



Benedictine University

Undergraduate Course Catalog

2010-2011

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Academic Requirements and Policies

Rationale

The purpose of the following academic requirements, regulations and policies of Benedictine University is twofold:

1. To establish and secure an academic standard for all students that determines the value and quality of the associate's and bachelor's degrees for all graduates; and
2. To protect both the student's and the University's interests by assuring maximum accuracy in all academic records.

Advisors are provided to assist in planning students' academic programs. They are not authorized to change established policy of the University. The final responsibility for satisfying University and major requirements rests with the student.

Core curriculum

At Benedictine University, at the heart of the College of Liberal Arts is our institution's Core program, and at the center of the Core program is our Cultural Heritage Sequence. Students take a sequence of five historically oriented, primary-text based, reading and writing intensive, seminar-conducted courses. These Courses include: *Person in Community: Writing Colloquium* (WRIT 101), *Mediterranean World* (HUMN 220, The Origins of Humanity to approximately 350 C.E.), *Baptism of Europe* (HUMN 230, approximately 350-1500 C.E.), *Converging Hemispheres* (HUMN 240, approximately 1500-1850 C.E.), and *Contemporary World* (HUMN 250, approximately 1850 C.E. to the present).

The courses are a combination of standard selected world civilization materials, significantly enriched with culturally critical "Core Text" additions. The students are asked to internalize the basic chronology and geography of selected world history, in addition to reading and addressing a very significant sampling of the "Great Texts" associated with this development of the Catholic intellectual tradition. In addition, the Core Program deems a number of themes to be especially crucial to the understanding and heritage of this history. These include: the relationship of the individual person to his or her community; the contributions of religious faith and philosophical thought to the understanding of this person in community; the relationship of the individual to society; the history, methods and impact of the natural sciences on individual persons, their communities, their societies and their environment; and finally, the artistic and literary heritage of world civilization. The courses are staffed by Benedictine faculty across all disciplines and curricula.

One particular feature that makes the Benedictine University Liberal Arts Core Program distinctive is its reliance on the resources of the Catholic and Benedictine traditions, and the relationship of these traditions to the development both of human culture and civilization. An overall aim of the program is to offer students a particular vision of the individual in community, a vision which respects and promotes personal freedom and social harmony, while providing an understanding of the means necessary to secure both. The

overall goal is to prepare students for a lifetime of continued learning, a holistic understanding of human knowledge, and active and responsible citizenship.

Goals

Through the Core program and curriculum, students completing the program will/should accomplish all of the following learning goals:

1. Demonstrate an effective level of cognitive, communicative and research skills;
2. Achieve a college level of computational skills and an ability to understand and interpret numerical data;
3. Acquire a knowledge of the history and heritage of western civilization to include:
 - a. the contributions of religious faith and philosophical thought to understanding the individual in community;
 - b. the relationship of the individual to society: membership and participation in groups and institutions;
 - c. scientific literacy through a knowledge of the history, the methods and the impact of science on the individual, society and the environment;
 - d. artistic and literary heritage;
4. Develop an understanding of global society: cultural diversity, mutual relationships, interdependence of peoples and nations;
5. Apply liberal learning in problem solving contexts as preparation for active participation in society; and
6. Make informed ethical decisions that promote personal integrity, the legitimate rights and aspirations of individuals and groups, and the common good.

Majors and degrees

Students may earn the following degrees by choosing a major program (see below).

The University offers professional programs approved by the State of Illinois in teacher education in the following areas: biology, business/marketing/management, chemistry, elementary education, English, mathematics, physics, social science, Spanish and special education.

In addition, pre-professional education is available in dentistry, engineering, law, medicine, occupational therapy, optometry, pharmacy, physical therapy, podiatry and veterinary medicine.

Majors

Associate of Arts:

Business Administration +^

Bachelor of Arts:

Bilingual Journalism

Bachelor of Business Administration:

Accounting*

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Biology
 Communication Arts+
 Criminal Justice
 Economics
 Elementary Education+
 Engineering Science
 English Language and Literature
 Graphic Arts and Design
 Global Studies
 History+
 International Business and Economics
 International Studies
 Management +^
 Medical Humanities
 Music
 Music Education
 Organizational Leadership^
 Philosophy
 Physical Education
 Political Science
 Psychology
 Social Science
 Sociology+
 Spanish
 Special Education
 Studio Art
 Theology+
 Writing and Publishing+

Business and Economics+
 Business with Science Applications
 Finance*+
 Health Administration^
 Management and Organizational
 Behavior+
 Marketing+

Bachelor of Fine Arts:

Fine Arts

Bachelor of Science:

Biochemistry/Molecular Biology
 Biology+
 Chemistry
 Clinical Laboratory Science
 Computer Information Systems
 Computer Science
 Environmental Science
 Diagnostic Medical Sonography
 Health Science+
 Mathematics
 Nuclear Medicine Technology
 Nursing (R.N.s only)+^
 Nutrition
 Physics
 Radiation Therapy

* Offered in traditional undergraduate and adult accelerated undergraduate formats

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^ *Offered only in the adult accelerated format*

+ *Also offered on the Springfield campus*

Degree status

Degree status is the recognition accorded a student who is formally admitted through the admissions process described in the section, "Admission to Benedictine University." Any student who does not have degree status is designated a student-at-large. A student may receive only one bachelor's degree from Benedictine University but other majors for which requirements have been completed may be listed on the transcript

Student-at-Large (SAL)

A student-at-large is either a full- or part-time student who does not have degree status and is ineligible for any financial assistance. The SAL is taking courses for his or her own enrichment and is not working toward a degree. Interested persons may contact the New Student Advising Center. All academic policies and institutional regulations apply to the SAL, except that the student is not identified with any class year. The SAL may later request admission to degree status through the formal admission process. Admission and acceptance of credits completed is subject to the discretionary approval of the University.

Courses taken as an SAL do not count toward the residency requirement if the SAL student is later admitted to degree status. SAL credit may fulfill other graduation requirements, with the approval of the program chair. Regardless of status, all courses taken for credit will become part of the student's official record at Benedictine University. The graduation requirements a student must meet are those in effect at the time of admission to degree status, which may be different from those in effect during the SAL period. SAL status is not available to students denied regular admission to Benedictine, those who have recently been dropped by the University for poor scholarship, or those who have been dismissed from the last institution of attendance within the previous 12 months.

Future Scholars program

As "Future Scholars," superior high school students may take regular University courses, prior to their graduation from high school, and receive a special scholarship. Courses are available during the regular school year and the summer session. Credits earned will be posted on a Benedictine University transcript and will apply toward a degree at Benedictine or may be transferred to another college. Students will normally be limited to one course per semester and must maintain a "C" average to have the scholarship renewed.

Second Baccalaureate Degree Program

This program is designed for persons who already have a Bachelors degree in one area and would like to gain expertise in another. Students with a Benedictine University degree will not be eligible for this program.

Students interested in this program must apply for admission to the University and submit official transcripts from all colleges and universities in which they were previously enrolled. Students must complete

all coursework on the second degree within seven years of admission to the program. Students must be enrolled in at least one course per term. Life experience credit, transfer and CLEP exam credit may be counted toward the program requirements, if appropriate, as determined by each department. However, at least 12 hours of 200/300-level classroom courses must be completed at Benedictine University.

Applicability of courses taken as Student-At-Large prior to admission to the Second Baccalaureate Degree Program will be determined upon initial evaluation.

Dual Credit Policy

Benedictine University will articulate, with limitations, coursework completed in a dual credit or dual enrollment program while enrolled in high school if the course is transcribed as college level on a college transcript and meets the criteria set by the Transfer Credit Policy. Coursework with a potential to count towards basic skills or major requirements is subject to review by the appropriate department chair/program director and might not be considered transferable. Coursework completed in this manner and deemed transferable will be posted on the transcript indicating completion prior to high school graduation.

Summer session

These sessions are offered to current Benedictine students and visiting students. The University offers a broad range of courses during the summer sessions. Interested students should contact the Student Success Center

Graduation requirements - Bachelors Degree

1. Liberal arts core requirements:

a. Skills requirements:

Unless a student can demonstrate proficiency, he/she must complete 12 credit hours in Basic Skills. A student must receive a "C" or better in each of these courses to meet this requirement. The Basic Skills courses and the ordinary methods of demonstrating proficiency are as follows:

- i. Person in Community: Writing Colloquium: writ-S101; Research Writing: WRIT-S102; or by passing HNRS-190 and HNRS-191. If WRIT-S101 is satisfied by AP Credit, credit in WRIT-104 is required.
- ii. Speech Communication: RHET-S110
Proficiency: by passing HNRS-191 or proficiency by examination.
- iii. Quantitative Skills: MATH-S105, S108 or S110
Proficiency: by earning CLEP credit in College Algebra; by placement above MATH-S105, S108 or S110 on the Math Placement Test; by passing MATH-111, 115, 170, or any 200- or 300- level math course.

b. Cultural Heritage Series12 credit hours

This interdisciplinary series consists of four courses covering successive periods in history:

HUMN-220: The Mediterranean World

HUMN-230: The Baptism of Europe

HUMN-240: Converging Hemispheres

HUMN-250: The Contemporary World [Required of all students]

The courses highlight the origins and development of western civilization, including both the way other cultures have influenced the west and how they have been impacted by it. Drawing upon the resources of the Catholic and Benedictine traditions, the overall approach is historical, with various components of human thought and expression emphasized throughout the series, including religion, philosophy, art, music, literature, social institutions and approach to nature. Because they are organized in chronological sequence, the courses should be taken in order.

The Cultural Heritage courses are described in this Catalog under the HUMN course descriptions. Courses required to meet state or national accreditation requirements may supersede institutional policies as approved by the Registrar.

c. Core Electives:

Arts and Humanities12 credit hours
3 credit hours in Fine Arts/Music, 3 credit hours in Literature/Foreign Language Literature, 3 credit hours in Philosophy and 3 credit hours in Religious Studies/Theology. Core elective courses are labeled with a “C” in the Catalog and in the Course Schedule.

Natural Sciences9 credit hours
At least three credit hours must be taken from the specified courses in Physical Sciences and at least three credit hours from the specified courses in Life Sciences. Core elective courses are labeled with a “C” in the Catalog and in the Course Schedule.

