care organizations; third party payers; fiscal intermediaries; independent physician/provider organizations; community based services (VNA, Agency on Aging, support groups); and community health centers. The macro/ microeconomics and legal issues that affect each of these will be also explored. The emphasis will be on the managerial challenges of each of these entities. Prerequisites: Health Care Administration 526, 635.

**HCA 650. Financial and Strategic Planning****3 Credits**

The purpose of this course is to correlate and coordinate previous health care accounting and financial principles and practices into a concise quantitative ,financial, and strategic planning concept. The course will focus on the managerial decisions needed in sources and uses of funds; raising of funds and capital; alternative uses of capital; borrowing and bonds; strategic budgeting; financial strategic planning; cash flow management; and the focused financial management needed in NFP organizations. The close relationship of financial management and strategic planning will be reviewed. Case studies will be used to demonstrate concepts. Prerequisites: Master of Business Administration 505, 506, 507; Health Care Administration 600.

**CA 660. The Marketing of Health Care Systems****3 Credits**

The purpose of this course is to explore the new area of ethical marketing of health care services and to develop a base on which to build a focused marketing plan for a health care provider. The course will explore the legal restraints placed on the marketing of health care services. The economy has driven various members of the health care delivery system into marketing systems and the class will explore these reasons - their benefits and their downsides. Various market survey techniques will be reviewed and their validity discussed. The basic steps in a strategic marketing plan will be reviewed. The differences and similarities between marketing for goods vs. health care services will be discussed. Marketing techniques, both qualitative and quantitative, will be discussed in detail. Prerequisites: Health Care Administration 526, 635.

**HCA 670. Human Behavior in Health Care Organizations****3 Credits**

The purpose of this course is to understand the psychology and management of people in health care organizations, both large and small. The course will explore the various aspects of the psychology of motivation, empowerment, training, performance appraisal, reward systems, and superior/subordinate relationships. An understanding of the psychology of group dynamics will be developed to include an exploration of the legal aspects of people management, harassment, discipline, hiring/firing, and documentation techniques. The student will learn the constraints of decision making with and about employees, and how to overcome or protect oneself from them. Some time will be spent on unions, the grievance process, and concerns for minorities and women. The legal considerations of advertising for employees and the regulations regarding such advertising and interviewing will be discussed. Prerequisites: Health Care Administration 635; Master of Business Administration 690.

**HCA 800. Professional Ethics in Health Care Management****3 Credits**

The purpose of this course is to discuss current issues in the ethics of health care and their relationship to health care delivery systems. Through case studies and discussion from the text, the various ethical issues of health care restriction, cost containment, under or uninsured, eldercare at the expense of early life care, termination of life support, living wills/powers of attorney, organ donation, fetal genetic assessments for congenital diseases that may affect adult life functioning, malpractice, licensing and accreditation, and AIDs screening in health care personnel will be discussed. Prerequisites: Health Care Administration 635.

**HCA 805. Selected Issues in Health Care Management****3 Credits**

The purpose of this course is to expand on current issues in health care that will be important to the health care manager. This will be an executive seminar course, with case studies and student presentations. The subjects may vary, but will focus on issues not covered in the prerequisite courses or in the ethics course. Topics will include stress management, managed care and benefits administration, use of PC work stations as a management tool (spread sheets, graphs, etc.), health care politics, geriatrics/eldercare and its financing, understanding staffing techniques, total quality management in the health care industry, CEO management skills in a health care organization, etc. Prerequisites: Health Care Administration 526, 635, 640.

### **HCA 810. Capstone Seminar in Health Care Management                      3 Credits**

The purpose of this course is to bring together all the basic aspects of the Health Care Administration Program courses during the evaluation and discussion of case studies. Each case will have some issues from the prerequisite classes that will require development by the student and a decision made at the time of the student presentation. These will be individual presentations to the class which will then act as a board of directors and question the presenter on data development and conclusions. The presentation will be similar to a term paper and will require extensive preparation of data. Prerequisites: All foundation, core, and decision making courses, plus two of the three executive courses, or by special arrangement with the Program Director.

Required Master of Business Administration Courses

(For Course Descriptions See Foundation Courses for MBA 505-690 and Health Care Administration Concentration for MBA 756)

MBA 505. Statistical Methods	3 Credits
MBA 506. Financial Accounting	3 Credits
MBA 507. Managerial Accounting	3 Credits
MBA 690. Leadership Through People Skills	3 Credits
MBA 756. Information Systems Management in HealthCare	3 Credits

## **MASTER OF PASTORAL STUDIES**

### **College Of Arts And Sciences**

#### **The Program**

The Master of Pastoral Studies (MPS) program at St. Ambrose University offers to men and women involved in active ministry a program of professional and personal growth to enable them to participate more fully in the variety of pastoral responsibilities and ministries within the church.

The Program includes educational, formational and experiential components. The MPS degree can be pursued on a full-time (3 years) or part-time (5 years) basis. Moreover, the program is designed to incorporate the experienced-based learning style that is proper to adults, recognizing the ministerial background that the participants bring with them to the program.

Small classes allow sharing and cooperation between students and teachers in the process of growth in ministry. With academic advising, students are able to fashion a program of studies, around a number of foundational courses, to meet their unique pastoral needs. The goal of the program is to assist the students in achieving new levels of understanding, integration, and expertise in ministry so that they may be of greater service to the faith community.

The focus of the program is on those who intend to minister in the communities and institutions of the Roman Catholic tradition although members of other religious traditions will find the program broadly ecumenical and careful to respect and build upon religious, cultural and gender diversity. The course load of the program is designed for the part-time student who could take a maximum of two courses per semester (six semester credits) and one to three courses during the summer session (nine semester credits).

Courses and intensive three-week programs in theology, scripture, ministry, spirituality, counseling, human and behavioral social systems will be taught with special concern for pastoral application.

**Requirements For Admission**

- o Accredited baccalaureate degree
- o Undergraduate Grade Point Average of 3.00 on an 4.00 scale
- o 9 Hours of theology including: Introduction to Theology Introduction to the New Testament Introduction to the Old Testament

(Conditional admission to the Program may be granted while students are fulfilling these prerequisite courses.) Two years of ministry experience after undergraduate education

**Degree Requirements**

32 graduate credits which include 12 credits in the foundational courses (two courses in each area of study: [1] Theology and Scripture; [2] Pastoral Ministry and Management; completion of 3 semester credits of an Integration Project. The student must maintain a B average in the coursework. (Only two "C 's" are allowed.) There is no minimum residency requirement. A student must normally complete the degree within a 5 year period.

**Application Information**

Before registering for a course, a student must seek admission to the University either as a degree candidate or as a special student.

**Procedure for Admission as a Degree Candidate**

If a person has an undergraduate degree in any field and a minimum of two years of ministerial experience, she/he may apply for admission to the St. Ambrose University Master in Pastoral Studies program.

1. Complete the application form for St. Ambrose University.
2. Request a complete transcript from the institution that granted your bachelor's degree be sent directly to the Registrar, St. Ambrose University, 518 West Locust Street, Davenport, IA 52803-2898. (An official copy is one sent from the attended institution directly to St. Ambrose University. Also have forwarded a transcript of any graduate coursework you may have completed in the field of ministry or theology. If you have completed previous graduate work in other areas and want to include the transcript, you may send it, but it is not required.)
3. Request that two letters of recommendation from persons who have either supervised or worked with you in ministry be sent to the Admissions Committee, Master of Pastoral Studies.
4. Return to the Continuing Education Office the application form with a \$25.00 non-refundable application fee payable to St. Ambrose University.

Application and transcripts should be on file at least one month before registration for classes.

After the application materials have been received and reviewed by the Admissions Committee, you will be asked to interview with a member of the Admissions Committee and/or with the counselor advisor to the Admissions Committee. After this you will be notified of the Admission decision.

**Procedures for Admission as a Special Student**

Students may take courses in the MPS program as a special student, non-credit, for Continuing Education Units (CEUs), or as a part of the Certificate in Pastoral Studies program. contact the Director of the MPS program for details.

**St. Ambrose Ministry Matching Grant Program**

St. Ambrose University, anxious to be of service to the Diocese of Davenport and other church-related institutions and to help students who are actively involved in professional ministry and wish to improve their education, provides the following grant:

Students in ministry are asked to acquire the sponsorship of some church institution, e.g., parish, school, diocese, etc. The University grants financial aid of up to one-third for those who receive similar financial aid from their employer, scholarship funds and government loans available.

### **TRANSFER OF CREDIT AND ADVANCED STANDING POLICY**

#### **Transfer of Credit**

MPS degree candidates may transfer a total of 6 hours of graduate credit from another university. Transfer of credit approval is based on the following criteria; the credit has been earned within the last 5 years; it is graduate level work; at least a grade of B has been earned; and it is relevant to the student's degree objectives.

Students seeking approval for transfer of credit must submit a Transfer of Credit form and an official transcript of those credits to the Director of the Pastoral Studies Program.

#### **Advanced Standing**

MPS degree candidates who have participated in substantive educational programs which do not grant academic credit may apply to have such study included as part of their degree work by requesting advanced standing. Advanced standing status is based on the following criteria: participation in the educational program has been within the last five years; the content of the program constitutes graduate level work; applicants complete a written description of specific learning experience as proof of competence; and, the learning experience is relevant to the student's degree objectives. The Director of the Program and Chairperson of the Theology Department in consultation with the Advisory Board of the MPS Program will evaluate advanced standing requests and establish the credit hour equivalency.

Students seeking advanced standing status must submit the request along with a description of the work to the Director of the Pastoral Studies Program.

#### **Workshops and Independent Study**

Workshops and independent study are offered as opportunities for candidates to earn credits over and above normal course offerings. No candidate is to have a total of more than five credits in their overall program that have been received through independent study and workshops.

#### **Integration Project**

Requirements for the MPS degree includes the completion of an Integration Project. The project is intended to assist the student in integrating various foundational and elected courses within the program, with the past, present, and future ministry of the student. This thesis level paper is to be written with the advice and approval of a faculty advisor and pastoral advisor. It should be submitted during or after the last semester of class work. It must be accepted and approved by the candidate's advisor, and the director of the program, or a faculty/pastoral advisor designated by the director.

#### **Graduation Requirements**

1. Submit a graduation application before the deadline indicated in the academic calendar.
2. Complete any transfer of credit from other institutions as described above.
3. Successfully complete the various courses selected in consultation with an academic advisor, so that the number of credit hours, either earned or transferred, totals at least 32 plus the Integration Paper.
4. Receive the approval of the completed Integration Paper in the manner outlined above.
5. Submit the graduation fee to St. Ambrose University.

### **PROGRAM OF STUDIES**

#### **Area of Foundation Courses**

1. Theology and Scripture including: Master of Pastoral Study 505, 504, 521, 530, 550, and 551.
2. Pastoral Management and Ministry including: Master of Pastoral Study 542, 543, 552, 553, and 590.



## Area of Elective Courses

3. Ethics, Peace and Justice
4. Sacramental Life: Spirituality, and Liturgy
5. Pastoral Counseling, Human Relations and Development
6. Religious Education and Evangelization
7. Youth Ministry
8. Pastoral Management

**COURSE DESCRIPTIONS****MPS 505. The Pastoral Use of Scripture****3 Credits**

The use of Old and New Testament biblical themes and persons and their implications for contemporary pastoral challenges such as, image/symbol of minister as person, ecumenism, preaching, authority, worship, prayer, discernment process, relationship between Church/world, etc.

**MPS 504. Pauline Literature: Pastoral Themes****3 Credits**

An exploration of how Paul's experience and the experience of the communities to whom he wrote can clarify and enrich our lives in ministry today. Through lectures, personal reflection and group discussion over assigned readings, professor and students will journey through the Pauline literature together.

**MPS 521. Sacramental Theology****3 Credits**

The life of the Church as expressed in ritual worship is treated from the historical, theological, and pastoral viewpoints. It encompasses the Church's discipline for the celebration of the seven sacraments as well as the sources and interpretation of sign and symbol within the sacramental system.

**MPS 530. Fundamental Moral Theology****3 Credits**

Moral theology today as seen through an examination of its roots in human experience reflected upon in light of relationships within the community nourished by scripture and living tradition.

**MPS 542. An Introduction to Pastoral Care****3 Credits**

All pastoral ministers at some point and level provide pastoral care. This course introduces those leaders to the broad range of concerns, needs, and methods that pastoral leaders need to be aware of to minister effectively and competently. The issues of referrals and confidentiality as well as the fundamental skills for effectively providing pastoral care will be introduced.

**MPS 544. The Art of Christian Pastoral Counseling****3 Credits**

An introductory survey of the dynamic principles and skills needed in various forms of pastoral ministry. The course strives to build upon the theological implications of its nature as Christian with particular care to integrate theory and practice.

**MPS 550. The Mystery of Grace****3 Credits**

A fresh look at the mysterious and transforming presence of God in one's life and the world, presented from an experiential and personalized point of view, with emphasis on the practical consequences of this inquiry for ministry.

**MPS 551. The Church in Ecumenical Perspective****3 Credits**

A study of the emerging consensus on the nature and mission of the Church since Vatican II. Specific problems in ecumenical ecclesiology such as collegiality, the petrine office, infallibility, the mutual recognition of ordained ministry, Eucharist sharing, interfaith marriage, and women in the church will be addressed.

**MPS 552. Pastoral Management****3 Credits**

A practical approach to understanding and developing effective leadership in the parish situation. Emphasis on information-gathering techniques, direction and focus for group visioning and goal-setting, time management, conflict resolution and leadership evaluation. Additional content to include theological understanding of stewardship, recruiting and nurturing volunteers, personal concerns (i.e., job descriptions, contracts, salary benefits, and evaluation), and budgeting.

**MPS 554. New Directions in Ministry****3 Credits**

This is a foundation course in Pastoral Theology. It examines significant changes taking place within the Church today in the areas of theology of ministry, identity of ordained and non-ordained ministry, collaborative ministry, women's role, as well as the historical and spiritual foundations of discipleship.

**MPS 570. Prayer, the Spiritual Life and Liturgy****3 Credits**

In the human context of the contemporary rediscovery of the human interior journey, this course proposes to shed light on the treasury of spiritual wisdom in the history of the Church's growth. It will give serious attention to the full meaning of growth in Christian holiness and the means of attaining it. Particular emphasis will be placed on the Eucharist celebration as the summit of personal/communal prayer within its theological, historical, and ritual foundations.

**MPS 590. Sacraments and Catechesis****3 Credits**

An examination of the theological and catechetical aspects of the Sacraments of Initiation in Light of the Rite of Christian Initiation of adults (RCIA). Liturgical actions that celebrate these sacraments with adults and children will be considered.

**MPS 620. Special Workshops****1-2 Credits**

These workshops provide intensive and specialized learning opportunities for today's ministers. Workshops must be approved by the Director of the MPS Program. Additional requirements for receiving credit will be arranged by the Director with the workshop presenter. (A total of 5 credits will be allowed in the overall program.)