Social Sciences9 credit hours
3 credit hours in Psychology or Sociology
3 credit hours in Economics or Business
3 credit hours in either Anthropology or Political Science. Core elective courses are labeled with a “C” in the Catalog and in the Course Schedule.
Courses required to meet state or national accreditation requirements may supersede institutional policies as approved by the Registrar.
Note: Transfer, Degree Completion and Adult Program students see below for exceptions to the above requirements.

d. Writing Intensive (WI) Courses:

WI courses are designed to emphasize writing process and writing instruction in classes distributed throughout a student's time at Benedictine University. As part of Writing Across the Curriculum (WAC), students will take the following two WI courses:

- i. HUMN-250: The Contemporary World – WI
- ii. WI course in the major

Transfer students who have completed all of their Core electives or who have already taken the course in their major that is designated WI may be exempted from the WI course in their major.

2. A student must earn 120 credit hours to qualify for graduation and must maintain a “C” average (2.00) in all Benedictine University coursework.
 - Courses with a number below 100 do not count toward the 120 credit hours required for graduation.
 - University-level courses completed to fulfill a condition of admission count toward the 120 hour graduation requirement, but do not satisfy University Core requirements.
3.
 - a. A student must select a major field of study before completing 60 credit hours, and must complete the requirements set forth in the catalog under the heading for the selected major. Only courses in which a student has received a “C” or better may be applied to the major requirement.
 - b. A major field of study requires at least 36 credit hours, of which a minimum of 24 credit hours must be completed at the 200-level or above, of which at least nine credit hours must be at the 300-level or above.
 - c. Students are encouraged to supplement their major and core programs with appropriate minors. The minor can be used to round out a program of study by complementing the required major. For example, a student who selects a major in a technical or professional area might select a minor in the liberal arts to gain additional analytical and communication skills and vice versa.
 - d. A minor consists of at least 21 and no more than 30 credit hours of courses completed from the specified list for the minor program. At least 12 credit hours at the 200-level or above, including at least three credit hours at Benedictine at the 300-level, must also be completed. Only courses in which a student has received a grade of “C” or better may be applied to the minor. Any credit hours completed for a minor may be used to fulfill core or major requirements. Successfully completed minors are designated on the transcript following graduation.
 - e. A concentration is a grouping of courses within a student’s major. This grouping consists of at least 12 semester hours of required or recommended courses designed to focus on a particular aspect of a major, and/or to focus on a particular career opportunity for graduates of that major.
4. At least 55 of the 120 credit hours for graduation must be completed at a four-year regionally accredited college (of which 45 credit hours must be completed at Benedictine University) and at least 30 of the final 45 credit hours must be completed at Benedictine University, including at least 12 credit hours at the 200-level or above in the major. Courses completed at Benedictine prior to formal admission to degree status may not be used to fulfill this academic residency requirement. Such credit may fulfill other graduation requirements with the approval of the department and division chairpersons.

Note: Students who qualify for the Degree Completion Program and the Adult Program are exempted from the 45 credit hour academic residency requirement. See Degree Completion Program.

5. A maximum of 30 credit hours earned through any one or combination of external credit programs may be applied with the approval of the University toward the 120 credit hours required for the bachelor's degree. These credits will not normally satisfy the academic residency requirement. Applications may be obtained in Benedictine Central or the Office of the Registrar.
 - a. The Advanced Placement Program — ETS tests are offered to high school sophomores, juniors or seniors once a year and the scores are sent to Benedictine. Students who score three, four or five are given credit in the appropriate course area.
 - b. CLEP Tests — CLEP is an acronym for the College Level Examination Program which gives students the opportunity to show that they have the knowledge necessary to gain course credit without actually taking the course. CLEP credits are not acceptable as transfer credits from other institutions, but evidence of CLEP scores will be evaluated for credit toward the Benedictine University degree. The applicant must submit an official copy of the grade report sent by Educational Testing Service. CLEP tests should be taken in the freshman or sophomore year. Students may not receive CLEP credit in a subject area in which they have completed course work. CLEP credit in major courses must be approved in advance by the department chair.
 - c. Work/Life Experience Credit — Work/Life experience credit represents attainment through work or other non-academic experiences, of the same degree of competence in a subject (of at least a "C" level) that University undergraduates obtain in the classroom. Application for life experience credit must be for a course specifically described in the University Catalog.
 - d. ACT PEP Test — PEP is an acronym for the Proficiency Examination Program. At Benedictine, PEP allows BS nursing students to be examined in the three nursing areas of Maternal and Child Nursing, Psychiatric/Mental Health Nursing, and Adult Nursing. Successful completion of all tests results in 24 credit hours. These 24 hours are not considered external credit and therefore do not count toward the 30 credit hour limit.
 - e. Other External Credit — Benedictine University allows students to apply, toward the 120 credit hours required for the bachelor's degree, acceptable hours which have been earned through military experience and/or courses.
6. A student may apply internship credit towards graduation credit as follows: Humanities, 12 hours; Business Programs, 12 hours; International Business & Economics, 12 hours; Political Science, 12 hours; Health Care, 3 hours; Nutrition, 12 hours; Sociology/Psychology, 6 hours; Computer Science, 12 hours; Mathematics, 12 hours; Biology, 12 hours.
7. Waivers of University or program requirements may be made for sound cause acceptable to the University when extenuating circumstances arise. Three graduation requirements which are never waived are the 120 credit hour minimum, the minimum grade point average of 2.00, and the minimum credit hour residency. The student begins a request for a waiver by seeking the approval of his/her academic advisor. The number of additional approvals depends on the nature of the waiver.
8. A student must earn the recommendation of the faculty of his or her major program for graduation. Normally this recommendation is based upon fulfilling the program requirements, including a comprehensive examination or other integrating experience.
9. One must be in good standing and have settled all financial accounts with the University to qualify for graduation.

Transfer students

Credits to be transferred from other institutions are evaluated on the basis of their equivalent at Benedictine University. This determination is made by the Transfer Credit Evaluation and Articulation department and, if needed, the appropriate department chair or program. Transfer grades are not counted in the cumulative grade point average earned at Benedictine University.

Liberal Arts Core Requirements for Transfer Students:

1. Transfer students with more than 20 transferable hours:
WRIT-S101, S102; SPCH-S110 or equivalent, or proficiency; MATH-S105 or S108, or S110 or proficiency [a student must receive a "C" or better in each course to meet the requirement]; three natural science courses with at least one from life sciences and one from physical sciences, for a total of at least nine semester hours; four arts and humanities courses for a total of at least 12 semester hours with at least one but no more than two from FNAR/MUSI, and at least one but no more than two from LITR/FRLG LITR, PHIL, RELS/THEO, the remaining two courses are to be chosen from COMM, FNAR, MUSI, FRLG, HIST, LITR, PHIL, RELS/THEO; three courses from the social sciences from at least two different disciplines. Equivalent transfer courses, if taken prior to admission, may meet these requirements. Any course taken to fulfill these requirements after admission to Benedictine must be a core elective course (labeled with a "C" in the Catalog and in the Course Schedule). (No further restrictions apply to the above courses.)
Two of the Cultural Heritage courses must be taken at Benedictine University, of which one must be HUMN-250: The Contemporary World.
2. Transfer students who have completed all of their Core electives or who have already taken the course in their major that is designated WI may be exempted from the WI course in their major.
3. Transfer Students with 20 or fewer transferable hours or the equivalent of less than one full semester of transferable work will be responsible for taking or transferring all of the courses described in the Benedictine University Core Curriculum. The Cultural Heritage courses must be taken at Benedictine.

Degree Completion and Adult Programs

Degree Completion Program

The University provides an exception to the normal academic residency requirement of 45 semester hours for students who are eligible for the Degree Completion Program.

A minimum of 15 of the 75+ transferable semester hours required for DCP status must be from a four-year regionally accredited college or university earned prior to the start of BU coursework. The determination of DCP status is made prior to entry. Credit earned later will not be used to reclassify a student to DCP status.

Degree Completion Program students must:

1. Satisfy general entrance requirements;

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2. Complete at least the last 30 credit hours of their undergraduate degree through coursework at Benedictine University as a degree status student; and
3. Complete at least 12 credit hours of coursework at the 200-level or above in their major field at Benedictine University.

Degree Completion Program students may receive credit and/or waiver of course requirements through examination and experiential learning assessment, but these credits will not normally be part of the final 30 credit hours.

Liberal Arts Core Requirements for Degree Completion Program Students

1. Successful completion of the skills courses WRIT- S101, S102; SPCH-S110 and MATH-S105, S108, or S110. A student must receive a grade of "C" or better in each course to meet this requirement.
2. Successful completion of two natural science courses (at least six semester hours from at least two of the areas of math/computer science, physical sciences and life sciences); three arts and humanities courses (from at least two of the areas of communications, literature, foreign languages, fine arts, history, philosophy and religious studies); three courses from the social sciences (from at least two of the areas of business, economics, anthropology, political science, psychology and sociology). Any course taken to fulfill these requirements after admission to Benedictine must be a core elective course (labeled with a "C" in the Catalog and in the Course Schedule).
3. Cultural Heritage Courses:
Successful completion of the HUMN-250: The Contemporary World course, to be taken at Benedictine University.

Adult Program

The University provides an exception to the normal academic residency requirement of 45 semester hours for students who are enrolled in the Adult Program.

Adult Program students must:

1. Satisfy general entrance requirements;
2. Complete at least the last 30 credit hours of their undergraduate degree through coursework at Benedictine University as a degree seeking student; and
3. Complete at least 12 credit hours of coursework at the 200-level or above in their major field at Benedictine University.

Adult Program students may receive credit and/or waiver of course requirements through examination and experiential learning assessment, but these credits will not normally be part of the final 30 credit hours.

Liberal Arts Core Requirements for Adult Program Students

1. Successful completion of the skills courses WRIT- S101, S102; SPCH-S110; and MATH-S105, S108, or S110. A student must receive a grade of "C" or better in each course to meet this requirement.

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2. Successful completion of two natural science courses (at least six semester hours from at least two of the areas of math/computer science, physical sciences and life sciences); three arts and humanities courses (from at least two of the areas of communications, literature, foreign languages, fine arts, history, philosophy and religious studies); three courses from the social sciences (from at least two of the areas of business, economics, anthropology, political science, psychology and sociology). Any course taken to fulfill these requirements after admission to Benedictine must be a core elective course (labeled with a “C” in the Catalog and in the Course Schedule).
3. Cultural Heritage Courses:
Successful completion of two Cultural Heritage courses to be taken at Benedictine University, one of which must be HUMN-250: The Contemporary World course.

Second Major program

This program is designed for people who already have a baccalaureate degree in one area and would like to gain expertise in another. The primary benefit of this program is that the focus is on the requirements of the major, allowing students to concentrate on courses that will be most beneficial. The entrance requirement is a bachelor's degree from an accredited four-year university. Please note that financial aid is not available to students who are completing a second major. A certificate will be awarded upon completion. For those who have earned a degree from Benedictine University some stipulations may apply.

Second Major Program students must:

1. Submit an application and official transcript indicating completion of a bachelor's degree, from an institution which was an accredited four year college, in a major different from the new one being sought;
2. Select one of the University's major programs and complete all requirements for that major as listed in the catalog which is in effect at the time of admission to the program. (If a student enters the program the first semester after graduation from Benedictine University, then the requirements in effect will be those in the catalog of the original term of entry);
3. Enroll for at least one course in the major each semester, or have a valid Leave of Absence form on file; and
4. Complete all work on the Second Major within seven years of admission to the program.

Life experience credit, transfer and CLEP exam credit may be counted toward the program requirements, if appropriate, as determined by each department. However, at least 12 hours of 200/300- level classroom courses must be completed at Benedictine University.

Applicability of courses taken as Student-At-Large prior to admission to the Second Major Program will be determined upon initial evaluation.

Courses taken in the Second Major Program are applicable to a second bachelor's degree for graduates of other colleges. Those courses will also be counted toward the second degree's residency requirement.

Upon completion of required coursework of the program a notation on the transcript will be made that all requirements for a second major have been met. An application is required to enroll. A certificate will also be awarded.

Institutional Requirements for Pre-Baccalaureate Certificate

A certificate consists of at least 12 semester credit hours of designated coursework completed at Benedictine University. Additional requirements may exist at the discretion of the hosting department or program. Only courses in which a student has received a grade of “C” or better may be applied to a certificate. Any credit completed for a certificate may be applied to fulfill core, major, or minor requirements.

General Policies

Semester credit hours

One credit hour is counted for each clock hour of class or lecture time – or each two or three clock hours of laboratory work – per week during the semester. A three credit hour lecture course, for example, meets three hours per week. This format does not apply to adult format courses. The academic year is divided into two semesters from August through December and January through May.

Student classification

The classification of students is determined at the beginning of each semester according to the number of credit hours completed, as follows:

Freshmen: Less than 30 credit hours

Sophomores: 30 to 59 credit hours

Juniors: 60 to 89 credit hours

Seniors: 90 or more credit hours

Since students progress toward the completion of degree requirements at different rates, the classification will not necessarily coincide with a student’s class year.

Course loads

A full-time student is registered for a minimum of 12 credit hours. The normal course load is 15 credit hours per semester. No student may register for more than 18 hours of credit per semester without the permission of the faculty advisor, as follows:

Part-time academic status: 1-11.99 credit hours

Full-time academic status: 12-18 credit hours

Full-time academic status + Overload: 18.01 or greater credit hours (additional tuition fee is assessed)

IMPORTANT NOTE: Above are BU policies for academic status. The Financial Aid Office may use different status levels based on specific financial aid policies.

Advising

At Benedictine University academic advising is grounded in Benedictine values and the University mission. It is an interactive process between the advisor and student and is supported by technology. The goal is to promote each student's academic, career and personal development.

Faculty and staff are committed to creating a decision-making framework through which students can identify and realize their educational goals. Although academic advising is a collaborative function of both student and advisor, the final responsibility for satisfying University and major requirements rests with the student.

The student actively participates in the educational decision-making process.

Students will:

- Become knowledgeable of all the University's academic requirements, policies and procedures
- Develop and maintain a plan for a course of study
- Keep an accurate record of academic activities and documents
- Value the role of the advisor by preparing for and keeping advising appointments
- Initiate and maintain open and honest communication with the advisor
- Access additional University resources to facilitate the decision making process

The advisor listens to and guides the student through the educational decision making process.

Advisors will:

- Foster the student's sense of responsibility for his/her academic progress
- Help the student obtain accurate information about educational and career options, academic requirements, policies and procedures
- Help the student plan and monitor an educational program consistent with individual interests and abilities
- Assist the student in maintaining an accurate record of course registrations and completions
- Be available on a scheduled basis for academic consultation and advice
- Refer the student to appropriate University resource

Approval to withdraw from a course or to change registration in any way can be processed by Benedictine Central or through BenUConnect. Not attending class does not constitute a legitimate withdrawal. A student may withdraw from a course before completion of four-fifths of the course by filing the proper form with Benedictine Central or by using BenUConnect. For reasons of a compelling personal nature, a student may request a course withdrawal after the completion of four-fifths of the course. A written statement from the student, including supporting documentation, must be submitted to the Associate Registrar to justify this late course withdrawal.

Repetition of courses

The information contained on this page is from the 2010-2011 Undergraduate Catalog and is valid until August 1, 2011.

For courses taken at Benedictine University, undergraduate students, both degree seeking and students-at-large, may repeat a course in which they received grades of W, D, or F no more than two times. Students may not repeat any course in which they receive a grade of C or better. When a course is repeated for credit, the earlier earned grade remains on the student's permanent record and will appear on all transcripts. Only the last enrollment and earned grade will be used in computing the cumulative grade point average and awarding of credit. If a student wishes to repeat a course originally taken at Benedictine University and in which an earned grade was received, the repeat must be a course at Benedictine University. A repeat may not be by independent study or by study at another institution. The Academic Standing Committee may provide exceptions to this policy. An earned grade is a grade of A, B, C, D, and F.

Students who have graduated may not repeat a course for credit in which they earned a grade of A, B, C, or D previously. A student who has graduated may only audit a course in which they previously earned credit.

Grades and reports

The student's final grade is determined by the instructor. The system of grading is as follows (quality points are in parenthesis):

- A — Excellent (4.00)
- B — Good (3.00)
- C — Satisfactory (2.00)
- D — Passing (1.00)
- F — Failure (0.00)
- I — Incomplete*
- W — Withdrawal*
- P — Pass*
- X — Deferred*
- IP — In Progress*
- AUD — Audit*

**Note: The grades are not calculated in academic G.P.A.*

Academic grade reports for all students are available upon completion of each course through [MyBenU](#). A change of grade is permitted only for clerical errors. Grade appeals must be initiated before the end of one semester after the course in question has been completed. The final grade is recorded on the permanent record.

A course is considered to be successfully completed if a grade of "A," "B" or "C" is achieved. The grade point average used for all purposes at Benedictine University, including graduation honors, the Dean's List, and the Dean's Recognition List is based only upon courses taken at Benedictine University.

A grade of "I" may be requested by a student for a course in which he or she is doing satisfactory work, but, for illness or other circumstances beyond the student's control, as determined by the instructor, the required work cannot be completed by the end of the semester. To qualify for the grade, a student must

have satisfactory academic standing, be doing at least “C” work in the class, and submit a written request with a plan for completion approved by the instructor stating the reason for the delay in completing the work. Arrangements for this “I” grade must be made prior to the final examination. One may not receive an “Incomplete” in a semester in which he or she is already on academic probation.

An “I” is a temporary grade. Failure to complete the course work and obtain a final grade within 180 days from the end of the term in which the “I” was received will result in the “I” automatically becoming an “F” grade.

A grade of “W” is recorded to indicate that a student has withdrawn from a course. The student may continue to attend the class (without credit) to the end of the term, except for labs, with the instructor’s approval.

A grade of “IP” is recorded to indicate that the course is in progress when the term in which the course has been scheduled ends. The “IP” grade will be replaced when the course ends and the permanent grade is earned.

The **Audit (AUD) grade designation** indicates that a student has registered for a course and was eligible to attend class sessions. Auditing a course does not necessarily reflect participation, nor does it indicate anything regarding completion of assignments. Auditors are entitled to participate in class activities to the extent the instructor permits.

Audit registration requires the approval of the instructor. **A student may not change from credit to audit or audit to credit after the end of the add/drop period.** If a course has stated enrollment limits, students taking the course for credit will be enrolled before students auditing the course. Lab courses may not be taken as an audit.

When an Audit (AUD) grade designation is posted on the transcript, it cannot be changed to a letter grade. Audited courses are not available for later credit or proficiency by examination.

Add/Drop Policy

For traditional program course, students have until the end of the first week of classes to add or drop a course. After that point, a student can withdraw with a grade of “W” from a class up to the end of the twelfth week of classes for a 15-week course (or the end of the seventh week for an 8-week class).

For adult program courses, a student has until the day before the second class meeting to add or drop a course. After the period, a student can withdraw, with a grade of “W,” up to the 80% point of the course. Please refer to the course syllabus for details.

Grade appeal policy

The purpose of the Grade Appeal Policy is to establish a consistent procedure by which students may seek review of final grades assigned in courses at Benedictine University. Grades other than final course grades may not be appealed. The policy recognizes the right and responsibility of faculty members to exercise their professional judgment in evaluating academic performance and the right of students to have their academic performance judged in a fair and impartial manner.

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Grade appeal process

First, discuss the incident with the faculty member; bring forward any facts or circumstances that might be pertinent to the faculty member's evaluation and decision.

If not satisfied with the outcome, either the student or the faculty member may seek consultation with the Department Chair/Program Director, College Dean, and finally the Vice President for Academic Affairs, in that order.

Grounds for Appeal

A student may appeal a final course grade only on the grounds that:

- (1) the grade was assigned based on a miscalculation or clerical error;
- (2) the grading standards for the course were not clearly articulated by the instructor in the syllabus, or the grade was assigned in a manner inconsistent with articulated standards.

At all levels of review, the burden of demonstrating that a grade should be changed rests with the student. The deadline for submission of any grade appeals is the end of the semester following the term in which the grade was originally received.