**MPS 625. Guided Study and Research****1-3 Credits**

Students have the opportunity to earn credit hours for guided study and research. Projects must be approved by the MPS Director before registration. An outline of the proposed study project is required. (A total of 5 credits will be allowed in the overall program.)

**MPS 630. Integration Project****3 Credits**

Requirements for the MPS degree includes the completion of an Integration Project. The project is intended to assist the student in integrating the various courses elected within the program with each other, with the past and future ministry of the student, and into the student's own personal life. This extended paper is to be written with the advice and approval of a faculty advisor. It should be submitted during or after the last semester of class work. It must be accepted and approved by the candidate's advisor, and the director of the program, or a faculty member designated by the director.

**Youth Ministry Certificate Program**

Students enroll in eight weekend workshops listed below over a two-year period. They are designed for those desiring specialized knowledge and skills in youth ministry. All courses are taken for 1 semester credit and are graded as "Pass/No Pass".

MPS 591. Principles of Youth Ministry

MPS 592. Foundation of Christian Ministry

MPS 593. Fostering the Faith Growth of Youth Through Evangelization and Catechesis

MPS 594. Fostering the Faith Growth of Youth Through Justice and Peace Service

MPS 595. Fostering the Faith Growth of Youth Through Prayer and Worship

MPS 596. Leadership Process for Youth Ministry

MPS 597. Leadership Skills for Youth Ministry

MPS 598. Counseling the Adolescent

**NOTE:** Youth Ministry Certificate courses cannot be upgraded at a later date. If taken for a certificate on the undergraduate level, they remain at that level. However, students that took one or more courses but did not complete the certificate or apply them to another program, can receive up

to 4 semester credits of advanced standing for them. The regular advanced standing evaluation will be used to assess these courses.

Director of the Master's Program in Pastoral Studies **Rev. Edmond J. Dunn, PH.D**  
**Pastoral Advisory Board**

<b>Rev. Edmond Dunn</b>	Director St. Ambrose University
<b>Ms. Patti Hoffman</b>	St. Joseph Parish, Rock Island, Illinois
<b>Sr. Irma Ries</b>	St. Matthias and St. Mary Parishes, Muscatine, Iowa
<b>Rev. Joseph DeFrancisco</b>	St. Ambrose University
<b>Sr. Peg Bishop</b>	Diocese of Davenport
<b>Mrs. Ilamae Hanisch</b>	Sacred Heart Parish, Newton, Iowa
<b>Mr. Jamie Loftus</b>	St. Ambrose Center for Professional Development
<b>Rev. Drake Sharer</b>	St. Ambrose University

## MASTER OF PHYSICAL THERAPY

### College of Human Services

Physical Therapy is a unique and vital health profession concerned with health promotion, prevention of physical disabilities, and with rehabilitation of persons disabled by pain, disease or injury. Physical therapists serve as a point of direct access to the health care system where they evaluate human capabilities and impairments, and treat patients through the use of physical therapeutic measures as opposed to medicines, surgery or ionizing radiation. Physical therapists are involved in patient care, public education, administration and supervision of physical therapy services, consultation and research.

### THE MASTER OF PHYSICAL THERAPY (MPT) DEGREE PROGRAM

The Master of Physical Therapy (MPT) Degree Program prepares physical therapists for general entry-level professional practice in a manner which meets both current and emerging health care needs. Graduates of the program will provide ethical, legal, and high-quality clinical services; initiate meaningful input to organizations and governmental agencies which have impact on the physical therapy profession and the patients it serves; maintain ethical and collegial interactions with other physical therapists and health care professionals; be committed to physical therapy as a career, which requires life-long learning and self-development.

Students must complete all prerequisite preprofessional courses prior to enrolling in the three year MPT degree program. The program is based on a "three plus three" academic plan. The first three years involve study of liberal arts and sciences towards an undergraduate degree in a major of the student's choice. Students desiring to utilize this plan must apply to the MPT program in their junior year of college. An undergraduate degree must be attained at the end of the fourth year (i.e. at the end of the first year in the MPT program). Students already holding undergraduate or graduate degrees are also encouraged to apply.

The Physical Therapy Department is working on its application for candidacy status of accreditation by the Commission on Accreditation in Physical Therapy Education (CAPTE). An accreditation decision will not be made by the CAPTE until the spring of 1996. Students must graduate from an accredited program in order to be eligible to take state physical therapy licensure examination required for professional practice.

### ADMISSION REQUIREMENTS

The admissions process for physical therapy programs across the country is highly competitive. The average GPA of students admitted to a recent sample of entry-level master's programs was 3.4 (4.0 scale). Since the profession of physical therapy values strong interpersonal skills, and both leadership and service characteristics, MPT program faculty believe that grade point average alone is not a sufficient criterion for determination of admission to a professional program. Applicants must satisfy all of the following requirements in order to be considered for admission:

1. A completed "Application for Admissiorto Graduate Studies." This should include a clearly written statement of purpose. (See "Professional Goals Statement" on application).
2. Completion of the following required prerequisite courses or their equivalents:

Courses:	Hours:
Biology 103 and 104, (General Biology) with Lab	8
Biology 202 and 204, (Human Anatomy & Physiology) with Lab	8
A 3 semester credit course in human systemic physiologywould satisfy this requirement, otherwise an 8 s.c. two course sequence in human anatomy and physiology, which provides sufficient background in human physiology, is needed	
Chemistry 105 and 106, (Inorganic Chemistry) with Lab	8
Physics 203 and 204, with Lab	
Mathematics 151 (College Algebra)	3
Psychology 213 (Statistics)	3
Psychology 105	3
Psychology (One course at or above 300 level)	3
The following are recommended but not required:	
Theology 401 (Bioethics)	3
Sociology 345 (Medical Sociology)	3
Chemistry 207 and 209 (Organic Chemistry)	8

3. An application with a cumulative undergraduate GPA of less than 2.8 (4 scale) will not be considered acceptable for admission. Official transcripts must be submitted directly from all colleges and universities attended.
4. The Graduate Record Examination (standard version) must be taken early enough to insure that scores can be reported to the PhysicalTherapy Department by the application deadline.
5. A total of at least 50 hours of clinical observation in various physical therapy practice settings must be documented on the form available through the Physical Therapy Department.
6. References from at least two persons familiar with the scope and quality of the applicant's past academic work, activities and qualities related to becoming a physical therapist must be provided on the form available through the Physical Therapy Department.
7. Based upon the undergraduate GPA and quality of other application materials, select students will be invited for a required on-site interview. The interview will be conducted by the Physical Therapy Admissions Committee during February and March. Responses to categories of questions posed during the interview will be rated, and an interview score will be determined.
8. A baccalaureate degree must be completed prior to enrollment , or a plan of study to complete the baccalaureate degree by the end of the first year in the professional curriculum must be filed with the department prior to enrollment.

A completed "Application for Admission to Graduate Studies" and information related to requirements #1-6 above, must be received by the Physical Therapy Department by the annual application deadline of January 1.

Admissions data will be processed by the Physical Therapy Admissions Committee, which will determine the students best qualified for careers in physical therapy. The admissions committee intends to make admission decisions by April 1. Up to thirty of the best qualified applicants will be invited to join the MPT degree program, and their responses will be required by a specified

deadline date. An alternate student waiting list will also be developed. Students electing not to join the program by the specified deadline date will be replaced by an applicant on the alternate list. Petitions for waivers of prerequisite courses and appeals regarding the admission process will be handled by the Physical Therapy Admissions Committee.

### **ADMISSIONS APPEAL PROCEDURE**

Applicants for admission to the Physical Therapy Program have a right to appeal decisions related to admission to the program at St. Ambrose University according to the following procedures:

1. Applicants must file a written appeal of any decision of the Admissions Committee within two weeks of having received written notification of an Admissions Committee decision. The applicant's appeal must include the reasons for challenging the Admissions Committee's decision.
2. The decision of the Appeals Committee will be made within two weeks after receipt of the appeal by a majority vote of those committee members present, using a secret ballot.
3. The applicant will be informed both verbally and in writing of the Appeals Committee's decision on the appeal within two weeks of that decision.
4. The student has a right to appeal the Appeals Committee's decision to the Dean of the College of Human Services.

### **STUDENT RETENTION POLICY**

The Physical Therapy Department requires students to maintain a cumulative GPA of 3.0 (on a 4.00 scale) in their professional curriculum. Students not maintaining this level will be placed on academic probation for the following semester. During the probationary semester the student will be advised weekly by their program advisor. Failure to maintain a cumulative GPA of 3.00 following a probationary semester will result in the student being denied permission to register for further professional course work. Re-admission to the program will be based upon re-application during the regular admissions cycle.

Retaking course work offered in the program is impractical and very difficult due to the sequential arrangement of the curriculum. However, if a student receives either a "D" or "F" grade in a program course, they will be required to either retake the class if scheduling allows (while continuing with the professional curriculum), or to complete an independent study assigned at the discretion of the course instructor (inclusive of an examination to demonstrate mastery of course content.) It will be necessary to complete this additional work in the semester following the grade in question. The student repeating a class or completing the required independent study and mastery exam will receive a letter grade which will be recorded on the official transcript according to the "Second Grade Option." Inability of the student to complete this work with a "C" grade or above will result in the student being ineligible to continue in the professional program, and eligible for re-admission to the program only through re-application during the regular admissions cycle.

In addition, the following requirements apply to Clinical Education Courses:

1. Students must pass all Clinical Education Courses in order to receive credits towards graduation.
2. A "Fail" grade in Clinical Education will require the student to repeat the course in a clinic setting other than one in which the student has already been affiliated, and within the subsequent academic session as is practical to schedule.
3. Two failed Clinical Education Courses will be considered a most serious situation and will be subject to faculty review with the possible outcome of dismissal from the program without the option to apply for re-admission to this program.

Students must complete their academic and clinical course work no later than the end of the fall semester following the scheduled graduation date of their class.

**PROGRAM FEES**

Application Fee	\$ 25.00
Student Admission Acceptance Fee	200.00
Alternate Admission Acceptance Fee	50.00
Professional Liability Insurance (est. per yr.)	15.00
Lab Fees	
Physical Therapy Labs/yr	150.00
Gross Anatomy	115.00
Neuroanatomy/Neurophysiology	25.00

Use of an automobile will be necessary for transportation to regional clinical education sites.

**MASTER OF PHYSICAL THERAPY DEGREE CURRICULUM****Year One - Fall Semester**

Course Code	Title	Credits
BIOL 500	Human Gross Anatomy	5
PT510	Introduction to Health Care Systems	3
PT520	Human Pathology	3
PT530	Kinesiology / Biomechanics	4

**Year One - Spring Semester**

PSYC540	Neuroanatomy and Neurophysiology	5
PT550	Introduction to Physical Therapy	3
PT560	Physical Therapy Procedures I	3
PT570	Physical Agents	4
PT580	Clinical Education I	1

**Year Two - Fall Semester**

PT610	Topics in Clinical Medicine	3
PT600	Issues in Patient Care	3
PT620	Musculoskeletal Therapeutics	4
PT630	Neuromuscular Therapeutics	4
PT680	Clinical Education II	1

**Year Two - Spring Semester**

PT 640	Cardiopulmonary Therapeutics	4
PT 650	Issues in Research I	3
PT 660	Professional Practice in PT	3
PT 670	Orthotics and Prosthetics	3
PT 682	Clinical Education III	1

**Summer**

PT 684	Clinical Education IV (1 month)	2
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**Year Three - Fall Semester**

PT 700	Issues in Research II	3
PT 710	Clinical Decision Making	5
PT 720	Physical Therapy Procedures II	4
PT 780	Clinical Education V	2

**Year Three - Spring Semester**

PT 782	Clinical Education VI	9
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**COURSE DESCRIPTIONS**

(First Year Only)

**BIOL 500. Human Gross Anatomy**

**5 Credits**

A regional based study of the human body. Students will apply knowledge of anatomy to clinical practice. Discussion of embryonic development and how it relates to adult anatomy will also be included. Prerequisites: Biology 202, 204

**PT 510. Introduction to Health Care Systems****3 Credits**

An overview of the major health care systems in the United States, focusing on components of policy, manpower, and economics. Ethical issues will be introduced. Interrelationships among health care professions will be established, with emphasis on the physical therapy profession.

**PT 520. Human Pathology****3 Credits**

The study of the nature and cause of human disease, involving changes in structure and function. Background information will be provided on specialized tests and procedures used to detect and monitor disease and the healing processes.

**PT 530. Kinesiology/Biomechanics****3 Credits**

An introduction to factors influencing normal and pathological human motion directed toward rehabilitation. Scientific and anatomical principles underlying human tissues and their influence on motion will be studied. Techniques and applicability of analysis to normal and pathological motion will be explored.

**PT 540. Neuroanatomy and Neurophysiology****3 Credits**

Comprehensive examination of neuroanatomy and neurophysiology, including, but not limited to: cell and molecular biology of the neuron, synaptic transmission, functional anatomy of the central and peripheral nervous systems, sensory and motor systems, homeostatic and arousal systems, localization of higher functions, and development of the nervous system. Laboratory sessions will emphasize traditional work on nervous system anatomy and physiology, as well as application of neuroanatomy and neurophysiology in an applied setting.

**PT 550. Introduction to Physical Therapy****3 Credits**

Detailed discussion of the history and evolution of the physical therapy profession, highlighting important professional issues, ethical behavior and professional conduct, and medical-legal aspects of practice.

**PT 560. Physical Therapy Procedures I****3 Credits**

An introduction to physical therapy evaluation, assessment, and treatment planning. Procedures for the assessment of joint range of motion, strength, posture, and gait will be highlighted.

**PT 570. Physical Agents****3 Credits**

Critical study of the physical and physiological basis, techniques and problems associated with clinical use of therapeutic physical agents (including massage, heat, cold, hydrotherapy, ultraviolet light, and electricity). Emphasis on development of clinical rationales and problem solving.

**PT 580. Clinical Education I****3 Credits**

Part-time experiences in various local physical therapy clinical settings under the supervision of clinical education faculty (licensed physical therapists under contract to St. Ambrose University).

**MASTER OF EDUCATION IN SPECIAL EDUCATION AND IN CRIMINAL JUSTICE****College of Human Services Program Description****Master of Education in Special Education**

The Master of Education in Special Education Program is designed to provide skills at a master's level to teach in the fields of learning disabilities, behavioral disorders, mental disabilities, or multi-categorical special education. Additional coursework leading towards licensure as Special Education Consultant can be obtained.

The Master in Education in Special Education is a 37 to 43 semester credits professional program integrating a 12 to 18 semester credit concentration area with 20 semester credits in the special education major. In addition, students will also complete course work in research and statistics as well as multi-cultural concepts for special education.

**Master of Education in Criminal Justice**

The Master of Education in Criminal Justice is an interdisciplinary 37 to 40 semester credit degree program designed for special needs teachers and criminal justice and correctional educators desiring knowledge and understanding of youthful offenders encapsulated in the justice system, and for its impact on the education environment and process.