Academic Accommodation for Religious Observance

A Student whose religious obligation conflicts with a course requirement may request an academic accommodation from the instructor. Students must make such requests in writing by the end of the first week of the class. Upon receiving such a request, the instructor will offer reasonable academic accommodations, whenever feasible, and communicate this to the student. However, the course requirements listed in the syllabus remain in effect if accommodations cannot be offered.

Academic Honesty Policy

The search for truth and the dissemination of knowledge are the central missions of a university. Benedictine University pursues these missions in an environment guided by our Roman Catholic tradition and our Benedictine Heritage.

Integrity and honesty are therefore expected of all University students. Actions such as cheating, plagiarism, collusion, fabrication, forgery, falsification, destruction, multiple submission, solicitation, and misrepresentation are violations of these expectations and constitute unacceptable behavior in the University community.

To access the complete Academic Honesty Policy, which includes student responsibility, responsibility and authority of faculty, violations, reporting and communicating, responsibilities of the provost, appeals, composition of the academic appeals board, procedures of the academic appeals board, and records, please select the following link: www.ben.edu/ahp.

Administrative Drop Policy

Drop for Non-Attendance: Undergraduate Students may be dropped from a class for non-attendance by a departmental administrative drop by the end of the first week of the class.

The primary intent of the Administrative Drop Policy is to ensure full enrollment in classes in which demand for seats exceeds supply. The purpose is to free seats held by non-attending students in such classes so that students who wish to take the class may be able to do so.

*Classes in the Moser College for Adult and Professional Studies are not impacted by the Administrative Drop Policy.

Quality point system

Final grades in each course are converted to quality points according to the following schedule: A grade of "A" in a course is converted to four quality points for each credit hour. Thus in a three credit hour course, an "A" is worth 12 quality points; a grade of "B" is worth three quality points per credit hour; a grade of "C" is worth two quality points per credit hour; a grade of "D" is worth one quality point per credit hour; other grades receive no quality points. The quality point or grade point average is computed by dividing the total number of quality points earned, at Benedictine University, by the total number of credit hours attempted, at Benedictine University.

Dean's List and Dean's Recognition List

The Dean's List is computed and published once each semester. To qualify, a student must be enrolled full-time and must have at least a 3.5 semester average with a grade of at least "C" in each course and must not have received any "I" or "X" grades.

The Dean's Recognition List is also computed and published once each semester. To qualify, a student must be enrolled for a minimum of three semester hours and must have at least a 3.5 semester average with a grade of at least "C" in each course and must not have received any "I" or "X" grades.

Note: The Dean's Recognition List is intended for students who are not enrolled full time.

Student academic standing

Satisfactory academic standing for all students is a 2.00 cumulative grade point average (G.P.A.) as determined at the end of each semester (or other designated grading period). Students who do not achieve satisfactory academic standing will be placed on academic probation or dismissed for poor scholarship.

Probation and dismissal

Students are required to maintain satisfactory academic standing during their university careers. If a student fails to achieve satisfactory academic standing at the end of a semester (a cumulative G.P.A. of 2.00), that student will either be placed on academic probation during the following semester (if the term G.P.A. was at least 1.00), or will be dismissed for poor scholarship (if the term G.P.A. was below 1.00). If a student fails to

achieve satisfactory academic standing at the end of the probationary period, the student is dismissed from enrollment because of poor scholarship.

Any student dismissed for poor scholarship may submit an appeal to the Committee on Academic Standing seeking a one semester reinstatement. Criteria that the Committee on Academic Standing will consider include:

- Current semester grade point average (G.P.A.)
- Cumulative G.P.A.
- Likelihood that the student is capable of achieving “satisfactory academic standing” before graduation
- Recommendation from the Associate Vice President for Student Life
- Student’s explanation for prior G.P.A. and plan to remedy the situation

In the event that the Committee on Academic Standing is unable to approve the appeal for extension of the probationary period, the student’s enrollment will be terminated for poor scholarship. Such a student may be readmitted at a later time for enrollment, provided evidence is presented which in the judgment of the University indicates that there is improved potential for academic success. The period of dismissal will be for a minimum of two academic semesters. Academic semesters are fall or spring semesters and do not include summer school or interim sessions.

All probation and dismissal policies apply in the same way to part-time and full-time students.

Academic Amnesty Policy

Students who have left the University with a cumulative grade point average less than 2.00 may have the option to reenter under the academic amnesty policy. The conditions for readmission under amnesty include:

1. An absence of at least five years from the last term in attendance and
2. Approval by the Admissions Committee which will require an interview and a written personal history. Intervening transfer course work must be at least at the 2.00 G.P.A. level.

The implications of readmission under academic amnesty are:

1. The new Benedictine University cumulative grade point average will be calculated based only on courses taken subsequent to re-entry. All courses taken and grades earned previously will appear as a separate entity on the transcript;
2. Academic probation will be a condition of admission;
3. “Re-entry Under Amnesty” will appear in the Remarks section of the transcript;
4. Amnesty may be used only once by a student;
5. Students must earn a minimum of 30 semester hours after re-entry to be eligible for graduation;
6. Graduation honors eligibility will be based on grades after re-entry amnesty; and
7. The Catalog of reentry will be followed for graduation requirements.

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Withdrawal from the University

A student who wishes to withdraw from the University during the semester begins by contacting the Student Success Center. The student who plans to return within two full academic years should complete the leave of absence form. (See the Student Leave of Absence section.) The student who does not intend to return to Benedictine University must complete the withdrawal form. An exit interview is required as part of the withdrawal process.

If the student has not applied for a leave of absence and later decides to return, application must be made through the admissions office. The student's record will be re-evaluated and the student is responsible for completing all new graduation requirements according to the University Catalog in effect at the time of readmission.

The amount of financial credit for withdrawal from all courses during the semester is determined by the date the completed form(s) is/are returned to Benedictine Central. (See General Refund Information.)

Students receiving financial aid of any kind must also consult Benedictine Central.

Student leave of absence

Any full- or part-time traditional student in satisfactory academic standing who must interrupt a degree program may apply to the Student Success Center for a leave of absence for two full academic years or four consecutive semesters (not including summer terms). The student's files will remain active both in the Office of the Registrar and with the academic advisor for the period of time requested. At the end of the leave of absence period, the student must notify the registrar and/or academic advisor of his or her intention to register. (Application through the admissions office is not required.) The student on leave may take advantage of early registration along with regularly enrolled students.

A student on leave does not qualify for special monetary loans or grants or other special arrangements which presuppose the status of a regular student.

Application for graduation

Students must apply to the registrar for graduation by the following dates: by November for August graduation; by February for December graduation; by September for May graduation. See the current academic calendar for specific deadline dates.

Graduation honors

Graduation honors are determined on the basis of course work completed only at Benedictine University. Eligibility for graduation honors is contingent upon completion of the following specified undergraduate credit hours (excluding external credit hours), and achieved cumulative grade point averages. Note: Associate degree students are not eligible for Latin honors.

With completion of 30-54.99 undergraduate credit hours, and achievement of the following cumulative grade point average, this graduation honor is awarded:

- 3.500 to 4.000 With Honors

With completion of at least 55 undergraduate credit hours, and achievement of the following cumulative grade point averages, these graduation honors are awarded:

- 3.900 to 4.000 Summa Cum Laude
- 3.750 to 3.899 Magna Cum Laude
- 3.500 to 3.749 Cum Laude

Student records and disclosures

Benedictine University maintains an educational record for each student who is or has been enrolled at the University. In accordance with the Family Educational Rights and Privacy Act of 1974, as amended (hereafter “Act”), the following student rights are covered by the Act and accorded to all eligible Benedictine University students:

1. The right to inspect and review information contained in the student’s educational records.
2. The right to request amendment of the contents of the student’s educational records if believed to be inaccurate, misleading or otherwise in violation of the student’s privacy or other rights.
3. The right to prevent disclosure without consent, with certain exceptions, of personally identifiable information from the student’s educational records.
4. The right to secure a copy of the University’s policy.
5. The right to file complaints with the U.S. Department of Education concerning alleged failures by Benedictine University to comply with the provisions of the Act.

Each of these rights, with any limitations or exceptions, is explained in the University’s policy statement, a copy of which may be obtained in Benedictine Central.

The University may provide directory information in accordance with the provisions of the Act without the written consent of an eligible student unless it is requested in writing that such information not be disclosed (see below). The items listed below are designated as directory information and may be released for any student for any purpose at the discretion of Benedictine University unless a written request for non-disclosure is on file:

Category I: Name, address, telephone number, dates of attendance and class.

Category II: Previous institution(s) attended, major field of study, awards, honors and degree(s) conferred.

Category III: Past and present participation in officially recognized sports and activities, physical factors of athletes (height and weight) and date and place of birth.

Current eligible students may prohibit general disclosure of this directory information by notifying the registrar in writing, within 10 calendar days after the first scheduled class day of each fall term. The University will honor the request for one academic year only; therefore, the student must file the request on

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an annual basis. The student should carefully consider the consequences of any decision to withhold any category of directory information. Regardless of the effect upon a student, Benedictine University assumes no liability that may arise out of its compliance with a request that such information be withheld. It will be assumed that the failure on the part of a student to request the withholding of directory information indicates the student's consent to disclosure.

University Promotional Photos

Benedictine University and its representatives on occasion, take photographs for the University's use in print and electronic publications. This serves as public notice of the University's intent to do so and as a release to the University giving permission to use such images as it deems fit.

If you should object to the use of your photograph, you have the right to withhold its release by contacting the Department of Marketing and Communications at (630) 829-6090.

Educational Records: Disciplinary and Counseling

Information from student disciplinary or counseling files is considered a confidential, educational record and is not available to unauthorized persons on campus. To comply with federal law, as well as for reasons of confidentiality, disciplinary records/files may not be released to anyone off-campus unless there is legal compulsion or in cases where the safety of persons or property is involved. A student's disciplinary record/file may only be reviewed by the student within the confines of the Benedictine University campus and the guidelines designated by the appropriate university administrator. Only the student and authorized persons may have access to such records.

The University is not obligated under the Family Educational Rights and Privacy Act (Buckley Amendment) to reproduce a student's disciplinary records/files. The University is obligated to take all reasonable steps to insure that the confidentiality of student educational records is maintained.

Any questions concerning the student's rights and responsibilities under the Family Educational Rights and Privacy Act should be referred to the Associate Vice President of Student Life or the Registrar.