This innovative training program is designed for Secondary Special Education teachers wishing to work with incarcerated youth in educational settings and criminal justice professionals interested in working with youth in human service community settings. The M.Ed. is also appropriate for teaching in the community college. While this is not a teaching certification program, teaching licensure can be obtained through additional coursework.

### **Degree Requirements**

Successful completion of the program will involve, along with a "B" grade point average in all course work (Only two grades of "C" are allowed in the student's program of study with each offset by a grade of "A".), successfully completing a comprehensive written examination covering the application of knowledge gained in the student's concentration area as well as the special education or criminal justice major and a successful oral defense presented to the student's graduate committee.

The degree candidate is expected to make steady progress towards the completion of the degree normally within 7 years of the date of the first graduate course registered on the student's degree plan, but not to exceed 12 years upon completion of the program.

### **Application Information**

Before commencing coursework, a student must seek admission to the Program as a degree candidate, license candidate or special student. Students seeking admission into the degree or licensing programs must complete a formal admissions process as stated in the admissions procedures. Students will be admitted into the program as either regular degree seeking or regular license seeking students or as probationary students. Students will be granted special student status if, (a) they do not wish to seek degree or license status but wish to take a course, (b) due to unreasonable circumstances their application procedures are held up, or (c) they hold senior status in an accredited bachelor's degree program. Refer to the section, Admission Procedures, for more complete information.

### **Admissions Procedures**

Persons possessing an undergraduate degree and licensure/certification to teach in preschool, kindergarten, elementary, secondary, or special education are eligible to apply for admission to the St. Ambrose University Master of Education in Special Education Program. Students possessing an undergraduate degree are eligible to apply for admission to the Master of Education in Criminal Justice/Special Education Program. Application procedures are:

1. Complete a Graduate application form and submit it with an application fee of \$25.00.
2. Have 2 letters of recommendation sent to the program Director.
3. Have official transcript from your degree-granting undergraduate institution and from all institutions where you have completed any graduate courses and send to: The Director of Master of Education Programs, St. Ambrose University, 518 West Locust, Davenport, Iowa 52803. (An official transcript is one that is sent directly from a former or current institution to St. Ambrose University.)
4. Provide a current teaching license by sending a copy to the Director.
5. Provide a copy of GRE scores or MAT scores to the Director of the Program. Regular student status requires a GRE score of 1000 or MAT score of 20.
6. Hold a 2.70 or higher grade point average (4.00 scale) for the last two years of undergraduate work.



**Transfer Credit**

Students may transfer up to 12 semester graduate credits from accredited institutions provided these credits have a grade of "B" or higher on a 4.00 scale, are not older than 7 years and will not exceed 12 years old upon program completion.

**Candidacy**

Candidacy for the Master in Education degree is dependent upon meeting the following criteria:

1. Successful completion of all coursework as set forth in the student's degree plan.
2. Maintain a "B" average in the degree plan.
3. Obtain no more than two "C 's" within the degree plan which are offset by
4. Successful completion of the Graduate Seminar or Special Education Thesis. (The Criminal Justice/Special Education major may fulfill this requirement with the Master of Criminal Justice research requirement.)

**A. Graduate Seminar:** A student choosing not to take thesis credit for the Masters Degree must complete the Graduate Seminar. This three semester credit course focuses on the development of research skills through the use of collaborative team effort. Completion of the Graduate Seminar requires the production of a research based project suitable for submission for publication or presentation.

**B. Special Education Thesis:** The Degree Committee for a thesis student must be selected before the student has completed 20 semester credits in a degree plan. Thesis procedures:

- i. A research area for the thesis topic should be chosen after consultation with the student's Thesis Advisor as early in the student's program as possible.
  - ii. A written research plan must be approved by the Degree Committee before completion of 20 semester credits of graduate work.
  - iii. Upon approval of the Degree Committee, the student may apply for thesis credit (Special Education 710. This is a Pass/Fail course.). Grades for the thesis credit will be given *as Progress* until successful completion of the thesis and the oral examination.
  - iv. One copy of the thesis must be distributed to each of the committee members by the student at least 10 days prior to the oral examination.
  - v. Two copies (on at least 50 percent rag content paper) corrected in accordance with the Degree Committee recommendations, must be submitted to the Graduate Special Education Program along with a copy for binding to the Library.
  - vi. Those interested completing the MCJ requirements are referred to descriptions in the Master of Criminal Justice section of this catalog.
5. Successful completion of an oral and comprehensive written examination.

**A. Written Examination :** The written examination covers the student's major area of study as well as the core requirements. It is made up of seven questions from which the student must choose five. Each question requires an open ended response focusing on the student's ability to integrate theory from a research base with practical aspects of teaching special needs students.

The written exams are evaluated by a committee of three faculty selected by the student, with advisor assistance, from the Graduate Special Education Program, the Department of Education or the Master of Criminal Justice Program, and the University at large. The writtens are evaluated on a three level system from pass to pass with consideration to fail. In case of failure, the student can

re-take the examination one time. Failure the second time will result in the student re-taking specified courses or being dropped from the program.

Written exams can only be taken when a student has completed at least 30 semester credits of work as specified in a Degree Plan. This examination is scheduled once in the spring and once in the summer.

**B. Oral Examinations:** The oral examination will be administered by the student's written committee with the addition of a faculty member from the University. This examination is a comprehensive examination testing the students ability to analyze, integrate and apply knowledge from special education. In the case of Thesis students, the Oral examination will focus on the thesis defense (see Thesis). Oral examinations will be scheduled to take place within two weeks of the student's written examination or not extending to 10 working days before graduation.

Oral examinations must be scheduled by the student and the advisor using specified forms obtained from the Office of Master of Education. This must be done 10 days prior to the Oral Examination. Decisions concerning the student's abilities during the oral examination can result in one of three options: Pass, Pass Conditionally or Fail. Conditional Pass involves the student either conducting further study in a specified area and re-taking the examination with two of the committee or retaking specific courses and retaking the examination with the entire committee. A student who fails the examination may re-take it after a period of at least one academic term or an agreed upon length as established by the committee.

### **Probationary Status**

Persons not meeting the admissions requirements for regular admission to the degree program may be recommended for probationary status by the Director of the program and / or the Master of Education Graduate Committee. Upon completion of at least six (6) semester credits of graduate level work with at least a "B" average, the student must petition the Director of the program for a change in status.

### **Appeal Process**

Students wishing to appeal status or grade can do so through the following process:

1. Submit an appeal, in writing, to either the Director of the Graduate Special Education Program or the Master in Criminal Justice Program.
2. Program Director forwards appeal to the Appeal Committee.
3. If student is not satisfied with the decision of the Appeals Committee, he/she can appeal to the Dean of the College of Human Services.
4. Final appeal can be made to the Provost of the University.

Program of Studies Special Education Requirements for M.Ed. in Special Education: 40-49 semester credits including: Education 710, 715; 21-38 semester credits from the following: Special Education 500 or Psychology 510, Special Education 510, 511, 512, 513, 514, 515, 660; Special Education 700 or 710; 12-18 semester credits in a license concentration area listed below:

1. Learning Disabilities: Special Education 520, 621 or 622, 623, 628 or 629, 631 or 632 or Education 552.
2. Behavioral Disorders: Special Education 530, 631 or 632, 633, 638 or 639.
3. Mental Disabilities (mild/moderate): Special Education 540, 641 or 642, 643, 644; 647 and, 648 or 649.
4. Multi-categorical (mild)\*: Special Education 550, 651 or 652, 658 or 659; Education 552 or 556; 3 semester credits from the following groups: Special Education 621 or 622; 631 or

632; 641 or 642. \* Students interested in this concentration must also hold license in either elementary or secondary education.

5. Special Education Consultant\*\*.Special Education 513, 750, 751. \*\*Students wishing to obtain this concentration must also possess a master's degree in special education or in another area (if in another area they must have 30 semester credits in special education at the graduate level), meet the requirements for license in the area seeking consultation concentration, and have four years of successful teaching experience, two of which must be in the license area.

### **CRIMINAL JUSTICE/SPECIAL EDUCATION**

Requirements for a degree in Master of Education in Criminal Justice/Special Education  
Foundation Courses:Education 710, 715; Special Education 514

Criminal Justice Courses:Master of Criminal Justice 610, 620, 630 (Course descriptions found in Master of Criminal Justice section, [pages 230-231])

Cognate Area Courses in Juvenile JusticeMaster of Criminal Justice 640 or 650 or 660; Special Education, 530, 632, 633, 639, 720

Research: Select one of the following options- [1] Special Education 710; [2] Master of Criminal Justice 701 and 702; or [3] Special Education 700.

### **SPECIAL EDUCATION COURSE DESCRIPTIONS**

#### **SPED 500. Introduction to the Education of Exceptional Learners 3 Credits**

This course focuses on the characteristics, needs, and talents of children and youth who are different in mental, physical, emotional, social, and/or sensory areas of development. It is designed to provide special education professionals with various education psychological, and sociological views of exceptionalities.

#### **SPED 510. Behavior Intervention Techniques**

**2 Credits**

This course is intended to provide teachers with strategies for intervening with behaviors in special and regular education settings. Behavior management techniques including reinforcement theory, scheduling models, observation techniques as well as precision teaching strategies will be explored.

#### **SPED 511. Assessment in Special Education**

**3 Credits**

This course focuses on the development of skills in formal and informal assessment techniques. Information will be presented in relation to standardized diagnostic procedures used in Special Education as well as curricular based measures. Prerequisite: Special Education 500 or equivalent.

#### **SED 512. Working with Parents of Special Needs Students**

**2 Credits**

This course focuses on the development of knowledge in the area of parenting children with special needs. Consideration will be given to developing an understanding of the needs of families raising children with disabilities and skills for working in partnership with these families. Prerequisite: Special Education 500 or equivalent.

#### **SPED 513. Consultation in Special Education**

**2 Credits**

Methods and strategies for working with regular classroom teachers, support service personnel, paraprofessional and other individuals involved in creative solutions for meeting the problems of children and youth with special needs. Prerequisite: Special Education 500 or equivalent.

#### **SPED 514. Curriculum for Special Education**

**2 Credits**

Students taking this course will develop skills in the design of special education curriculum for mild and moderate special needs children and youth. Exposure to IEP development as well as curriculum development and design based upon IEP's will encompass the major focus of this course. Prerequisite: Special Education 500 or equivalent.

#### **SPED 515. Contemporary Issues in Special Education**

**3 Credits**

This course focuses on current issues facing the field of Special Education. Topics that impact on today's special education teacher as well as future issues will be explored through a seminar format. Prerequisite: Special Education 500 or equivalent.

**SPED 520. Introduction to Learning Disabilities****3 Credits**

Geared towards teachers wishing to pursue a professional career in teaching learning disabled students, this course focuses on characteristics of students with learning disabilities. Exploration of causes, characteristics, historical aspects and current research in treatment is undertaken. Prerequisite: Special Education 500 or equivalent.

**SPED 530. Introduction to Behavioral Disorders****3 Credits**

Focuses on the causes, characteristics, diagnosis, and treatment of children with behavioral disorders. Emphasis is placed on the educational, social, and personal interactions of students with mild and moderate behavior disorders. Prerequisite: Special Education 500 or equivalent.

**SPED 540. Introduction to Mental Disabilities****3 Credits**

Etiology, characteristics, classification, diagnosis, and assessment of mental disabilities will be considered. Also, issues surrounding social contact, the role of the family, school, and community agencies in working with persons with mental disabilities. Prerequisite: Special Education 500 or equivalent.

**SPED 550. Introduction to Multi-categorical Special Education Programming****3 Credits**

Provides an introduction to children and youth with mild special needs and a framework for understanding special education needs from a multi-categorical perspective. Prerequisite: Special Education 500 or equivalent.

**SPED 593. Teaching Infants and Young Children with Severe/ Profound Disabilities****3 Credits**

This course addresses teaching methodology as it applies to infants and young children with serious disabilities. Various issues relating to working with youngsters with severe/profound and multiple disabilities are addressed through lecture discussion and practice of skills. Such issues as medical care, technology for dependent children, community, state, and regional resources, support groups, service delivery systems for early development as well as specific teaching methodology in the areas of motor, social, self-help, cognitive and behavior will be addressed.

**SPED 621. Teaching the Elementary Learning Disabled Child****3 Credits**

This course is designed to provide an in-depth exploration of specific strategies used with teaching elementary level learning disabled youngsters. Teachers will develop skills for working with the learning disabled child in areas of reading, mathematics, spelling, handwriting, social skills and thinking skills. Prerequisite: Special Education 500, 511,520 or permission of Instructor.

**SPED 622. Teaching Secondary Learning Disabled Students****3 Credits**

Designed to develop skills in teachers working with learning disabled adolescents, this course will focus on in-depth study in the areas specific to the needs of secondary level students. Prerequisites: Special Education 500, 511,520 or permission of Instructor.

**SPED 623. Neurological Aspects of Learning Disabilities****3 Credits**

Focus on the various neurological components involved in the learning process. Students will learn the operation of the brain and how it impacts on learning. Prerequisite: Special Education 520.

**SPED 628. Practicum in Learning Disabilities (Elementary)****3 Credits**

This course provides students with field experiences working in elementary programs for students with learning disabilities. Students will gain first hand, practical experience in working with curriculum and teaching strategies under the supervision and guidance of licensed teachers. Prerequisites: Special Education 500, 510, 511,514, 520, 621.

**SPED 629. Practicum in Learning Disabilities (Secondary)****3 Credits**

This course provides students with field experiences working in secondary programs for students with learning disabilities. Students will gain first hand, practical experience in working with curriculum and teaching strategies under the supervision and guidance of licensed teachers. Prerequisites: Special Education 500, 510, 511, 514, 520, 622.

**SPED 631. Teaching Elementary Children with Behavioral Disorders 3 Credits**

A study of specific teaching techniques and instructional materials for use with elementary-level behavior disordered children. Topics will include classroom organization and management and individualized behavior programming. Prerequisites: Special Education 500, 510, 511,530 or permission of Instructor.

**SPED 632. Teaching Secondary Children with Behavioral Disorders 3 Credits**

A study of specific teaching methods and instructional material for use with secondary-aged behavior disordered youth. Topics include classroom organization and management, behavior programming, and transitional models. Prerequisites: Special Education 500, 510, 511,530 or permission of Instructor.

**SPED 633. Theories of Emotional Disturbances 3 Credits**

Topics focus on aspects of serious emotional disorders. Etiology, characteristics, social and emotional factors are considered for children with various psychopathologies. Prerequisite: Special Education 530 or permission of Instructor.

**SPED 638. Practicum in Behavior Disorders (Elementary) 3 Credits**

This course provides students with field experience working in elementary programs for behavior disordered students. Students will obtain practical, first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511,514, 530, 631.

**SPED 639. Practicum in Behavior Disorders (Secondary) 3 Credits**

This course provides students with field experience working in secondary programs for behavior disordered students. Students will obtain practical, first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511,514, 530, 632.

**SPED 641. Teaching Elementary Children with Mild Mental Disabilities 3 Credits**

Provides teaching methodology specific to the teaching of children with mild mental disabilities at the elementary level. Prerequisites: Special Education 500, 510, 511,514, 540.

**SPED 642. Teaching Secondary Youth with Mild Mental Disabilities 3 Credits**

This course is intended to provide teaching methodology specific to teaching adolescents with mild mental disabilities. Prerequisites: Special Education 500, 510, 511,514, 540, or permission of Instructor.

**SPED 643. Teaching Students with Moderate Mental Disabilities 3 Credits**

This course is designed to provide curricular training to the teacher who plans to work with students with moderate mental disabilities. Information will be gained in academic, social, leisure, and vocational areas. Prerequisites: Special Education 500, 510, 511, 514, 540, or permission of Instructor.

**SPED 644. Medical Aspects of Mental Retardation 3 Credits**

This course focuses on in-depth exploration of various genetically, biophysically and environmentally-based causes of mental retardation. Also considered in this course are current issues surrounding medicine/genetics. Prerequisite: Special Education 540 or permission of Instructor.

**SPED 647. Practicum in Mental Disabilities-Moderate (K-12) 3 Credits**

This course provides students with field experience working in K-12 programs for moderate mentally disabled students. Students participate in pre-summer practicums established by the University. Students will obtain practical, firsthand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514,540, 643. "In Progress" Grade option available for this course.

**SPED 648. Practicum in Mental Disabilities-Mild (Elementary) 3 Credits**

This course provides students with field experience working in elementary programs for students with mild mental disabilities. Students will obtain practical, first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514, 540, 641. "In Progress" Grade option available for this course.

**SPED 649. Practicum in Mental Disabilities-Mild (Secondary) 3 Credits**

This course provides students with field experience working in secondary programs for students with mild mental disabilities. Students will obtain practical, first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 513, 540, 642. "In Progress" Grade option available for this course.

**SPED 651. Teaching Mildly Handicapped Elementary Students in Multicategorical Settings 3 Credits**

Teaching strategies, curriculum options, and delivery systems for mildly handicapped student in elementary multi-categorical resource settings. Prerequisites: Special Education 500, 510, 511, 514, 550, or permission of Instructor.

**SPED 652. Teaching Secondary Mildly Handicapped Students in Multicategorical Programs 3 Credits**

This course will explore teaching strategies, curricular options and delivery systems specifically designed for students enrolled in secondary-level multi-categorical resource programs. Prerequisites: Special Education 500, 510, 511, 514, 550, or permission of Instructor.

**SPED 658. Practicum in Multi-categorical Special Education (Elementary) 3 Credits**

This course provides students with field experience working in elementary programs for students in multi-categorical resource settings. Students will obtain first hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514, 550, 651. "in Progress" Grade option available for this course.

**SPED 659. Practicum in Multi-categorical Special Education (Secondary) 3 Credits**

This course provides students with field experience working in secondary programs for students in multi-categorical resource settings. Students will obtain first hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514, 550, 652. "In Progress" Grade option available for this course.

**SPED 660. Vocational Education for Handicapped 3 Credits**

Emphasis is placed on various models used for providing vocational/career education to special-needs adolescents. Students study vocational assessment, programming and school to business partnerships. Prerequisite: Special Education 500 or equivalent

**SPED 688. Practicum in Multi-categorical Special Class with Integration-Elementary (SCI) 3 Credits**

This course provides students with field experience working in elementary programs for students in multi-categorical SCI settings. Students will obtain practical first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514, 621, 631, 641, or permission of Instructor. "In Progress" Grade option available for this course.

**SPED 689. Practicum in Multi-categorical Special Class with Integration-Secondary (SCI) 3 Credits**

This course provides students with field experience working in secondary programs for students in multi-categorical SCI settings. Students will obtain practical first-hand experience of working with curriculum and teaching strategies. Prerequisites: Special Education 500, 510, 511, 514, 621, 631, 641, or permission of Instructor. "In Progress" Grade option available for this course.

**SPED 700. Graduate Seminar 3 Credits**

This course focuses on the collection and analysis of action research. Students will select a topic and conduct a research project. Completed research will be bound and stored in the Special Education Department. Prerequisite: Completion of 90% of the required course work for the Master's Degree. "In Progress" Grade option available for this course.

**SPED 710. Thesis in Special Education 5 Credits**

Focus is on conducting independent research. The student must, with the permission of their committee, select a topic, develop a problem statement, research and analyze the data relative to the problem statement. A written thesis will be presented to their departmental committee.

Prerequisite: Approval of Departmental Committee. "In Progress" Grade option available for this course.

**SPED 715. Individual Study in Special Education****1-3 Credits**

This course offers students the opportunity to conduct in-depth exploration into problems related to their major core of study not specifically covered in other courses. A substantial written report, as well as an informal oral report, will be required. Students will meet regularly with their instructor. No more than three (3) credits can count towards the master's degree. Prerequisite: Permission of Department. "In Progress" Grade option available for this course.

**SPED 720. Special Topics****1-3 Credits**

A study of current specialized topics in the field of special education. Prerequisite: Special Education 500 or equivalent.

**SPED 750. Curriculum Development and Design****3 Credits**

Course focuses on aspects of special education curriculum in the schools including historical foundation, curriculum planning, implementation and evaluation, principles of curriculum organization, outside forces impacting on the curriculum and future trends. Prerequisite: Currently held licensure in Special Education or permission of Instructor.

**SPED 751. Staff Development in the Schools****3 Credits**

Course will focus on skills in modes of intervention, diagnosing problems and identifying target groups as part of the staff development process designed to improve schools. Students will be concerned with planning, conducting, and evaluating staff development programs.

**EDUC 710. Educational Research and Statistics****3 Credits**

Provides students with basic skills in conducting educational research including methodology and statistical procedures. Prerequisite: Graduate status.

**EDUC 715. Teaching Culturally Diverse Children in Special Education Settings****2 Credits**

Designed to assist special education teachers in developing the understanding of issues surrounding cultural and gender diversity within special education settings. Prerequisites: Special Education 500, Graduate Status, or permission of Instructor.

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### Honorary Degree Recipients

**Isabel Bloom**, Artist

**John V. Bloom**, Artist

**Andrew Young**, Former United Nations Ambassador Commencement Speaker

**Andrew Young**, Former United Nations Ambassador

### BACHELOR OF ARTS DEGREES

Doris Vanessa Arce Abrego--Business Administration	Panama City, Panama
Lisa Marie Adams---cum laude--History and English	Taylor Ridge, Illinois
Michelle Marie Adams--Business Administration	Buffalo, Iowa
Scot Alan Aden--Physical Education	Lidderdale, Iowa
Mark William Allen--Political Science	Iowa City, Iowa
Amy Lynn Anderson--Mass Communications	Greenville, Michigan
Todd E. Ashpole--Business Administration	Prophetstown, Illinois
Katherine Elizabeth Bakeris--Business Administration	Bettendorf, Iowa
Holly Jeanette Barnes--Elementary Education	Moline, Illinois
Todd Lee Bartlett--Business Administration	Fort Madison, Iowa
Kristine Kay Bates---cum laude--Elementary Education	Davenport, Iowa
Mark Allen Becker--Accounting	Wilton, Iowa
Stacy Jeanne Becker--Business Administration	Chicago Heights, Illinois
Brenda Kay Bentley--cum laude Elementary Education	Camanche, Iowa
Michael Robert Bladel-Criminal Justice	Davenport, Iowa
Esther J. Blanchard---cum laude--Computer Information Systems	Eldridge, Iowa
Cynthia Ann Born--Mathematics Education	Skokie, Illinois
Mary Lynne Bowden--summa cum laude--English	Davenport, Iowa
Laura Jean Bragg--Criminal Justice	Davenport, Iowa
Thomas Joseph Brawley--History	Darien, Connecticut
Kathleen M. Brophy--Psychology	Chicago, Illinois
Wayne Royal Brouhard, Jr.-Criminal Justice	Davenport, Iowa
Angela Brown--Business Administration	Bloomington, Illinois
Eric Brandon Brown--Criminal Justice	Davenport, Iowa
Alan Gerard Budelier--magna cum laude--Mathematics	Wilton, Iowa
Ron Bullock--Mass Communications	East Peoria, Illinois
Lynn Marie Burbach--cum laude--Sociology and Psychology	Dickeyville, Wisconsin
Michael D. Burge Business Administration and Computer Information Systems	Homewood, Illinois
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Chris W. Burmeister--Business Administration	Lowden, Iowa
Trent R. Burns--Business Administration	Bettendorf, Iowa
David C. Butler--Business Administration	Grand Mound, Iowa
Patty Ann Campbell-Harper--Elementary Education	California
Christine Carol Calsyn--Art	Davenport, Iowa
Janet L. Carr---cum laude--Accounting	Silvis, Illinois
James F. Case---cum laude--Chemistry	Davenport, Iowa
Lisa J. Cavanaugh--Criminal Justice	Clinton, Iowa
Kim D. Cirlos--Criminal Justice	Davenport, Iowa
Jennifer Ann Colarusso--Business Administration	Davenport, Iowa
Christine Michelle Cook--Engineering Physics	Iowa City, Iowa
Robert B. Cooksey--Business Administration	Davenport, Iowa
Timothy Mark Cornish--Business Administration	Bettendorf, Iowa
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Mark Kenneth Crawford--Accounting	Davenport, Iowa
Theresa L. Crews--Accounting	Davenport, Iowa
John Eugene Croscheck--Mathematics Education	Solon, Iowa
Christine M. Crouch--Business Administration	Davenport, Iowa
Michael William Crowley--History	Whitefish Bay, Wisconsin
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Steven M. Dannenfeldt--Computer Information Systems	Moline, Illinois
Verle W. Dau--summa cum laude--Business Administration	Davenport, Iowa

Christopher James David--Theology	Clinton, Iowa
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Sharon Lynne Ennis---cum laude--Business Administration	Davenport, Iowa
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Shari Suzanne Ewing--Accounting	Oskaloosa, Iowa
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Jeffrey S. Fairweather--History	Bettendorf, Iowa
Cheryl Frances Fallon--Elementary Education	Barrington, Illinois
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Alice M. Fuller--Psychology	Milwaukee, Wisconsin
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Gina C. Geades--Psychology and Sociology	Davenport, Iowa
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Gina Marie Schmitz---cum laude--Elementary Education	Jesup, Iowa
Nancy Leigh Schneden--Sociology	Maquoketa, Iowa
Christine LeAnn Schrader--summa cum laude--Accounting	DeWitt, Iowa
Matthew Frederic Schroeder--Business Education	Muscatine, Iowa



Katherine Ann Scott--Mass Communications	Durant, Iowa
Gregg E. Seibert--Accounting	Moline, Illinois
Michael Joseph Seibert--magna cum laude--Mass Communications and English	Moline, Illinois
Molly Beth Seitz--Mass Communications	Bettendorf, Iowa
Shawna Jean Shepard--summa cum laude--Art	Fruitland, Iowa
Tracy D. Shepherd---cum laude--Political	Milan, Illinois
Lance C. Sherman--History	Bettendorf, Iowa
Bonieta Maria Sievers-German	Tipton, Iowa
Timothy Dale Sikkema--Psychology	Fulton, Illinois
Candace E. Sinkey--cum laude--Art	Camanche, Iowa
Kelly J. Skrivseth--Elementary Education	Maquoketa, Iowa
Michael J. Skulte--Business Administration	Davenport, Iowa
Carol L. Slattery--Business Administration	Davenport, Iowa
Thomas Louis Slininger--summa cum laude--Psychology	Moline, Illinois
Dorene M. Smith--summa cum laude-Criminal Justice	Mineral, Illinois
Randy Lavern Snook--summa cum laude--Accounting	Davenport, Iowa
Thomas Roy Snyder--Mass Communications	Fairfield, Iowa
Donna D. Solberg--summa cum laude--Business Administration	Davenport, Iowa
Ginger B. Stiles--Mass Communications	Muscatine, Iowa
Susan Ellen Stoltenberg--Art Education	Clinton, Iowa
Bradley Neal Strang--summa cum laude--Art	Davenport, Iowa
Dawn Valerie Strittmatter--Mass Communications	Naperville, Illinois
Paul J. Stubbs--Criminal Justice	Dubuque, Iowa
Robert L. Sturms--Physical Education	Bettendorf, Iowa
Eileen Renee Sullivan--Business Administration	Clinton, Iowa
Gerilyn Louise Sullivan--Elementary Education	Clinton, Iowa
Christopher Martin Swanson--Mass Communications	Coralville, Iowa
Marc A. Swingle--Criminal Justice	Davenport, Iowa
Steven Michael Tappa--Mass Communications	Bettendorf, Iowa
John Paul Tebockhorst--Mass Communications	Davenport, Iowa
Barbara Ann Tegeler--magna cum laude--English and Mathematics Education	Clinton, Iowa
James M. Temple III--Psychology	Chicago, Illinois
Maureen Reilly Thorpe--Psychology	Minneapolis, Minnesota
Tonya Leigh Tipton--Business Administration	Moline, Illinois
Natalie Lynn Todd--Business Administration	Naperville, Illinois
Michele Lee Tofanelli--magna cum laude--Accounting	Davenport, Iowa
Michael Anthony Tomsha--Business Administration	Davenport, Iowa
Joe L. Townsell, Jr.--Business Administration	Galesburg, Illinois
Amy Lynn True--Business Administration	East Dundee, Illinois
Lafayette James Twyner III--Psychology	Bettendorf, Iowa
Aimee Lynn Tyler--Accounting and Business Administration	Davenport, Iowa
Lori K. Ulloa--Accounting	Davenport, Iowa
Katherine Jean Van Blair--summa cum laude--Psychology and Sociology	Newton, Iowa
Bradley Scot Van Blaricom--Business Administration	Eldridge, Iowa
Scott J. Van Roekel--Business Administration	Oskaloosa, Iowa
Nancy Vargas--Accounting	Davenport, Iowa
Julie A. Veith--Business Administration	Keokuk, Iowa
Fred L. Venable III--Accounting	Davenport, Iowa
Bradley Vincent Verdon--magna cum laude--Business Administration	Davenport, Iowa
Maria Angelina Villarreal--Business Administration	Sherrard, Illinois
Stephen G. Vincent--Business Administration	Bettendorf, Iowa
Jane Elizabeth Vogel---cum laude--Computer Information Systems	Rock Island, Illinois
Julie A. Wadsworth--Business Administration	Davenport, Iowa
Mark Alan Wakeland--Accounting	Bettendorf, Iowa
James Arthur Walker--Accounting	Davenport, Iowa
Lynn Marie Wandrey--Biology	Earlville, Iowa
Amy Kathleen Watters---cum laude--Accounting and Business Administration	Petersville, Iowa