Student Right-To-Know Act

In accordance with the Student Right-To-Know Act, the graduation/completion rate of new entry full-time freshmen into Benedictine University is available through the Office of Institutional Research.

General Admission

Tuition/Housing Deposits

To complete the admissions process, incoming freshmen are required to submit a \$200 tuition deposit. Incoming students who will be residents are required to submit a \$125 room and board deposit. Residential housing is available on a first come first serve basis. Students are required to submit their deposit before

registration. All deposits should be submitted to: Enrollment Center, Benedictine University, 5700 College Road, Lisle, IL 60532-0900.

Readmission

Former Benedictine University students, not currently enrolled as degree-seeking students, may apply for readmission. An application must be submitted and will be reviewed for an admissions decision. Applicants who experienced academic problems should be prepared to demonstrate to the committee sufficient reasons for reconsideration. If a student's enrollment has been terminated for poor scholarship, such a student may be readmitted after a minimum of two academic semesters, provided evidence is presented which, in the judgment of the University, indicates that there is improved potential for academic success. All college courses for which the student registered in his/her absence from Benedictine University must be presented in the form of official transcripts. For readmission under amnesty, see Academic Policies section.

General Admissions Policy

Benedictine University reserves the right to deny admission, continued enrollment or re-enrollment to any applicant or student whose personal history and background indicate that his or her presence at the University would endanger the health, safety, welfare or property of the members of the academic community or interfere with the orderly and effective performance of the University's functions. Some programs have special admissions standards. If you are considering a particular program, you need to determine the admissions standards for that program by reviewing the descriptions contained later in the catalog or by contacting the faculty responsible for the program. Failure to provide Benedictine University with a correct and complete academic history will result in revoking of acceptance and/or administrative withdrawal.

Language Proficiency

All international applicants whose native language is not English must demonstrate English-language proficiency as a term of admission to the University. Proficiency may be evidenced by:

1. Official test scores from either Test of English as a Second Language (TOEFL) or International English Language Testing System (IELTS);
2. Supplying an original U.S. high school transcript from the school from which the applicant graduated and completed two years of study without English as a Second Language instruction;
3. Completing two years of full-time study at a university where the language of instruction is English;
or
4. Presenting formal assessment through Benedictine University's International Programs Office.

FRESHMAN ADMISSION

Freshman Candidates

Freshman candidates are defined as individuals who have earned a high school diploma, completed a home schooling program, or earned a General Educational Development certificate within six months of enrolling at Benedictine University.

Freshman Admission

Admission is based on a review of each student's total academic and extracurricular record. It is necessary for some applicants to complete additional materials or come to the University for further assessment. The Enrollment Center's philosophy is to select students who will perform successfully in our academic programs and become active members of the University community. Requests for admission are considered without regard to the applicant's race, religion, gender, age, national origin or disability.

How To Apply (Freshman Candidates)

Send all materials to: Enrollment Center, Benedictine University, 5700 College Road, Lisle, IL 60532-0900. A personal interview with an Admissions Counselor is generally advisable and occasionally required. Official transcripts bearing the signature of the Registrar and the institutional seal must be issued by mail from the institution to Benedictine's Enrollment Center. Consideration for admission will take place when all the necessary information is received. Applications should be submitted as early as possible during the senior year of high school. Admission can be granted on the basis of six semesters of high school credit. Admission can be revoked if satisfactory completion of senior year coursework is not obtained and restrictions can also be added should academic portfolio change post admission and prior to course enrollment.

1. Submit a completed application form and non-refundable, one-time application fee of \$40.
 - a. Apply or download an application online.
 - b. Request a hard copy application by contacting us at: (630) 829-6300, toll free outside Illinois (888) 829-6363, or e-mail at admissions@ben.edu.
2. Submit official high school transcript. Home school transcripts should include letter grades, length of courses and texts used.
3. Submit official copy of ACT, SAT, TOEFL or IELTS test scores.
4. Submit High School Guidance Recommendation form (available online) to be completed by high school guidance counselor.
5. Written personal statement (may be required of some candidates).

High School Academic Preparation

In conjunction with The Illinois State Board of Education, Benedictine University requires its students to complete the following high school curriculum. If a student enrolls at Benedictine University not having satisfied the requirements, the student will be required to do so while enrolled at the University. Courses with a number less than 100 do not count toward the 120 credit hours required for graduation. University-level courses (100 level or above) completed to fulfill a condition of admission will count toward the 120-hour graduation requirement, but do not satisfy the University Core requirements. NOTE: a unit, as identified below, is equivalent to one full year of study in a given subject area.

1. Four units of English (emphasizing written and oral communication and literature);
2. Three units of social studies (emphasizing history and government);
3. Three units of mathematics (introductory through advanced algebra, geometry, trigonometry or fundamentals of computer programming);
4. Three units of science (laboratory science); and
5. Two units of modern language.

TRANSFER ADMISSION

Transfer Candidates

Transfer candidates are defined as individuals with college credit or students whose high school graduation or G.E.D. completion date is six months prior to the academic year of enrolling at Benedictine University; intending to enroll in the traditional daytime program. Transfer Candidates with under 20 transferrable hours will be evaluated under the freshman checklist.

Transfer Admission

Admission is based on a review of each student's total academic and extracurricular record. It is necessary for some applicants to complete additional materials or come to the University for further assessment. The Enrollment Center's philosophy is to select students who will perform successfully in our academic programs and become active members of the University community. Requests for admission are considered without regard to the applicant's race, religion, gender, age, national origin or disability.

How To Apply (Transfer Candidates)

Send all materials to: Enrollment Center, Benedictine University, 5700 College Road, Lisle, IL 60532-0900. A personal interview with an admissions counselor is generally advisable and occasionally required. Official transcripts bearing the signature of the registrar and the institutional seal must be issued by mail from the institution to Benedictine's Enrollment Center. Consideration for admission will take place when all the necessary information is received. If an applicant has 20 or more transferable semester hours:

1. Submit a completed application form and non-refundable, one-time application fee of \$40.
 - a. Apply or download an application online.
 - b. Request a hard copy application by contacting us at: (630) 829-6300, toll free outside Illinois (888) 829-6363, or e-mail at admissions@ben.edu.
2. Submit official transcripts directly from each college or university attended.
3. Written personal statement (may be required of some candidates).

If the applicant has less than 20 transferable semester hours:

1. Steps one, two and three above;
2. Submit official high school transcript;
3. Submit official copy of ACT, SAT, TOEFL or IELTS test scores.

International Admission

All prospective undergraduate students with citizenship other than that of the United States, and those who are not in "permanent residency" status, are considered international applicants. International students studying full time at Benedictine University require an F-1 visa. Students are encouraged to complete the application process prior to submission deadlines; applications are evaluated after all required documentation has been received.

Applications from international students should be received by Benedictine University no later than June 1 for the Fall term or by October 1 for the Spring term of the year in which the student plans to enroll. Students are encouraged to complete the application process prior to submission deadlines; applications are evaluated only after all required documentation has been received.

Recognizing the academic and cultural benefits of having international students in classes and on campus, Benedictine University is pleased to accept applications from this student group. International student applicants are evaluated by the same admissions standards as those established for American students. Requests for admission are considered without regard to the applicant's race, religion, gender, age, national origin or disability.

Application Materials

Undergraduate freshman and transfer admissions applications, document instructions, and general university information can be obtained from the Enrollment Center by calling (630) 829-6300 or e-mailing admissions@ben.edu.

The following materials are required to complete the application process:

1. Benedictine University's International Application for Admission
2. A non-refundable application fee payable by personal check or money order of \$40.
3. Official transcripts from all universities previously attended must be submitted with English translation. High school transcripts must be submitted with English translation if applicable.
4. Official ECE evaluation of any foreign country transcripts (may be required of some applicants)
5. Official results of any Standardized Test - ACT, SAT, TOEFL or IELTS.
6. Two letters of reference written by school officials or professors.
7. Evidence of English proficiency
8. Confidential Financial Statement of Support with official bank statement, letter of sponsorship or other supporting documents
9. International Student Health Form
10. Proof of insurance
11. Housing Preference Form (if applicable)

Some student applicants must have all non-United States academic credentials evaluated by Educational Credentials Evaluators, Inc. (ECE): It identifies U.S. education that is equivalent to programs studied in other countries. ECE applications are included in the admissions packet, are available in the Enrollment Center and from ECE's website at <http://www.ece.org/>.

Adult Admission

The Adult Accelerated Undergraduate Programs were created to best serve the needs of adult and returning students who are 22 years of age and older. Admissions requirements vary by program type.

Admission is based on a review of each student's total academic and extracurricular record. It is necessary for some applicants to complete additional materials or come to the University for further assessment. The Enrollment Center's philosophy is to select students who will perform successfully in our academic programs and become active members of the University community. Requests for admission are considered without regard to the applicant's race, religion, gender, age, national origin or disability.

The Academic Programs - Adult Accelerated Non-Learning-Team Programs

Our adult programs were developed to provide an environment that supports adults in taking responsibility for their own learning and which values and uses the experience which an adult brings to the classroom. Rooted in the idea of responsible learning, the adult programs offer flexible scheduling, accelerated program options and credit for life learning. This model is built on the assumption that adults can engage in guided independent study outside the classroom. The classroom experience focuses on the integration of theory and practice and emphasizes application, analysis and synthesis of information through collaborative and cooperative learning.

Adult candidates are defined as individuals with college credit whose high school graduation or G.E.D. completion date is prior to the academic year of enrolling at Benedictine University; intending to enroll in adult accelerated undergraduate non cohort program.

Application Materials

Send all materials to: Enrollment Center, Benedictine University, Lisle, IL 60532. A personal interview with an admissions counselor is generally advisable and occasionally required. Official transcripts bearing the signature of the registrar and the institutional seal must be issued by mail from the institution to Benedictine's Enrollment Center. Consideration for admission will take place when all the necessary information is received.

If the applicant has 20 or more transferable semester hours:

1. Submit a completed application form and non-refundable, one-time application fee;
 - a. Apply or download an application online.
 - b. Request a hard copy application by contacting us at: (630) 829-6300, toll free outside Illinois (888) 829-6363, or admissions@ben.edu.
2. Submit official transcripts directly from each college or university attended
3. Personal statement may be required of some applicants;
4. Letter(s) of reference from faculty and/or professional associates to evaluate the potential success of the candidate for the program may be required of some applicants; and
5. Valid nursing license, BSN Completion applicants only.