Julie Michelle Wayland--History	La Salle, Illinois
John J. Wayne--Business Administration	East Moline, Illinois
Jane A. Weber--magna cum laude--Psychology and Sociology	Bettendorf, Iowa
Susan Marie Weber--Business Administration	Richland, Iowa
Patricia Wendel--Business Administration	DeWitt, Iowa
Patricia Mary West--Mass Communications	Clinton, Iowa
Sarah Margaret Wetzels--Business Administration	Muscatine, Iowa
Heidi S. Whitlock--Accounting	Muscatine, Iowa
John Alexander Wick--Business Administration	Des Moines, Iowa
Lisa Marie Wiedmeyer--Computer Information Systems	Westminster, Colorado
Diane M. Wildermuth---cum laude--Accounting	Davenport, Iowa
Kelli Jannine Wildermuth--Business Administration	Geneseo, Illinois
Gregory Wayne Williams--Sociology and Psychology	Rock Island, Illinois
Cindy Sue Wilson--Accounting	Davenport, Iowa
Julie A. Winkelbauer--Business Administration	Coal Valley, Illinois
Linda May Wristen---cum laude--Psychology and Sociology	Davenport, Iowa
Bart Michael Wyss--Physical Education	Peoria, Illinois
Donald Ray Young--Elementary, Education	Chicago, Illinois
Evan Thomas Young--Psychology	Rock Island, Illinois

**BACHELOR OF APPLIED MANAGEMENT TECHNOLOGY DEGREE**

William F. Hauptert	Bettendorf, Iowa
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**BACHELOR OF ARTS IN SPECIAL STUDIES DEGREES**

Loralyn K. Anderson	Moline, Illinois
Joan Victoria Gilson	Bettendorf, Iowa
Marthanna M. Laughlin	Davenport, Iowa

**BACHELOR OF EDUCATION DEGREES**

Robert Davis Deines	Clinton, Iowa
Susan Marie Parks---cum laude	Davenport, Iowa
Judith H. Rybka--cum laude	Davenport, Iowa

**BACHELOR OF ELECTED STUDIES DEGREES**

Neal A. Blanche	Davenport, Iowa
Lori Ann Corral--cum laude	Davenport, Iowa
Terry M. Crane	East Moline, Illinois
Kent R. Hawk	Erie, Illinois
Joseph M. Saunders	Bettendorf, Iowa

**BACHELOR OF SCIENCE DEGREES**

Mark David Barker--Engineering Physics	Davenport, Iowa
Beth Ann Beaudry--Computer Science	Davenport, Iowa
Michael Anthony Bergthold--cum laude Computer Science and Mathematics	Davenport, Iowa
Bradley A. Boeckner--Management Science	Blue Grass, Iowa
Christine C. Buckley--cum laude-Computer Science	Dayton, Iowa
Alan Gerard Budelier--magna cum laude Computer Science	Wilton, Iowa
Paul M. Campbell--computer Science and Mathematics	Davenport, Iowa
James F. Case--cum laude-Biology	Davenport, Iowa
Steven Bruce Conklin---Computer Science	Davenport, Iowa
Verle W. Dau--summa cum laude--Computer Science	Davenport, Iowa
David P. Dean---Chemistry	Davenport, Iowa
Michael James Donahue--Physics	Davenport, Iowa
Malea P. Drew--Biology	Davenport, Iowa
Judith S. Furlong--magna cum laude-Management Science and Statistics	Clinton, Iowa
Michael William Halse Computer Science	Silvis, Illinois
Matthew A. Hirst--cum laude--Computer Science	Davenport, Iowa
Marion C. Jeongco--Computer Science	Moline, Illinois
Claire H. McCoy---cum laude Chemistry	Rock Island, Illinois

Kevin G. McCulloh--Physics	Davenport, Iowa
Scott Lucas Nyenhuis--computer Science	Davenport, Iowa
Stanley Papendorf--magna cum laude Computer Science	Davenport, Iowa
Lori R. Splichal--Biology	Munden, Kansas
Kenneth R. Tisinger---cum laude Computer Science	Bettendorf, Iowa

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING DEGREES**

Jerry James Golden	Davenport, Iowa
Michael Leigh Marshall	Long Grove, Iowa
Dennis Victor Pikuza	Coal Valley, Illinois
Joseph Edward Shadle	LeClaire, Iowa
Ronald E. Skow	Bettendorf, Iowa
Randy K. Templeton	Davenport, Iowa
Thomas G. Voss	Peoria, Illinois

**BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY DEGREES**

Trent Dean Allison--and Psychology	Milan, Illinois
Kathleen Suzanne Murphy Conrad--and Psychology	Moline, Illinois
Kimberly S. Cooper	Wilton, Iowa
Debora J. Dassie--magna cure laude--and Psychology	Pleasant Valley, Iowa
Michelle D. Eldredge	Davenport, Iowa
Linda Ann Hicks--and Psychology	Waterloo, Iowa
Julie Ann Jeffries--cum laude and Psychology	Clinton, Iowa
Lynn Jacoby Keeven--and Psychology	Moline, Illinois
Karen Ann Krempa	Davenport, Iowa
Kathleen A. Meade--cum laude	Geneseo, Illinois
Colleen Lea Mitchell--magna cum laude--and Psychology	Walcott, Iowa
Janan Marie Peterson--and Psychology	Davenport, Iowa
Audra Lee Powell--and Psychology	Taylor Ridge, Illinois
Rebecca Ann Reiff---cum laude	West Des Moines, Iowa
Diann Louise Snyder	Waterloo, Iowa
April Dawn Stevenson--and Psychology	Olathe, Colorado
Tim N. Trevor---cum laude--and Psychology	Moline, Illinois
Michelle A. Wadle-Quinn	Davenport, Iowa
Anne Marie Wehner-Clough	Davenport, Iowa

**MEMBERS IN XI CHAPTER OF DELTA EPSILON SIGMA**

Lisa Marie Adams  
 Kristine Kay Bates  
 Michael Anthony Bergthold  
 Mary Lynne Bowden  
 Alan Gerard Budelier  
 Debora J. Dassie  
 Verle W. Dau  
 Wendy Sue DePover  
 Matthew A. Hirst  
 Debra Suzanne E. Johnston  
 Julie Ann Kaesbauer  
 Brent John Kilburg  
 John Kie Larson  
 Miriam Dawn LeMaitre  
 Mary Patricia Lord Kathleen A. Meade  
 Colleen Lea Mitchell  
 Kathleen M. Mummert  
 Stanley Papendorf  
 Robert Jay Pauer  
 Douglas S. Pittman  
 Robert S. Quast  
 Rebecca Ann Reiff

Nicole Trese Robertson  
 Gina Marie Schmitz  
 Christine LeAnn Schrader  
 Michael Joseph Seibert  
 Shawna Jean Shepard  
 Tracy D. Shepherd  
 Candace E. Sinkey  
 Thomas Louis Slininger  
 Dorene M. Smith  
 Randy Lavern Snook  
 Donna D. Solberg  
 Bradley Neal Strang  
 Barbara Ann Tegeler  
 Michele Lee Tofanelli  
 Katherine Jean Van Blair  
 Bradley Vincent Verdon

**MASTER OF ACCOUNTING DEGREES**

Beverly J. Bentley  
 Patricia Ann Cahill  
 Carolyn Frye  
 Carmen Angelique Hunt  
 Michael David Jansen  
 Kurt Alan Streicher  
 David Lawrence Tallman

Wilton, Iowa  
 Davenport, Iowa  
 Silver Spring, Maryland  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Davenport, Iowa  
 Davenport, Iowa

**MASTER OF BUSINESS ADMINISTRATION DEGREES**

Laurie Ann Adams  
 Ernest Henry Arku  
 Henry L. Behrens  
 Kathi Jo Bell  
 Joseph G. Blaesing  
 Marsha D. Boldt  
 James Karl Bowman  
 Leonard J. Bowman  
 David A. Brown  
 Gary S. Bryant  
 Daniel G. Burke  
 Billy R. Burton  
 Thomas E. Cady  
 David H. Campagna  
 Duncan McEvoy Campbell  
 David Crane Caris  
 Kenneth S. Carlson  
 Martin J. Coe  
 Teresa L. Coe  
 John Joseph Connole  
 Robin Hatfield Culp  
 Bradley John Cunningham  
 Lisa Marie Danielson  
 Don Davis  
 Norman Omer Lyle Deets  
 David A. DeJaegher  
 Wayne G. Droessler  
 John Andrew EbertSt  
 Laurie D. Engleking  
 Leslie Ann Engstrom  
 Larry D. Fjelstul  
 Carolyn Frye

Mt. Union, Iowa  
 Davenport, Iowa  
 Clinton, Iowa  
 Muscatine, Iowa  
 Cedar Falls, Iowa  
 Moline, Illinois  
 Moline, Illinois  
 Wever, Iowa  
 Burlington, Iowa  
 Bettendorf, Iowa  
 DeWitt, Iowa  
 Eldridge, Iowa  
 Rock Island, Illinois  
 Davenport, Iowa  
 Clinton, Iowa  
 Davenport, Iowa  
 Ottumwa, Iowa  
 East Moline, Illinois  
 East Moline, Illinois  
 Charlotte, Iowa  
 Omaha, Nebraska  
 Cedar Rapids, Iowa  
 Oshkosh, Wisconsin  
 Hamilton, Iowa  
 Milledgeville, Illinois  
 Moline, Illinois  
 Bettendorf, Iowa  
 Louis, Missouri  
 Clinton, Iowa  
 Coal Valley, Illinois  
 Ottumwa, Iowa  
 Silver Spring, Maryland

Lori A. Galle  
 Sharen K. Gamble  
 Shirley Gochee  
 James Guest  
 Joseph Michael Guise  
 Denise Lynn Hammer  
 Judy Kay Hankemeier

Montrose, Iowa  
 Moline, Illinois  
 Illinois City, Illinois  
 Davenport, Iowa  
 Davenport, Iowa  
 Muscatine, Iowa  
 Davenport, Iowa

Barbara J. Hansen  
 Bryan C. Hanson  
 Allen Ross Harvey  
 Randall Dean Harvey  
 Phoa Bing Hauw  
 Douglas Robert Hill  
 Janine Anne Hollembaek  
 Kerry Alan Holmes  
 Larry Joseph Holmes  
 David Garner Hope  
 Scot L. Hoscheid  
 Kurt A. Hubbart  
 Suzanne Humphrey  
 Timothy A. Iannone  
 Dennis P. Janssen  
 Richard Kevin Jones  
 Rhonda Jean Kennedy  
 John M. Killion  
 Theodore L. King  
 Kenneth M. Kintzle  
 Ray C. Lehn  
 David W. Ling  
 Doral E. Longley  
 Dana Leann Lynch  
 Mary Ellen Lyons  
 Robert William Marriott  
 Lynette Kay Carrer Maxwell  
 Sean Patrick Meister  
 Courtney A. Messingham  
 Brian D. Meyer  
 Patricia Lorelei Miller  
 Teresa L. Morgan  
 Michael D. Morrell  
 Suzanne Elizabeth Nantais  
 Mary Rita Nelson  
 Dan Charles Newton  
 Janet Kay Parks  
 Wayne H. Patchin  
 Linda J. Pedersen  
 Daniel William Peeters  
 Steven Lee Petersen  
 Carolyn Marie Peterson  
 Theresa L. Powers  
 Linda Sue Rasmussen  
 Ronald J. Reiser  
 Dennis R. Riedel  
 John J. Rousauer Jr  
 Jerri Stokes Scheib  
 Susan Jane Schlegel  
 Peggy A. Schnenden  
 Larry Schutman

DeWitt, Iowa  
 Davenport, Iowa  
 Muscatine, Iowa  
 Muscatine, Iowa  
 Jakarta, Indonesia  
 Fort Madison, Iowa  
 Moline, Illinois  
 Davenport, Iowa  
 Clinton, Iowa  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Savanna, Illinois  
 Bettendorf, Iowa  
 Clinton, Iowa  
 Donnellson, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Cedar Rapids, Iowa  
 Keosauqua, Iowa  
 Middletown, Iowa  
 Orion, Illinois  
 Coralville, Iowa  
 Albany, Illinois  
 Moline, Illinois  
 Moscow, Iowa  
 Davenport, Iowa  
 Waterloo, Iowa  
 Wilton, Iowa  
 Davenport, Iowa  
 Moline, Illinois  
 Coal Vailely, Illinois  
 Windsor, Iowa  
 Davenport, Iowa  
 Newton, Iowa  
 Moline, Illinois  
 Geneseo, Illinois  
 Davenport, Iowa  
 Eldridge, Iowa  
 Muscatine, Iowa  
 Bettendorf, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Clinton, Iowa  
 Muscatine, Iowa  
 Davenport, Iowa  
 Muscatine, Iowa  
 Blue Grass, Iowa  
 Davenport, Iowa  
 Bettendorf, Iowa

John William Selby	Bettendorf, Iowa
Terry L. Seligman	Davenport, Iowa
William H. Sitz	Bettendorf, Iowa
Gerald D. Skarr	River Forest, Illinois
Ronald L. Soenksen	Muscatine, Iowa
Jeffrey W. Sorensen	Muscatine, Iowa
Allan A. Stencil	Grand Haven, Michigan
Chrei L. Treiber	Davenport, Iowa
Jay A. Verhorevoort	Davenport, Iowa
Mary Ann Vogel	Davenport, Iowa
Terry W. Westbrook	Moline, Illinois
Nancy H. Willis	Thomson, Illinois
Jean Colleen Wills	Davenport, Iowa
Robert Scott Wisecarver	Muscatine, Iowa
Jeffery Carl Zelnio	Davenport, Iowa

**MASTER OF EDUCATION IN SPECIAL EDUCATION DEGREES**

Robert S. Bosco	Davenport, Iowa
Nardica Yvonne Buckner	Sedalia, Missouri
Yvonne R. Deer	Davenport, Iowa
Michael P. Fitzpatrick	Davenport, Iowa
Jane Ann Flesher	Bettendorf, Iowa
Barbara Ann Goreicki-Orfitelli	Davenport, Iowa
Gloriann Cullen Hart	Muscatine, Iowa
Jay R. Hefel	Bettendorf, Iowa
Sue Ellen Heidemann	Davenport, Iowa
John Joseph Huffman	Bettendorf, Iowa
Rosalie Ann Huscko	Moscow, Iowa
Marcia Lee Less	Davenport, Iowa
Howard E. Litke	Wilton, Iowa
Joanne Marie McAleer	Davenport, Iowa
Karin A. Mullen	Davenport, Iowa
Ricy Dean Sharp	Eldridge, Iowa
William Dyson Thompson	Davenport, Iowa
Ellen M. Tucker	Davenport, Iowa
Julia Tollenaer VandeWiele	East Moline, Illinois
Regina Gale Williams	Connie Jean Whitlock Cedar, Iowa
Jodi Lee Woodrich	Barstow, Illinois
	Muscatine, Iowa

**MASTER OF PASTORAL STUDIES DEGREE**

Helen L. Keefe Mt. Pleasant, Iowa

**COMMENCEMENT May 9, 1993****Honorary Degree Recipients**

John V. Hartung ,President of the Iowa Association of Independent Colleges and Universities  
Virginia E. Lohmiller,Coordinator of Secondary Physical Education for the Davenport Community  
Schools and Commissioner of the Mississippi Athletic Conference  
James A. Hagen, Chairman, President and CEO, Conrail

**Commencement Speaker**

James A. Hagen, Chairman, President and CEO, Conrail

**BACHELOR OF ARTS DEGREES**

Kylene Suzanne Aarhus---Criminal Justice	Cedar Rapids, Iowa
Doreen Mary Abens---summa cum laude--Psychology	Knoxville, Iowa
Norma Jean Adams--Accounting	Davenport, Iowa
Pamel K. Adams--Accounting	Davenport, Iowa
Lisa A. Addis--Business Administration	Galesburg, Illinois

Jess Aesoph--Criminal Justice	Sioux City, Iowa
Bryan Anthony Angone--Business Administration	Sterling, Illinois
Ellen Elizabeth Ant--magna cum laude--Mass Communications	Dubuque, Iowa
Susan Cheree Anthony--magna cum laude Psychology	Milan, Illinois
Christina Marie Arnold--magna cum laude--Psychology	Cedar Rapids, Iowa
Ryan V. Baetke--Computer Information Systems	Bettendorf, Iowa
Lisa Baker---cum laude--Accounting	Schaumburg, Illinois
Mark Allen Bakeris--Business Administration	Bettendorf, Iowa
Dawn Renee Beaird--English	Rock Island, Illinois
Michelle M. Bechtold--Mass Communications	Chicago, Illinois
Michael Allen Beebe Business Administration	Wilton, Iowa
Bret DeWayne Beer--Business Administration	Fort Dodge, Iowa
Brian Bennett Beert--Theology	Moline, Illinois
Elizabeth Ann Behal---cum laude--Music Education	Durant, Iowa
Angela Kay Beitz---cum laude--Elementary Education	Bettendorf, Iowa
Michael A. Benson--Business Administration	Davenport, Iowa
Michael William Berglund--History	Kewanee, Illinois
John Robert Bernard--Psychology	Moline, Illinois
Kelli Dalene Besst-Criminal Justi.ce	DeWitt, Iowa
Kenneth A. Betz---cum laude--Psychology and Sociology	Rock Island, Illinois
Paul T. Bloom--Business Administration	DeWitt, Iowa
Cindy L. Bloomer---cum laude--Business Administration and Mathematics	Davenport, Iowa
Catherine A. Bohan--Elementary Education	Burr Ridge, Illinois
Kathryn M. Bohn--Mass Communications	Davenport, Iowa
David Lee Bonde--Mass Communications	Camanche, Iowa
Tamara Lynn Bovee--Accounting	Blue Grass, Iowa
Sherry Lynn Bowe--magna cum laude-Accounting	Bettendorf, Iowa
Michelle Breneman--magna cum laude--Accounting	Walcott, Iowa
Kaye Marie Brethauer--cum laude-Mass Communications	Bettendorf, Iowa
Kristine Marie Bribriesco--Accounting	Bettendorf, Iowa
Robert A. Brown--Business Administration	Davenport, Iowa
Rory James Bruckman--Business Administration	Eldridge, Iowa
Kristina Marie Budde--Mass Communications	Davenport, Iowa
Gail Susan Burke--Business Administration	Charlotte, Iowa
Cindy K. Burns--Mass Communications	Manchester, Iowa
Janet L. Burroughs--Theology	Princeton, Iowa
Julie Anne Buzzell--magna cum laude--Business Administration	Eldridge, Iowa
James Robert Callahan--Physical Education	Sherrill, Iowa
Rebecca Diane Cardell--cum laude-Psychology	Davenport, Iowa
Alice Michelle Carroll---cure laude-Mass Communication	Des Moines, Iowa
Anthony Alan Castro--Computer Information Systems	Rock Island, Illinois
Lavanh Cavan--Business Administration	Oskaloosa, Iowa
Robert Frank Chavez--Business Administration	Moline, Illinois
Cynthia Louise Christensen--magna cum laude-Accounting	Bettendorf, Iowa
Christopher Marvin Cihacek--Criminal Justice	Council Bluffs, Iowa
Kelly Elizabeth Clancy--Criminal Justice	Hampton, Illinois
Jeffrey Wayne Claus--Criminal Justice	Cordova, Illinois
Kevin Thomas Cloherty--Mass Communications	Forest Park, Illinois
Michael Thomas Conard--Psychology	Davenport, Iowa
Sheila Marie Connelly--magna cum laude-English and History	Davenport, Iowa
Mary Kay Cousins--magna cum laude-English	Clinton, Iowa
David Alan Crook--Political Science	Bettendorf, Iowa
Matthew M. Curran--cum laude--Business Administration and Economics	Eldridge, Iowa
Michelle Danno--Elementary Education	Naperville, Illinois
Katherine Mary Day--cum laude--Psychology	Davenport, Iowa
Karla Ann de la Torre---summa cum laude-Art	Prophetstown, Illinois
Michael W. Deaton--Business Administration	Jacksonville, Illinois
Jason Barton Decker--Business Administration	Bettendorf, Iowa
Tracy L. DeClerck--magna cum laude-Accounting	Taylor Ridge, Illinois

Lori A. DeSimone--Physical Education	Camanche, Iowa
Kye Allen Dexter--Business Administration	Davenport, Iowa
DeAnna Dickerson--Psychology	Davenport, Iowa
Kristin Lynn Doerscher--Business Administration	Davenport, Iowa
Amy Jo Dolan---cum laude--Political Science and English	Peoria, Illinois
Julie Ann Dolan--Mass Communications	Dubuque, Iowa
Wesley J. Dolphin--History	Cascade, Iowa
Michael Donatsch--Business Administration	Davenport, Iowa
Ryan E. Driessens--Psychology	Annawan, Illinois
Karen Jean Dumar--Business Administration	McCausland, Iowa
Cathleen Rae Duncan--Physical Education	East Moline, Illinois
Jeanne Elizabeth Dunn--Mass Communications	Winnetka, Illinois
Jeanne Marie Duyck--cum laude--English	Silvis, Illinois
Charles E. Earp--Biology	Bettendorf, Iowa
Christine Michelle Edson--English	Davenport, Iowa
Brenda Sue Eisentrager--summa cum laude--Accounting	Davenport, Iowa
Sheryl L. Fahrenkrog--magna cum laude--Mass Communications	Eldridge, Iowa
Teri Lynn Felix--Elementary Education	Davenport, Iowa
Kevin J. Felton--Sports Management	Cascade, Iowa
James Thomas Ferrell--Psychology	Tullahoma, Tennessee
Thomas W. Flaherty--Political Science	Davenport, Iowa
Stacey Lynn Floberg--Mass Communications	Green Bay, Wisconsin
Michael Philip Flynn--Accounting	Davenport, Iowa
Ricky L. Fountain--Psychology	West Branch, Iowa
Sarah L. Frahm--Business Administration	Blue Grass, Iowa
David Keith Freers--Art	Muscatine, Iowa
Kenneth A. Frennd--Accounting	Davenport, Iowa
Ryan Strong Fritz--Business Administration	Moline, Illinois
Mark A. Froeschle--Business Administration	Davenport, Iowa
Gregory Robert Frommelt--Biology	Dubuque, Iowa
Christina Ann Fryxell--magna cum laude--Criminal Justice	Davenport, Iowa
Kelly Lynn Gantt--Business Administration	Davenport, Iowa
Beverly J. Geary---cum laude--Mass Communications	Davenport, Iowa
Thomas Jeremiah Geis---Criminal Justice	Monticello, Illinois
James A. Gerdes--Psychology	Davenport, Iowa
Ann M. Gerety--Business Administration	Davenport, Iowa
Jeffrey A. Gillaspie--History	Fairfield, Iowa
Rudolpho Gomez--Psychology	Davenport, Iowa
David M. Gonnella--Business Administration	Oak Brook, Illinois
Kathleen M. Goode--cum laude--Accounting	Davenport, Iowa
Penny Marie Greer---cum laude--Elementary Education	DeWitt, Iowa
Nancy A. Gregerson--Mass Communications	New Vienna, Iowa
Annette Elizabeth Greiner--Mass Communications	Keota, Iowa
Mitchell D. Gronewold--Physical Education	Blue Grass, Iowa
Matthew C. Grothus-vBusiness Administration	Bettendorf, Iowa
Ann Marie Grove--Accounting	LeClaire, Iowa
Eric A. Gruber--Mass Communications	Chicago, Illinois
Jayne L. Harrarnan--History	Davenport, Iowa
Deborah Kay Hamilton--Mass Communications	Moline, Illinois
Richard L. Hammond--Business Administration	Canton, Illinois
Katherine Kerrie Hancock--summa cum laude--Psychology	Davenport, Iowa
Kimberly Elizabeth Hancock---cum laude--Political Science	Kalona, Iowa
Kathleen Mae Hansen--Business Administration	Davenport, Iowa
Anne Marie Haring--Psychology	DeWitt, Iowa
Lynn Marie Havelaar--Accounting	Sturgis, South Dakota
Shawn A. Havener--Art Education	DeWitt, Iowa
Randy Herman--Business Administration	Muscatine, Iowa
Talbot Anne Hicks--Business Administration	Lena, Illinois



Dustin David Hoffman--Business Administration	Springville, Iowa
Kris Patrick Hollarbush--Psychology and Sociology	Aurora, Illinois
Julia Ann Hopson--summa cum laude--Physical Education	Roseville, Illinois
Shannon G. Hoyt---cum laude--Sports Management	Davenport, Iowa
Edwin L. Hubbard--Criminal Justice	Lake Forest, Illinois
Lynette Jean Hubbard---cum laude--Psychology	Bettendorf, Iowa
Kristin M. Huff--Mass Communications	Davenport, Iowa
Tim Hull--criminal Justice	Moscow, Iowa
Tina Sue Hulsebusch---cum laude--Accounting	DeWitt, Iowa
Susan B. Iverson--cum laude-Elementary Education	Davenport, Iowa
Rachel Elizabeth Ivory--cum laude-Elementary Education	Davenport, Iowa
Anthony Scott Jackson--Business Administration	Fairfield, Iowa
Amanda Marie Johnson--Psychology	Richmond, Indiana
Michelle Jeanene Johnson--Business Administration	Bettendorf, Iowa
Jeffery Edward Joseph--Sociology	Rock Island, Illinois
Amy R. Kanakares--Elementary Education	Davenport, Iowa
Lori Sue Kappeler--Business Administration	Durant, Iowa
Amy Joy Kargl--Psychology	Rock Island, Illinois
Stacey M. Karom--Business Administration	Elgin, Illinois
Sara Christine Karpan--cum laude-Mass Communications	Omaha, Nebraska
Dawn Michelle Keane-Business Administration	Sioux City, Iowa
Patricia Ann Keppy--Accounting	Eldridge, Iowa
David J. Kessler--summa cum laude--Mass Communications	Moline, Illinois
Elizabeth A. Kessler--magna cum laude--Accounting	Moline, Illinois
Rick E. Kislia--Business Administration	Bettendorf, Iowa
Katherine Anne Klein--Mass Communications	Davenport, Iowa
Jody Ann Klemm--Business Administration	Des Moines, Iowa
Brigid M. Knott--Mass Communications	Elgin, Illinois
<b>D.A.</b> Kozich--Business Administration	Davenport, Iowa
Malissa Sue Kraus---cum laude--Psychology	Dubuque, Iowa
Heidi Lynn Kuehnhackl--Business Administration	Davenport, Iowa
Jeff Michael Lambert--computer Information Systems	Davenport, Iowa
Kristie Langbehn--magna cum laude--Business	Durant, Iowa
Beth Marie Lange-Business Administration	Davenport, Iowa
Susan Lynne Lantau---Criminal Justice	Davenport, Iowa
Linda LaRue--Psychology	Davenport, Iowa
Patricia Marie LaScala--Psychology	Davenport, Iowa
Robbyn M. Lee--summa cure laude--Accounting	Davenport, Iowa
Lee Robert LeGrand--Business Administration	Bettendorf, Iowa
Marcella M. Leydens---cum laude--Criminal Justice	East Moline, Illinois
Jodie Linn Lightner--Business Administration	Davenport, Iowa
LeRoy O. Lindquist--magna cum laude-Psychology	Davenport, Iowa
Shannon Marie Long-Criminal Justice	Clinton, Iowa
Eric F. Lorscheider--Speech and Theatre	Davenport, Iowa
Joy Lynne Lucas--Speech and Theatre	Davenport, Iowa
Karen Marie Lucas--Psychology	Davenport, Iowa
LaMar E. Lucas--Criminal Justice	Davenport, Iowa
Sean Patrick Lyons--Psychology	Clinton, Iowa
Annette Marie Maciolek--magna cum laude-Mass Communications	Milan, Illinois
Lawrence M. Madrigal--Business Administration	Joliet, Illinois
Melinda S. Mahalla--magna cum laude--Psychology	Coal Valley, Illinois
Colleen Marie Maher--Elementary Education	Davenport, Iowa
James Ian Manata---cum laude--History	Bettendorf, Iowa
Tricia Lynn Mann--Psychology	Galva, Illinois
Karen Elizabeth Manning--cum laude--Business Administration	Dubuque, Iowa
Pamela Ann Martz--Mass Communications	Davenport, Iowa
Todd C. Mayberry--Criminal Justice	St. Louis, Missouri
Karen E. McAllister--cum laude--Computer Information Systems	Davenport, Iowa
Paula Frances McAuliffe--Elementary Education	Evergreen Park, Illinois