If the applicant has fewer than 20 transferable semester hours:

1. Steps one, two and three above;
2. Submit official high school transcript; and
3. Submit official copy of ACT, SAT, TOEFL or IELTS test scores (may be required of some candidates).

The Academic Programs - Adult Accelerated Undergraduate Learning Team Programs

Our adult programs were developed to provide an environment that supports adults in taking responsibility for their own learning and which values and uses the experience which an adult brings to the classroom. Rooted in the idea of responsible learning, the adult programs offer flexible scheduling, accelerated program options and credit for life learning. This model is built on the assumption that adults can engage in guided

independent study outside the classroom. The classroom experience focuses on the integration of theory and practice and emphasizes application, analysis and synthesis of information through collaborative and cooperative learning.

In a cohort format, a group of students take each prescribed class in the degree program together, from start to finish. Each four-hour class meets one night a week - and the same night of the week - for the duration of the program. Students within each cohort also form study groups to complete class assignments and enrich their learning experiences. Study groups must meet four hours per week.

Degree programs offered in: Associate of Arts in Business Administration; Bachelor of Arts in Management.

Adult Advising

At Benedictine University academic advising is grounded in Benedictine values and the University mission. It is an interactive process between the advisor and student and is supported by technology. The goal is to promote each student's academic, career and personal development. Our programs are designed for working adults. Students in these programs are highly self-directed with multiple demands on their time. Consequently, advising is designed to meet these needs.

Faculty and staff are committed to creating a decision-making framework through which students can identify and realize their educational goals. Although academic advising is a collaborative function of both student and advisor, the final responsibility for satisfying University and major requirements rests with the student

The student actively participates in the educational decision-making process.

Students will:

- Become knowledgeable of all the University's academic requirements, policies and procedures
- Develop and maintain a plan for a course of study
- Keep an accurate record of academic activities and documents
- Value the role of the advisor by preparing for and keeping advising appointments
- Initiate and maintain open and honest communication with the advisor
- Access additional University resources to facilitate the decision making process

The advisor listens to and guides the student through the educational decision making process.

Advisors will:

- Foster the student's sense of responsibility for his/her academic progress
- Help the student obtain accurate information about educational and career options, academic requirements, policies and procedures
- Help the student plan and monitor an educational program consistent with individual interests and abilities
- Assist the student in maintaining an accurate record of course registrations and completions
- Be available on a scheduled basis for academic consultation and advice

The information contained on this page is from the 2010-2011 Undergraduate Catalog and is valid until August 1, 2011.

- Refer the student to appropriate University resource

Approval to withdraw from a course or to change registration in any way can be processed by Benedictine Central or through BenUConnect. Not attending class does not constitute a legitimate withdrawal. A student may withdraw from a course before completion of four-fifths of the course by filing the proper form with Benedictine Central or by using BenUConnect. For reasons of a compelling personal nature, a student may request a course withdrawal after the completion of four-fifths of the course. A written statement from the student, including supporting documentation, must be submitted to the Associate Registrar to justify this late course withdrawal.

Financial Policy

Benedictine University is a non-profit corporation. Its endowment primarily consists of the contributed services of the Benedictine monks who teach at the University. The annual income from a student's fees covers only a portion of the cost of his or her education. Therefore, to meet its educational objective, and in fairness to all students, the University must insist on the following regulation: Payments or financial arrangements must be made prior to the first day of the term.

Tuition

Tuition and fees are incurred at the time of registration. Tuition is due in full within seven calendar days after the first class meeting. Benedictine University has partnered with Sallie Mae to provide interest-free monthly payment plans through the TuitionPay Plan for those students seeking arrangements to balance their tuition payments over an extended period of time.

A "Statement of Accounts" is generated and mailed to your billing or home address once each month. This statement reflects only that activity which has taken place on your student account in the last billing cycle (similar to your checking/savings/credit card statements of account). Students are encouraged to view their account information online using [MyBenU](#).

Payment Options

1. Payment in full - Benedictine University accepts cash, personal checks, money orders, Visa, MasterCard and Discover. PAYMENT DEADLINE: within seven calendar days after the first class meeting. Students may view and pay their accounts online at www.ben.edu/MyBenU from any on-campus computer or access MyBenU via [BenUConnect](#) at from off-campus. Instructions on how to make an online payment are found at <http://www.ben.edu/MyBenU>
2. Benedictine University has partnered with Sallie Mae to provide interest-free monthly payment options through the TuitionPay Plan. Students may create budgets to manage their tuition costs annually or per term. Students may enroll online at <http://tuitionpay.salliemae.com/ben> or call (800) 635-0120 to speak with a TuitionPay consultant. Be sure to have your estimated expenses ready when you call or visit the Web site. If your budget changes at any time (increase/decrease in financial aid, increase/decrease of tuition charges or fees), please contact TuitionPay to adjust your

payment plan accordingly. Please note that if the budget amount does not equal your balance due with BU, a financial hold and late payment fee may apply.

- o Annual budgets - For a fee of \$50, students can make monthly payments toward their full-year's tuition balance (June - May).
- o Single Term budgets - For a fee of \$30, students can make monthly payments toward their tuition balance for a single term.

TuitionPay Website: <http://tuitionpay.salliemae.com/ben>

Click on Enroll Now for list of available plans.

3. Employer tuition reimbursement - For a fee of \$30, students can arrange with Sallie Mae's TuitionPay, a single tuition payment plan due at the end of the term (plus a grace period) with proper documentation from their employer. Documentation of your employer's reimbursement policy must be submitted to the Student Accounts Office of Benedictine University prior to enrolling in this plan. An updated copy of the policy must be submitted every Fall term thereafter. Students may fax their employer's policy to Student Accounts at (630) 829-6501. After submitting documentation showing eligibility, student may enroll in the plan that best corresponds with their class and program. If the student's enrollment changes after the initial set up of this plan, the student will be responsible for adjusting the payment plan either online or with a TuitionPay consultant at (800) 635-0120. If the student makes a payment directly to Benedictine rather than to TuitionPay, it is the student's responsibility to contact the Student Accounts Office so that we may notify TuitionPay. Due to new legislation, the Student Accounts Office will not have access to enroll students or make adjustments to these accounts. Please note that tuition is due in full according to the deferred due date specified by TuitionPay regardless of when individual employers reimburse their employees.

Failure to meet Options 1, 2 or 3 by payment deadline will result in a late payment fee of \$100 and a financial hold placed on the student's account

Student refunds

Students may drop from a course up to 7 calendar days after the first class meeting for a full refund. Students may drop from a course 8 - 14 calendar days after the first class meeting for a 75% refund. Students dropping from a course 15 - 21 calendar days after the first class meeting will receive a 50% refund.

Students dropping from a course 22 calendar days or more after the first class meeting will receive no refund.

Courses that have a condensed meeting schedule will have no refund available after the first class meeting.

All drops must be done using MyBenU or in person at Enrollment Services (Ben Central).

1. Notifying the instructor that you want to drop a course does not officially withdraw a student from a course.
2. Non-attendance in a course will not constitute a drop.
3. Students who do not officially drop a course in writing will be financially responsible for the entire cost of the course.

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Students enrolled with full time tuition (12-18 hours) who make schedule changes during the add/drop period will receive a tuition adjustment only if their hours change to a different tuition category (part time tuition is assessed for schedules with less than 12 hours; overload fees are assessed for schedules with more than 18 hours.)

Recipients of Federal financial aid who officially withdraw from the university will be subject to Federal Title IV refund guidelines.

Students who are expelled or suspended from the University during the course of an academic term are responsible for all financial obligations.

Tuition credit for complete withdrawal will be made only after the proper withdrawal notification has been submitted to the Student Success Center located in Krasa, room 012.

Summer Term

Students may drop from a course up to 3 calendar days after the first class meeting for a full refund.

Students may drop from a course 4 - 6 calendar days after the first class meeting for a 50% refund.

Students dropping from a course 7 calendar days or more after the first class meeting will receive no refund.

Courses that have a condensed meeting schedule will have no refund available after the first class meeting.

Financial Appeal

This process is designed to address extenuating circumstances that occurred during a given semester that prevented a student from receiving a partial or full refund for a course(s). Students may write a letter of appeal describing the reason(s) and justification for seeking an exception to the refund policy. The burden of proof shall be upon the student to prove his or her case by a preponderance of evidence in the written appeal. Be specific with extenuating circumstances, dates, the name of persons contacted and any steps you took to address the problem at the time it occurred. Attach appropriate documentation from your instructor, medical provider or other professionals as needed.

Student submits the appeal to the Financial Appeal Committee by mail or fax:

Mail the appeal to:

Benedictine University

Attn: Financial Appeals Committee

5700 College Road, Lisle, IL 60532

Or fax it to:

Financial Appeals Committee

(630) 829-6501

For more information on Student Accounts, please visit <http://www.ben.edu>.

Fees

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Late Registration Fee: \$100 per course late fee registration for enrolling after the drop/add period. Students involved in non-term based cohort programs may follow a modified refund policy. Your cohort director can provide you with a copy of such policy.

All tuition remission students and consortium students must pay applicable fees such as graduation, health service, technology, lab and mandatory fees. (Fees are subject to change without further notice.) Refund checks are issued to students when excess funds exist on their accounts after crediting Title IV funds.

All drops or withdrawals are dated as of the date in which they were submitted to Enrollment Services (Ben Central). No tuition charge will be assessed during the first seven calendar days after the first class meeting. Whether or not you attend classes, the period of attendance will be computed as the number of days from the scheduled date of opening class in each term to the date shown on the drop or withdrawal slip. See the "Financial Aid" section for information regarding the use of financial aid in the case of a withdrawal.

The boarding fee is pro-rated from the date of confirmation of registration to the day of withdrawal. Students who withdraw from campus housing within 30 days of the beginning of the academic term will be charged for room fees on a pro-rated basis. No refunds are given after 30 days of the term have expired.

Students who are expelled or suspended from the University during the course of an academic term will not be allowed any financial credit on tuition charges. Similarly, resident students who are expelled or suspended from campus housing and from the accompanying food service plan, either permanently or for a temporary period during the course of an academic term, will not be allowed any financial credit on room and board charges.

Courses which require the leasing of off-campus facilities from off-campus agencies require pre-payment in full. Therefore, NO refunds can be made of the tuition or lab fees for such courses.

Courses requiring professional liability insurance require the purchase of such insurance from off-campus agencies demanding pre-payment in full; therefore, NO refund can be made for the professional liability insurance charge.

For such programs as the Federal Student Loan and the State Monetary Awards, cash refund of credit balances will not be made until funds are received from the agency in question and the required procedures are completed.

Other policies

1. Enrollment shall be considered as signifying knowledge of all conditions, rules and regulations and shall be deemed as acceptance thereof.
2. The University shall not be responsible for any damage or loss of personal property from any cause whatsoever.
3. Bills for University services or monetary sanctions such as library fines, residence hall fines, parking fines or extra student health charges must be paid in full 10 days prior to final examinations for the semester.
4. Students are not entitled to receive recommendations, degrees, honors, grades or transcripts of credit until all bills are paid and National Direct/Defense Student loans and Perkins loans are in current status.

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5. In the event of default in the payment of any amount due, and if the account is placed in the hands of an agency or attorney for collection or legal action, the student agrees to pay an additional charge equal to the cost of collection including agency and attorney fees and court costs.

Financial Aid

Benedictine University's Office of Financial Aid administers a variety of federal, state and institutional programs of student financial assistance. Each of these programs carries specific student eligibility requirements. In general, students must be formally admitted as degree-seeking and enrolled for a minimum number of credit hours. All financial aid recipients must maintain satisfactory academic progress in accordance with the published, "Satisfactory Academic Progress Policy for Financial Aid Recipients."

The fundamental purpose of the financial aid program at Benedictine University is to make it possible for every qualified student to obtain a college education regardless of financial means. The process of financing an education is a partnership. Although the student and his/her family has primary responsibility for meeting college costs, Benedictine University, as well as the federal and state governments have a variety of financial aid programs available to students who need financial assistance.

Benedictine University will not unlawfully deny educational services to any otherwise qualified student on the basis of race, color, gender, age, national origin, disability or veteran status.

Application procedures

All students applying for financial aid are asked to complete the Free Application for Federal Student Aid (FAFSA)

Students must reapply for financial aid each award year. The FAFSA should be completed as soon as possible after January 1.

Types of aid

After completing the financial aid application process, the student will receive a financial aid award letter. The award letter will include the program(s) that the student is eligible to receive and the award amount(s).

- **Grants/Scholarships** - Grants and scholarships are considered to be gift assistance. Gift assistance does not have to be repaid.
- **Loans** - Loans are considered to be a form of self-help assistance. Loan programs provide funds for educational purposes and are paid back with interest.
- **Employment** - Part-time jobs on campus are available to students through the University and Federal Work-Study program. Students working on campus receive a bi-weekly paycheck.

State and federal grants

Illinois State Monetary Award Program

Source: Illinois Student Assistance Commission

Eligibility: U.S. Citizens or eligible noncitizens, Residents of Illinois, Demonstration of need (FAFSA)

Federal Pell Grant

Source: Federal Government

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Federal Supplemental Education Opportunity Grant (SEOG)

Source: Federal Government

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Federal Academic Competitiveness Grant (ACG)

Source: Federal Government

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Federal National Science and Mathematics Access to Retain Talent Grant (SMART)

Source: Federal Government

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Information on federal and state programs may be subject to change at any time due to changes in legislation.

Loans**Federal Perkins Loan**

Source: Federal Government through Benedictine University

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Interest rate: 5%

Federal Direct Stafford Subsidized and/or Unsubsidized Loans

Source: Federal Direct Loan Program

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

Registered for at least six semester hours

Fixed interest rate as set by Federal Government 8.25% cap.

Federal Direct Parent Loan Program (PLUS)

Source: Federal Direct Loan Program

Amount: Cost of education less other financial aid

Eligibility: Dependent student registered at least half-time.

Employment**Federal Work Study (FWS)**

Source: Federal Government through Benedictine University

Amount: Hourly wages up to 20 hours per week

Eligibility: U.S. Citizens or eligible noncitizens, Demonstration of need (FAFSA)

University Employment

Amount: Hourly wages up to 20 hours per week

Eligibility: Registered student

Satisfactory Academic Progress**Overview**

Federal regulations require that Benedictine University establish standards of satisfactory academic progress

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for students receiving federal financial aid funds. Minimum standards of academic progress are established to encourage students to successfully complete coursework for which financial aid is received and to make progress toward a degree. The Illinois Student Assistance Commission has also instituted these same standards for recipients of the Illinois Monetary Award Program.

Financial aid programs included under this policy

All federal, state and Benedictine University financial aid programs are subject to this policy.

Students subject to this policy

All students currently receiving federal, state and/or Benedictine University financial aid funds are subject to this policy.

Satisfactory Academic Progress Policy for Financial Aid Recipients

Satisfactory academic progress includes three criteria:

1. Academic standing based on the student's cumulative grade point average;
2. The student's progress towards successful degree completion; and
3. Degree completion within a maximum time frame.

In order to maintain satisfactory academic progress, students must:

- Remain in good academic standing or on academic probation as defined in the University catalog;
- Maintain a completion rate of coursework equal to at least 67 percent of the total number of credit hours attempted; and
- Complete their degree requirements within 150 percent of the required hours to complete their degree (180 credit hours).

Satisfactory academic progress review process

Satisfactory academic progress is reviewed at specified times during the award year. Academic standing (cumulative grade point average) is reviewed at the end of each term. Successful progression towards degree completion and maximum timeframe criteria are reviewed at the end of each academic year.

Probation

If a student fails to meet the requirements of satisfactory academic progress, the student will be placed on financial aid probation for one academic year.

Cancellation

If a student on financial aid probation fails to meet the minimum requirements of satisfactory academic progress, the student will be ineligible for continued assistance.

Reinstatement

A student may regain eligibility for financial aid once the student has met the minimum requirements of satisfactory academic progress.

If a student fails to make satisfactory academic progress at the end of an academic year and the student

enrolls in summer school, the summer school credit hours completed will be considered in the student's eligibility for continued financial aid.

It is the student's responsibility to contact the Office of Financial Aid to request a review of his/her satisfactory academic progress for reinstatement of assistance.

Appeal procedure

Cancellation of financial aid due to student's failure to meet satisfactory academic progress may be appealed if extenuating circumstances (illness, family problems, death of a family member, etc.) led to academic difficulties. The student's appeal must be in writing and submitted to the Office of Financial Aid.

Definitions for Financial Aid Purposes

Completion of Courses

Hours completed are based on grades of A, B, C, D and P. Hours with an F (failure), W (withdrawal), I (incomplete), X (deferred), IP (in progress) are counted in the number of hours attempted, but not in the number of hours completed. Note: It is the student's responsibility to notify the Office of Financial Aid when an incomplete grade has been satisfactorily completed. Class repeats, transfer hours and developmental course hours are counted in the total number of hours attempted/completed.

Financial Aid Leave of Absence Policy - for Non-Traditional Students

A leave of absence is a process designed to allow students to interrupt their academic program for a limited period of time without requiring them to reapply for admission to the University. During the period of the leave, the student is considered to be on active status with the University awaiting their return to study. A leave of absence is intended for future courses, but may be requested while a class is in session. However, a leave of absence is not the same as a request to withdraw from a single class. Students should not use the leave of absence policy to request a withdrawal from the class in which they are currently enrolled if the intent is to remain registered in the following course of the program. The University's course withdrawal policy, which allows a student to withdraw from a course prior to two-thirds completion of the course, should be pursued in that instance.

Required Documentation

Students requesting a leave of absence must complete and sign an official Leave of Absence (LOA) form and submit it to the Office of Financial Aid to be processed no later than the student's last day of attendance in the course immediately preceding the leave. Students may request a LOA form by contacting their academic advisor. Upon completion, forms may be sent to the Office of Financial Aid by mail, fax or delivered in person. In addition to the LOA form, the student must submit a Program Schedule Change (Add/Drop) form to their academic advisor. When completing the add/drop form, students should identify the future class(es) from which they request to be withdrawn. As a general matter of policy, students may not use the leave of absence policy to request a withdrawal from classes that are in process or have already ended.

Once the Office of Financial Aid has received the Leave of Absence form, the request will be processed and notification will be sent to, the student, Benedictine Central, Moser Center Accounting Department and the student's academic advisor. Benedictine Central will withdraw the student from any future courses identified on the add/drop form.

If unforeseen, emergency circumstances prevent a student from providing a request for a leave of absence on or before the last date of class attendance as outlined above, the Office of Financial Aid, at its discretion, may approve the LOA retroactively. If not approved, the student may submit a written, signed and dated request to his/her academic advisor with appropriate documentation that substantiates the unforeseen circumstance that prevented the student from providing a leave of absence request on or before the last day of attendance. Unforeseen circumstances may include medical and family emergencies, unexpected business travel, and natural disasters. The academic advisor will submit the student's request to the Appeals Committee for approval. If approved, the student will be granted a leave of absence retroactive to the student's last date of attendance, the student will be notified by Financial Aid and the student's academic record will be adjusted accordingly. Further, if the Appeals Committee approves the student's request, no additional fees will be imposed when the student retakes the course.

Length of Approved Leave

The Office of Financial Aid may grant a qualifying student a leave of absence of up to 180 days in any 12-month period during which the student is considered on active status and no Title IV Return of Funds calculation is required. Time in excess of 180 days will not be approved.

As a matter of policy, the leave of absence period will be calculated from the student's last date of attendance. The count will be based on the number of days between the last date of attendance (LDA) and the re-entry date. The initial LDA is used when determining the start date for the 12-month period referred to above.

Request for Multiple Leaves of Absence

The Office of Financial Aid may grant multiple leaves at different times as long as all of the leaves added together do not exceed 180 days in a 12-month period. If students request a leave of absence that would exceed this time period, they will be contacted by the Office of Financial Aid and advised that either the request is denied or the student will need to officially withdraw from the program. Students who withdraw from the program may reapply for admission to the University at a later date.