Kelly Maureen McCoy--Elementary Education	Wheeling, Illinois
Steven L. McElmeel---Criminal Justice	Cascade, Iowa
Sean Michael McGinty--Psychology	Coal Valley, Illinois
Michael G. McGreal--Mass Communications	Strawberry Point, Iowa
Daniel Joseph McKeon--Mathematics	Cape Girardeau, Missouri
Michelle Marguerite McMain-Maher--cum laude-- Elementary Education	Grand Mound, Iowa
Deborah Graves-McNeal--Business Administration	Davenport, Iowa
Donald James McPherson--Accounting	Bettendorf, Iowa
Jennifer L. McReynolds--Business Administration	Eldridge, Iowa
Sheila Anne Meenan--Sociology	Rock Island, Illinois
Dusten Eugene Meier--Psychology	Davenport, Iowa
Melissa S. Mellinger--Computer Information Systems	Washington, Iowa
Daniel Joseph Menke--Business Administration	Fort Madison, Iowa
Danielle Michaud--Business Administration	Jackson, Michigan
Beverly A. Miller---cum laude--Elementary Education	Davenport, Iowa
Marcy Jo Miller--Accounting	Davenport, Iowa
Marion Russell Miller---cum laude--Spanish and French	Davenport, Iowa
Katherine Lynn Milnes--magna cure laude--Accounting	Neponset, Illinois
Michael Anthony Mims---Criminal Justice	Cedar Rapids, Iowa
Ellen Christine Moeller--summa cum laude--Accounting	Davenport, Iowa
Susan Jean Moeller--magna cum laude--Economics and Spanish	Bettendorf, Iowa
Mary Beck Moffitt--computer Information Systems	East Moline, Illinois
Aaron J. Mohr--Business Administration	LeClaire, Iowa
Thomas O. Moore--Business Administration	East Moline, Illinois
Anne Marie Morrissey--Business Administration	Grand Mound, Iowa
Jay Curtis Morrow--Business Administration	Andalusia, Illinois
Diane Marie Mosher--summa cum laude--Accounting	Bettendorf, Iowa
Marnie C. Mueller--Elementary Education	Aurora, Illinois
Ann Elizabeth Mulcahy--Mass Communications	Joliet, Illinois
Elizabeth A. Murphy--English	St. Louis, Missouri
Michelle Marie Murphy--Psychology	Brown Deer, Wisconsin
Lori Ann Naber--Criminal Justice	Davenport, Iowa
Scott K. Naber---cum laude--Criminal Justice	New Vienna, Iowa
Julie Ann Nash--Business Administration	Davenport, Iowa
Shannon Ray Neal--Criminal Justice	Davenport, Iowa
Jeffrey Owen Nelson~riminal Justice	Delmar, Iowa
Andrea M. Neu--Business Administration	Bettendorf, Iowa
David T. Neuses--Business Administration	Dubuque, Iowa
Joseph William O'Brien--Business Administration	Davenport, Iowa
Gregory Oetzmann--Criminal Justice	Eldridge, Iowa
Tim M. Oetzmann--Business Administration	Davenport, Iowa
Mitchell Lynn Olson--Criminal Justice	Carlisle, Iowa
Lisa Nicole Owens--Mass Communications	Hazelcrest, Illinois
Violet Diann Palmer--Business Administration	East Moline, Illinois
Gary Justin Paper--magna cum laude--Business Administration	Durant, Iowa
Angela Jean Pascazio---Accounting	Davenport, Iowa
Koralee Patzer--Business Administration	Eldridge, Iowa
Melinda Kay Pauley---summa cum laude--Accounting	Taylor Ridge, Illinois
Ann Luise Paulsen--cum laude--Psychology	Lost Nation, Iowa
Lucyna M. Pawlowski--Psychology	Chicago, Illinois
Brenda S. Peiffer--Psychology	Eldridge, Iowa
Jennifer Susan Peters--Elementary Education	Westchester, Illinois
Marilyn Jo Peters--Math Education	Davenport, Iowa
Cherie Dawn Pettengill--Psychology	Ottumwa, Iowa
Howard Pettersson--English	Davenport, Iowa
Bobbi Jean Pfeiffer--Physical Education	Dubuque, Iowa
Sharon Lynn Prindle---Elementary Education	Wheeling, Illinois
Todd Michael Pruess--Business Administration	Lowden, Iowa
Kathryn Ransom---cum laude--English	Geneseo, Illinois

Bryan Michael Rausch--Business Administration	Newton, Iowa
Peter N. Recker--History	Cascade, Iowa
Matthew Lawrence Reineke--Psychology	Davenport, Iowa
Carla M. Reitz--cum laude--Criminal Justice	Silvis, Illinois
Christopher W. Rewers--Mass Communications	Chicago, Illinois
Katherine J. Rhoer--Mass Communications	Fort Madison, Iowa
Karrie Lynn Ries--Accounting	Moline, Illinois
David F. Robinson--Mass Communications	Goose Lake, Iowa
Thomas Grant Rodgers--Business Administration	East Moline, Illinois
Kevin Michael Ross--magna cum laude Elementary Education,	Davenport, Iowa
Diane Kay Rostenbach--magna cum laude--Accounting	Davenport, Iowa
Michael Pau. LRuggeberg--summa cum laude--Accounting	Davenport, Iowa
Richard Keith Russell--magna cum laude---Psychology	Bettendorf, Iowa
Monica Marie Ryan--Sociology and Psychology	Davenport, Iowa
Mark Henry Schafer--Accounting	Davenport, Iowa
Mark D. Schlichting--Business Administration	Bettendorf, Iowa
Jeffrey Richard Schmeltzer--Accounting	Bettendorf, Iowa
Bryce William Schmidt--magna cum laude Criminal Justice	Preston, Iowa
Shirley M. Schmidt--magna cum laude--Theology	Blue Grass, Iowa
Renate Schmitt---cum laude--Psychology	Davenport, Iowa
Jill Marie Schneden--cum laude--Elementary Education	Delmar, Iowa
Rebecca C. Schoenig--magna cum laude--Accounting	Durant, Iowa
Anthony James Schuster--Mass Communications	Dubuque, Iowa
Michelle Lynn Schuster--Business Administration	DeWitt, Iowa
Dennis P. Sekharan---cum laude--Mass Communications	Davenport, Iowa
Michael William Sharer--Biology	Davenport, Iowa
Michelle Ann Sieren--summa cum laude--Accounting	Keota, Iowa
George Walter Sierra--magna cure laude-Mass Communications	East Moline, Illinois
Bonieta Maria Sievers--German and Political Science	Soesterberg, Netherlands
Thomas D. Simkins--Accounting	Davenport, Iowa
Tawnni Lynn Simpson--magna cum laude-Psychology	Davenport, Iowa
David B. Simpson, Jr.--Criminal Justice	Fort Madison, Iowa
Jonathan M. Sitzmann--Business Administration	Davenport, Iowa
Sam Slavens--Business Administration	Bettendorf, Iowa
Leigh Jay Sloan--Psychology	Moline, Illinois
David Neuman Smit--Business Administration	Davenport, Iowa
Adam J. Smith--Business Administration	Davenport, Iowa
Colleen M. Smith--Sociology	Peoria, Illinois
Jean Marie Smith--Business Administration	Rock Island, Illinois
Julie Kay Snyder--Mass Communications	Davenport, Iowa
Daniel F. Solis--Business Administration	Davenport, Iowa
Timothy John Solis--Mass Communications	Davenport, Iowa
Jolleen Ann Sommers--Sociology and Psychology	DeWitt, Iowa
John David Spelman--Physical Education	Cedar Rapids, Iowa
Linda S. Staner---cum laude--Accounting	Bernard, Iowa
Shevonne Evelyn Starry--Psychology	Davenport, Iowa
Troy LeVell Steffens--Physical Education	Davenport, Iowa
Jeffrey Lewis Strong--Computer Science	Davenport, Iowa
Mark W. Sturtevant--Philosophy and Theology	Nashville, Tennessee
Randal Jay Taets--Business Administration	Coal Valley, Illinois
Candace Taplin--magna cum laude--Elementary Education	Sabula, Iowa
Lara Marie Tappendorf--Business Administration	East Moline, Illinois
Nicole Tegeler--Physical Education	Morrison, Illinois
Leasa Marie Terronez--Art	Davenport, Iowa
Julie Marie Theill--Psychology	East Dubuque, Illinois
Lynn Denise Thiessen--Business Administration	Blue Grass, Iowa
Catherine Mary Thompson--Criminal Justice	Davenport, Iowa
Dennis J. Ties--cum laude--Business Administration	Bellevue, Iowa
James F. Toal--History	Davenport, Iowa

Rebecca A. Togman--Accounting	Davenport, Iowa
Cory Joseph Tomasson--Mass Communications	Lacon, Illinois
Kathryn Ann Tomeczko--Business Administration	Barrington, Illinois
Julie Ann Troyer--magna cum laude--English	Blue Grass, Iowa
Yvonne L. True---cum laude--Accounting	Montpelier, Iowa
Linda Marie Turner---cum laude--Psychology	Moline, Illinois
Jon Clair Turnquist--Psychology.,	Delmar, Iowa
Kay Twigg--summa cum laude--Accounting	Delmar, Iowa
Edgardo Jose Viia--Business Administration	Tampa, Florida
Wayne Russell Vittori--Criminal Justice	Rock Island, Illinois
Andrew R. Volz--Sports Management	Amana, Iowa
Richard Lee Vyncke--summa cum laude--Computer Information Systems	Davenport, Iowa
Robert Paul Waetke---cum laude--Accounting	Davenport, Iowa
Christopher Walker--Sociology	Davenport, Iowa
Andrew Van Cleemput Walsh--magna cum laude--Political Science and Philosophy	Davenport, Iowa
Lisa Ann Walsh--Political Science	Rock Island, Illinois
Dianne Louise Watson---cum laude--Business Administration	Davenport, Iowa
Judith Ann Watts--magna cum laude--Psychology and Criminal Justice	Bettendorf, Iowa
Cheryl Ann Wedewer--magna cum laude--Elementary Education	New Vienna, Iowa
Peter Christopher Weiman--Psychology	Davenport, Iowa
Michele L. Weir--Criminal Justice	Davenport, Iowa
Philip H. Wentzel--Criminal Justice	Davenport, Iowa
Ann Marie Whalen--Mass Communications	Peoria, Illinois
Joseph P. Whalen--Psychology	Davenport, Iowa
Kathleen Jo Whalen--Art	Peoria, Illinois
Jill A. Whitmore---Accounting	Davenport, Iowa
Michael D. Wiklund--magna cum laude--Accounting	Rapids City, Illinois
Susan Lyn Wilhelm--summa cum laude--Accounting	Bettendorf, Iowa
Jean M. Willhite--Psychology	Evanston, Illinois
Robin Lynn Wilson--Mathematics Education and Psychology Administration	Clinton, Iowa
Elizabeth Mary Wolf--magna cum laude--Business	Davenport, Iowa
Betsy Anne Woodley---cum laude--Sociology and Psychology	Davenport, Iowa
Kristin J. Woodruff--Business Administration	Davenport, Iowa
Lanette Lea Yauornik--Business Administration	Princeville, Illinois
Carla Naomi Zier--Business Administration	Davenport, Iowa

**BACHELOR OF APPLIED MANAGEMENT TECHNOLOGY DEGREES**

Rod Jeffrey Krahl	Milan, Illinois
Marlene L. Meincke	Davenport, Iowa
Connie C. Morgan---cum laude	Davenport, Iowa
Amber Laine Moser	Eldridge, Iowa
Darcey Lynn Verbeck	Atkinson, Illinois
Karla Ann Wyatt	Davenport, Iowa

**BACHELOR OF ARTS IN SPECIAL STUDIES DEGREE**

Jane E. Moore	Bettendorf, Iowa
---------------	------------------

**BACHELOR OF EDUCATION DEGREES**

Susan Ackerman Henn--magna cum laude	Princeton, Iowa
Marlene Rae Peavy Miller---cum laude	Davenport, Iowa
Joanne Tyler---cum laude	Davenport, Iowa

**BACHELOR OF ELECTED STUDIES DEGREES**

Kimberly Ann Case	Moline, Illinois
Anthony P. Hoepfner	Moline, Illinois
Susan Jean Scott	Gnadenhutten, Ohio
Wendy D. Smith--cum laude	Davenport, Iowa

**BACHELOR OF MUSIC EDUCATION DEGREES**

Melissa Ellen Lee  
Kerry Drew Tucker, Jr

Kewanee, Illinois  
Davenport, Iowa

**BACHELOR OF SCIENCE DEGREES**

Kelly Sue Behrens--Biology  
Donna Mav Benewich--Computer Science  
Janet L. Burroughs-Computer Science  
Mark R. Crowell-Computer Science  
Marinela Cruz Damaso---cum laude--Biology  
Ronald Fredrick Driscoll 11--Biology  
John Kenneth Ferry-Computer Science  
Amy Elizabeth Hoeg--summa cum laude--Biology  
Amanda Louise Kitchen---cum laude--Biology  
Carolyn Louise McKanna---summa cum laude--Computer Science  
Gordon W. McLeland---cum laude--Biology  
William P. Morrissey IV-Computer Science  
Chester R. Pointer-Computer Science  
Sara Marie Shumaker--summa cum laude--Biology  
Amy Kathleen Snook---cum laude--Biology  
Dennis Dean Stroh---cum laude Industrial Engineering  
Shari A. Weaver--Mathematics  
Lawrence P. Zitkus---Computer Science

Davenport, Iowa  
Bettendorf, Iowa  
Princeton, Iowa  
Davenport, Iowa  
Bettendorf, Iowa  
Preston, Iowa  
Moline, Illinois  
Davenport, Iowa  
Davenport, Iowa  
Bettendorf, Iowa  
Oscalooosa, Iowa  
Bettendorf, Iowa  
Davenport, Iowa  
Davenport, Iowa  
Davenport, Iowa  
Rock Island, Illinois  
Davenport, Iowa  
Kirkland, Illinois

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING DEGREES**

Stephen L. Hamilton  
Christopher Allan Kargl  
Kurt C. Ketelsen---cum laude  
Richard Robert Riessen--magna cum laude  
Louis E. Uptmor--magna cum laude  
Charles Van Laarhoven--magna cum laude

Blue Grass, Iowa  
Rock Island, Illinois  
DeWitt, Iowa  
Walcott, Iowa  
Milan, Illinois  
Davenport, Iowa

**BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY DEGREES**

Valerie L. Anderson  
Tamara Kav Avers-Menke  
John Robert Bernard  
DeAnna Dickerson  
Ryan E. Driessens  
James A. Gerdes  
Rudolpho Gomez  
Molly Jo Hingtgen  
Lynette Jean Hubbard--cure laude  
Christiana Hueholt  
Jan Marie Jasper  
Kristi Mane Knepper  
Sean Patrick Lyons  
Tricia Lynn Mann  
Bradley Keith Michelson---cure laude  
Elizabeth Anne Nelson  
Ann Luise Paulsen---cure laude  
Lucyna M. Pawlowski  
Susan M. Reynolds  
Renate Schmitt--cum laude  
Kimberly Anne Setser  
Laura Lynn Swanson--cure laude  
Julie Marie Theill  
Jon Clair Turnquist  
Peter Christopher Weiman

West Burlington, Iowa  
Davenport, Iowa  
Moline, Illinois  
Davenport, Iowa  
Annawan, Illinois  
Davenport, Iowa  
Davenport, Iowa  
Maquoketa, Iowa  
Bettendorf, Iowa  
Des Moines, Iowa  
DeWitt, Iowa  
Cascade, Iowa  
Clinton, Iowa  
Galva, Illinois  
Mr. Pleasant, Iowa  
Clinton, Iowa  
Lost Nation, Iowa  
Chicago, Illinois  
Davenport, Iowa  
Davenport, Iowa  
Mason City, Iowa  
Lynn Center, Illinois  
East Dubuque, Illinois  
Delmar, Iowa  
Davenport, Iowa

Joseph P. Whalen  
James J. Hoffmann

Davenport, Iowa  
Erlanger, Kentucky

**MEMBERS IN XI CHAPTER OF DELTA EPSILON SIGMA**

Doreen Mary Abens  
Susan Cheree Anthony  
Christina Marie Arnold  
Sherry Lynn Bowe  
Michelle Breneman  
Julie Anne Buzzell  
Sheila Marie Connelly  
Mary Kay Cousins  
Karla Ann de la Torre  
Brenda Sue Eisentrager  
Sheryl L. Fahrenkrog  
Christina Ann Fryxell  
Katherine Kerrie Hancock  
Amy Elizabeth Hoeg  
Julia Ann Hopson  
David J. Kessler  
Kristie Langbehn  
Robbyn M. Lee  
LeRoy O. Lindquist  
Carolyn Louise McKanna  
Katherine Lynn Miines  
Ellen Christine Moeller  
Susan Jean Moeller  
Gary Justin Paper  
Melinda Kay Pauley  
Richard Robert Riessen  
Kevin Michael Ross  
Diane Kay Rostenback  
Michael P. Rugeberg  
Bryce William Schmidt  
Shirley M. Schmidt  
Rebecca C. Schoenig  
Sara Marie Shumaker  
Michelle Ann Sieren  
George Walter Sierra  
Tawnni Lynn Simpson  
Kay Twigg  
Louis E. Uptmor  
Richard Lee Vyncke  
Cheryl Ann Wedewer  
Susan Lyn Wilhem

**MASTER OF ACCOUNTING DEGREES**

Jean Marie Carroll  
Gene Fleetwood  
Kurt Thomas Lewin  
David A. Schebler  
Charles Daniel

Bettendorf, Iowa  
Durant, Iowa  
Davenport, Iowa  
Davenport, Iowa  
Trimble DeWitt, Iowa

**MASTER OF BUSINESS ADMINISTRATION DEGREES**

Carey C. Anderson  
Daniel Lee Anderson  
Tariq Shamin Ansari  
Dodd R. Bader  
Steve M. Bamman

Bettendorf, Iowa  
Davenport, Iowa  
Davenport, Iowa  
Cedar Rapids, Iowa  
Clinton, Iowa

Kent L. Beals  
 John Arthur Bear  
 Richard Thomas Bechert  
 Jeffery Thomas Bell  
 William Max Bentley  
 Michael Louis Biel  
 Robert B. Billington  
 David Lee Bluder  
 Lawrence T. Bonde  
 Edwin I. Borr  
 Annette Jane Bott  
 William R. Bowmaster  
 Thomas L. Bradley  
 Jeffrey A. Brodsky  
 Lisa A. Burke  
 Evan Keith Buskohl  
 Raymond Eugene Bybee  
 Bradley G. Carter  
 Randy D. Crow  
 Eldon Duane Davenport  
 Donnie R. Davison  
 Perry L. Denker  
 David John Derks  
 Debra Lynn DeSmet  
 Richard Lee Distelhorst  
 Timothy Dean Dixon  
 Darla Rae Eggers  
 Jeffrey M. Evans  
 Troy D. Farley  
 David Joseph Fenton, Jr  
 Jane Marie Fett  
 Rebekah Fredricksen  
 Barbara S. Freyermuth  
 Amy Newbanks Fuller  
 Michael J. Fulton  
 Elizabeth Jean Gabbard  
 Richard J. Gansen  
 James R. Gilson  
 Thomas William Graham  
 Mitchel Scott Hamilton  
 Richard L. Henley, Jr  
 Stephen James Hermiston  
 Frank G. Hernandez  
 Carolin B. Hohensee  
 John A. Hubbard  
 Steven M. Kinhead  
 Mark E. Leach  
 Joseph A. Lee  
 Kevin R. Lee  
 Naomi Mead Lincoln  
 Kimberly Ann Lindstrom  
 Robin L. Lovely  
 Gerald Patrick Lowry  
 Lori Ann Maine  
 David Charles Mallinson  
 Walter M. McClure  
 Maureen Elizabeth McGarry  
 Curtis Gene McVea  
 Scott Allen Menke

Columbus Junction, Iowa  
 Davenport, Iowa  
 Eldridge, Iowa  
 Davenport, Iowa  
 Knightdale, North Carolina  
 Bettendorf, Iowa  
 St. Petersburg, Florida  
 Urbandale, Iowa  
 Camanche, Iowa  
 Bradenton, Florida  
 Davenport, Iowa  
 Fulton, Illinois  
 Clinton, Iowa  
 Bettendorf, Iowa  
 Charlotte, Iowa  
 Morrison, Illinois  
 Silvis, Illinois  
 Wilton, Iowa  
 Burlington, Iowa  
 Stockton, Illinois  
 Maquoketa, Iowa  
 Muscatine, Iowa  
 Minnesota City, Minnesota  
 Rock Island, Illinois  
 Burlington, Iowa  
 Lavonia, Georgia  
 Clinton, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Illinois City, Illinois  
 Muscatine, Iowa  
 Clinton, Iowa  
 Chicago, Illinois  
 Clinton, Iowa  
 Bettendorf, Iowa  
 East Moline, Illinois  
 Letts, Iowa  
 Morrison, Illinois  
 Durant, Iowa  
 Moline, Illinois  
 Moline, Illinois  
 San Anselmo, California  
 Clinton, Iowa  
 Geneseo, Illinois  
 Galva, Illinois  
 Davenport, Iowa  
 Silvis, Illinois  
 Davenport, Iowa  
 Burlington, Iowa  
 Bettendorf, Iowa  
 Wapello, Iowa  
 Mt Pleasant, Iowa  
 Forrest City, Arkansas  
 Ankeny, Iowa  
 Rock Island, Illinois  
 Bettendorf, Iowa

Diane L. Meyer  
 Peter E. Mills  
 Michael D. Morrell  
 Lisa Mosley-Roberts  
 Eileen M. Mueller  
 Michael J. Mueller  
 Claire Louise Nemeth  
 Kathleen Kaye Nimrick  
 Christopher J. Otto  
 John C. Parry  
 Jeffrey Clair Pattison  
 Elias Pizano  
 Debra Sue Postel  
 Robert Lee Prescott  
 Bruce A. Prier  
 Shirley A. Ritter  
 D. Paul Rittman  
 Dennis Lee Schleif  
 Randy A. Schnack  
 Daniel E. Schueller  
 Francis Bradley Schulte  
 Roger J. Sheagren  
 Joseph Rolland Shoemaker  
 Brian Kelly Smith  
 David W. Smith  
 Troy Galen Smith  
 Jill Anne Sparapany  
 Rebecca M. Bennett Strottman  
 Thomas J. Tallman  
 Ronald Wayne Teater  
 Randall Wayne Thompson  
 Bart Alan Timmerman  
 John Jacobs Timmons  
 Charles Daniel Trimble  
 Cari Curlott VanBlair  
 Carlie Danielle Vanwilligen  
 Carol Ann Mack Wagle  
 Jerry M. Wahl  
 David Allen Wallace  
 Lynne Wamsley  
 Daniel James Warren  
 Kimberly Ann Wheat  
 Lisa A. Whitaker  
 Cathie S. Whiteside  
 Jeffrey Craig Williams  
 Keith R. Wilson  
 Karin Kroushl Witherow  
 Peter Woe  
 Scott Charles Wolf  
 John Hewett Womack  
 Jeff Young  
 Sidney R. Younger

Walcott, Iowa  
 Savanna, Illinois  
 Coal Valley, Illinois  
 Burlington, Iowa  
 Davenport, Iowa  
 Cedar Falls, Iowa  
 Bettendorf, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Muscatine, Iowa  
 Bettendorf, Iowa  
 Bettendorf, Iowa  
 Burlington, Iowa  
 West Burlington, Iowa  
 Davenport, Iowa  
 Lees Summit, Missouri  
 Burlington, Iowa  
 Bettendorf, Iowa  
 Burlington, Iowa  
 West Point, Iowa  
 Burlington, Iowa  
 Burlington, Iowa  
 Dubuque, Iowa  
 Moline, Illinois  
 Bettendorf, Iowa  
 Rock Island, Illinois  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Burlington, Iowa  
 Mt. Pleasant, Iowa  
 Dubuque, Iowa  
 Davenport, Iowa  
 DeWitt, Iowa  
 Rock Island, Illinois  
 Galesburg, Illinois  
 Reynolds, Illinois  
 Bettendorf, Iowa  
 Burlington, Iowa  
 Davenport, Iowa  
 Davenport, Iowa  
 Bettendorf, Iowa  
 Eldridge, Iowa  
 Rock Island, Illinois  
 Mason City, Iowa  
 Taylor Ridge, Illinois  
 Davenport, Iowa  
 Mt. Pleasant, Iowa  
 Milan, Illinois  
 Rock Island, Illinois  
 Moline, Illinois  
 Brooklyn, New York

#### **MASTER OF EDUCATION IN SPECIAL EDUCATION DEGREES**

Karyn Rae Bednarek  
 Janeen L. Bienlien  
 Roger Lester Burgess  
 Janet Mary Green  
 Jeffrey Joseph Hayek

Davenport, Iowa  
 Davenport, Iowa  
 Clinton, Iowa  
 DeWitt, Iowa  
 Bettendorf, Iowa



Jane Ann Heinz	Davenport, Iowa
Margaret Patterson Houston	Davenport, Iowa
Catherine Louise Noll Litwinow	Davenport, Iowa
Lincla Joyce Malone	Eldridge, Iowa
Susan Pfaff McVay	Burlington, Iowa
Patricia Jean Moss-Farnan	Davenport, Iowa
Henry Richard Murray, Jr	Davenport, Iowa
Nancy Lou Scoular	Davenport, Iowa
Deanna Mariea Stoube	Davenport, Iowa
Gerald R. Teel, Jr	Davenport, Iowa

**COURSES CROSS REFERENCED**

<b>COURSE</b>	<b>TITLE</b>	<b>CROSS REF.</b>
CRJU 213	Statistics for Social Sciences	SSCI 213
CSCI 220	Programming with COBOL	MIS 220
CSCI 280	Advanced COBOL	MIS 280
CSCI 330	Numerical Analysis	MATH 330
ECON 315	American Economic History	HIST 359
EDUC 304	Child and Adolescent Psychology	PSYC 304
EDUC 309	Ed. Psyc.: Tests & Measurements	PSYC 309
EDUC 329	Methods of Teaching Social Sciences	HIST 395
ENGR 110	Engineering Graphics	IE 110
ENGR 220	Engineering Statics	IE 220
ENGR 302	Engineering Dynamics	IE 302
ENGR 303	Strength of Materials	IE 303
ENGR 310	Materials Science	IE 310
ENGR 312	Thermodynamics	PHYS 321, IE312
ENGR 320	Electromagnetic Theory II	PHYS 304
HIST 213	Statistics for Social Sciences	SSCI 213
HIST 307	Hist. of Christianity I: Early & Medieval	THEO 307
HIST 308	Hist. of Christianity II: Reformation and Modern	THEO 308
HIST 355	Religion in America	THEO 355
HIST 359	Economic History in the US	ECON 315
HIST 395	Methods of Teaching Social Studies	EDUC 329
IE 110	Engineering Graphics	ENGR 110
IE 220	Engineering Statics	ENGR 220
IE 302	Engineering Dynamics	ENGR 302
IE 303	Strength of Materials	ENGR 303
IE 310	Materials Science	ENGR 310
IE 312	Thermodynamics	PHYS 321, ENGR 312
MATH 330	Numerical Analysis	CSCI 330
MIS 220	Programming with COBOL	CSCI 220
MIS 280	Advanced COBOL	CSCI 280
MUS 317	Introduction to Musical Theatre	THTR 317
PHYS 304	Electromagnetic Theory II	ENGR 320
PHYS 321	Statistical Physics and Thermodynamics	ENGR 312, IE 312
PSCI 213	Statistics for Social Sciences	SSCI 213
PSYC 213	Statistics for Social Sciences	SSCI 213
PSYC 304	Child & Adolescent Psychology	EDUC 304
PSYC 309	Ed. Psyc.: Tests & Measurements	EDUC 309
PSYC 318	Group Dynamics	SOC 318
SOC 213	Statistics for Social Sciences	SSCI 213
SOC 318	Group Dynamics	PSYC 318
SSCI 213	Statistics for Social Sciences	CRJU, HIST, PSCI,
	PSYC, SOC 213	
THEO 307	Hist. of Christianity I: Early & Medieval	HIST 307
THEO 308	Hist. of Christianity II: Reformation and Modern	HIST 308
THEO 355	Religion in America	HIST 355
THTR 317	Introduction to Musical Theatre	MUS 317



**COURSE CODES**

The following course codes are used on student records at St. Ambrose University:

ACCT	Accounting
ART	Art
ASTR	Astronomy
BIOL	Biology
BUS	Business Administration
CHEM	Chemistry
CIS	(Former Course Code For Computer Information Systems)
COOP	Cooperative Education
CRJU	Criminal Justice
CSCI	Computer Science
ECBA	(Former Course Code For Economics And Business Administration)
ECON	Economics
ECSE	Early Childhood Special Education
EDUC	Education
ENGL	English
ENGR	Engineering
FLAN	Foreign Language
FREN	French
GEOG	Geography
GERM	German
GREE	Greek
HED	Health Education
HIST	History
HP	Honors Program
IE	Industrial Engineering (Formerly AII)
IMD	Institute For Management Development
LAT	Latin
LS	Learning Skills - Reading
MAc	Master Of Accounting
MATH	Mathematics
MBA	Master In Business Administration
MCJ	Master Of Criminal Justice
MCOM	Mass Communications
MED	Master Of Education
MGST	(Former Course Code For Management Science And Statistics)
MPS	Master of Pastoral Studies
MUS	Music
NSS	New Student Seminar
NSCI	Natural Science
OT	Occupational Therapy
PED	Physical Education
PHIL	Philosophy
PHTH	(Former Code For Team Taught Philosophy and Theology)
PHYS	Physics

**ST. AMBROSE UNIVERSITY**

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PSCI	Political Science
PSYC	Psychology
PT	Master of Physical Therapy
REDG	Reading (Developmental)
RUSS	Russian
SOC	Sociology
SPED	Special Education
SPAN	Spanish
SPEE	Speech
SPST	Special Studies
SSCI	Social Science
THEO	Theology
THTR	Theatre

## Notes on the Catalog Conversion Process

This catalog is being viewed in the Adobe Acrobat Reader using Portable Document Format (PDF), but was originally prepared for use with a different multi-media viewer.

It was converted from computer files supplied by the school, or the printed catalog was scanned and converted using an OCR (Optical Character Recognition) process. In either case, the catalog's original page formatting was stripped and all photographs and graphics were removed to conserve disk space. The catalog was then reformatted to fit the viewer parameters.

Because of this, the page numbers in the original Table Of Contents and Index were no longer valid and these sections were deleted to avoid confusion. A new, hyperlinked table of contents was then created.

Future editions of this catalog will be converted with a process that better retains page formatting and the original table of contents and index will be hyperlinked.