Completion of Coursework Upon Return

Title IV regulations indicate that upon the student's return from a leave of absence, the student can begin a new course. Therefore, Benedictine University extends to all students the ability to begin a new course within their academic plan.

LOA Returns Prior to the Scheduled End Date

Students, upon notification to their academic advisor, may return early from an approved leave of absence prior to the LOA end date as long as they are able to begin a new course within their program. The LOA will be shortened according to the student's return date and the 180-day limitation will be credited accordingly.

Failure to Return

If a student does not return from an approved leave of absence on the expected return date, the student will be considered as withdrawn from the University and a Return of Title IV Funds calculation will be processed.

Return of Title IV Funds

Title IV funds are awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws prior to completing 60% of the payment period, the student may no longer be eligible for the full amount of Title IV funds that the student was originally scheduled to receive.

If a recipient of Title IV grant or loan funds withdraws from the University after beginning attendance, the amount of Title IV grant or loan assistance earned by the student must be determined. If the amount disbursed to the student is greater than the amount the student earned, unearned funds must be returned. If the amount disbursed to the student is less than the amount the student earned, and for which the student is otherwise eligible, he or she is eligible to receive a post-withdrawal disbursement of the earned aid that was not received.

- The amount of financial aid earned by the student is determined by calculating the number of days attended divided by the number of days in the payment period.
- Institutional breaks of five or more consecutive days, excluding LOA's, are excluded from the calculation for purposes of determining the amount of Title IV Aid earned by the student.
- Unearned aid percentage is calculated by subtracting the earned aid percentage from 100%.
- Institutional charges include tuition and school contracted room and board charges.

The procedures followed when a Title IV recipient withdraws from school or requires an LOA that exceeds Federal requirements are:

- Return of Title IV funds is calculated
- Loan Servicer is notified of student's status change
- Post-Withdrawal Disbursements are identified (if applicable)
- Excess funds earned are offered to student (if applicable)
- Refunds and balance due are identified (funds must be returned no later than 30 days from the date Benedictine University determined the student withdrew).
- Exit Interview is conducted (by mail if necessary)

Refunds are applied according to the order of Return of Title IV Funds:

1. Federal Direct Unsubsidized Stafford Loan
2. Federal Direct Subsidized Stafford Loan
3. Federal Perkins Loans
4. Federal Direct PLUS
5. Federal Pell Grant
6. Federal ACG
7. Federal SMART
8. Federal SEOG

Accounting

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Faculty:

Jane Crabtree, Ph. D.

Charles L. Gahala, M.B.A., Ed.D., C.C.E.

Donald Henschel, M.B.A., C.P.A.

Nona Jones, Ph. D.

Jeffrey Madura, M.B.A., C.P.A.

Vicki Jobst, M.B.A., C.P.A.

David Dibblee, Professor Emeritus

Objectives:

The Accounting program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to the various aspects of the functional areas of business.

The program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. In the principles pertinent to all of the functional areas of business, accounting, finance, management, and marketing, in an integrated manner and with adequate focus on their international aspects; and

In financial and managerial accounting principles and applications, such that the formal requirements to sit for the CPA exam can be fulfilled.

The accounting major is designed so that the entire degree is available through day classes. The accounting major is also offered in time periods and formats that are designed for the needs of adult learners, offered through evening classes.

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Requirements - Major:

Accounting majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics, MATH-S105(3) or S110(3) and C115(3). All business majors must complete CMSC-180 and either CMSC-181 or 183, depending upon the student's background. CMSC-181 should be taken by students who believe they already have a background in the Office Suite. CMSC-183 is recommended for those students who need to develop skills using the Office Suite. ACCT 310 may be substituted for CIS/CMSC 180, 181/183, with advisor approval.

Majors must complete each of the business core courses with a "C" or better: ACCT-111(3), 112(3); ECON-C101(3), C102(3); FINA-300(3), MKTG-300(3), MGT-150(3), 251(3) and C300(3).

Majors will complete the following 200 and 300-level courses, with a "C" or better: ACCT-211(3), 212(3), 311(3), 312(3), 313(3), 315(3), and 380(3). Majors are encouraged to take MGT-235(3) and MGT-236(3).

Students in the Second Major Program that is housed outside of the department must complete the ethics, mathematics and computer science requirements of the first paragraph above and all of the requirements of the second and third paragraphs above.

CLEP, life experience, work experience, internships, advance placement and other external credit do not substitute for upper-level (300) courses.

Accounting majors who elect to earn a second major in the Undergraduate Business Department must complete required unique "specialization courses" for the second business major. Specialization courses may only be used for satisfying the requirements for one business major.

The Forensic Accounting Certificate is available in the adult, undergraduate program. This program will provide a basic core of knowledge in the Forensic Accounting field which will help students pass the examination required for professional certification.

There are four courses (12 semester hours) required for completion of the Forensic Accounting Certificate: ACCT 321 (pre-requisite: ACCT 111), ACCT 322, 323 and 324.

Requirements - Minor:

Only courses in which a student has received a "C" or better may be applied to the minor. Students are limited to one minor in the accounting, business and economics, economics, finance, international business and economics, management and organizational behavior, and marketing programs. Students (except for BAM students) seeking a minor in accounting must complete with a grade of "C" or better 21 semester hours which must include ACCT-111(3), 112(3), 211(3), 212(3); ECON-C102(3); and at least two 300-level courses in accounting. A Bachelor of Arts in Management student seeking a minor in Accounting must complete with a grade of "C" or better the following courses and their prerequisites: ACCT-211, ACCT-212, ACCT-311, ACCT-312, ACCT-313 and ACCT-315. A student who majors in Accounting may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in either Sports Management or Sports marketing are available in combination with this major. Requirements listed below must be completed with a "C" or higher.

Sports Management Concentration: MGT-305, MKTG-305 and two courses from MGT-235, 297, 301.

Sports Marketing Concentration: MKTG-305, MGT-305 and two courses from MKTG-297, 330, INTB-385.

Anthropology Minor

College: College of Business

Department: International Business, Economics and Anthropology

Student Type: Traditional Undergraduate

Administrators: Dr. Jack Thornburg

Objectives:

Having completed the minor, students should have acquired the following knowledge and skills:

1. Students shall have an integrated knowledge, awareness and understanding of a culturally and biologically diverse world.
2. Students shall demonstrate an understanding of culture and society.
3. Students shall demonstrate the ability to understand complex research problems, and articulate appropriate methods and theory.
4. Students shall demonstrate an understanding of basic methods, concepts, alternative theories and approaches, and modes of explanation appropriate to each of the subfields of the discipline.
5. Students shall demonstrate an understanding of anthropological theory at an appropriate level.
6. Students shall demonstrate technical writing skills appropriate to education level.

Student Learning Outcomes: Students in the Anthropology minor will demonstrate the following competencies based on the above objectives:

1. The social, economic, historical, cultural and intellectual traditions that inform various regions of the globe
2. How to live, work, and participate in a diverse world
3. How to apply methodologies of analysis and research in anthropology in their quantitative and qualitative dimensions at a basic level
4. How to communicate within and across academic disciplines and cultures
5. How to confront moral and ethical issues facing societies and to develop a clear understanding of and commitment to personal values and beneficial change
6. How to think critically about the tension between globalizing forces and cultural identity.

Requirements - Minor:

An Anthropology minor consists of a program of courses totaling at least 21 hours, submitted to and approved by the program director, including at least 12 hours at the 200-level or above, of which at least three hours must be at the 300-level and must be completed with a "C" or better. Students must complete ANTH 200(3), 291(3), 208(3), 210(3), and 309(3). Two elective courses (six hours): Other anthropology courses or area studies.

Bilingual Journalism

College: College of Liberal Arts

Department: Communication

Student Type: Traditional Undergraduate

Faculty:

Raphael Iglesias, Ph.D.

Luigi Manca, Ph.D.

Joaquin Montero, Ph.D.

Peter Seely, M.A., Chair

Beth Vinkler, Ph.D.

Objectives:

A major in Bilingual Journalism will provide students with:

1. The knowledge to produce a feature story for a magazine, a television commercial, a newsletter or brochure using InDesign, a story for a newspaper or journal, an interactive web project, a variety of media materials in Spanish, and conduct an on camera interview.
2. The ability to assemble a professional portfolio which will give students an added advantage in the work force.
3. The knowledge and insight in each aspect of the media industry as it relates to Spanish-speaking media.

Requirements - Major:

In addition to the university skills and core requirements, students must complete the following with a grade of "C" or better: BIJR-150, 207, 337, 353, COMM-208, 209, 254, 255, 317, SPAN-211, 230, 231, 305, 311, and 312. It is assumed that students have achieved proficiency in SPAN-101, 102, 201 and 202. Any major in this program will either have to demonstrate proficiency in these courses or will need to enroll in them.

Biochemistry/Molecular Biology

College: College of Science

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Faculty:

Edward L. Ferroni, Ph.D., Director
Cheryl M. Mascarenhas, Ph.D., Chemistry Department
Edward M. Winkler, Ph.D., Chemistry Department
Niina Ronkainen, Ph.D., Chemistry Department
Timothy Marin, Ph.D., Chemistry Department
Preston Aldrich, Ph.D., Biology Department
Allison Wilson, Ph.D., Biology Department
LeeAnn Smith, Ph.D., Biology Department
Tim Comar, Ph.D., Mathematics Department
Jeremy Nadolski, Ph.D., Mathematics Department
Peter Nelson, Ph.D., Physics Department

Objectives:

The biochemistry/molecular biology major is designed to:

1. Prepare students for graduate studies in cellular/molecular biology, biochemistry or genetics/genomics;
2. Prepare students for entry level research and/or careers in biotechnology and industry;
3. Prepare students for studies in medical or allied health related fields;
4. Expose students to the latest techniques in cell and molecular biology and biochemical research through courses and labs; and
5. Provide opportunities for a capstone research experience.

Requirements - Major:

The BMB major must complete with a grade of "C" or better the following courses: BIOL-C197(3), 198(3), 250(3), 260(1), 340(3), 342(1), 371(3), 372(2); CHEM-C113(3), C123(3), 235(4), 242(3), 244(1), 247(3), 249(1); BCHM-361(3), 362(1), 365(3); NTSC-C151(1.5), C152(1.5); PHYS-C205(1), C206(1), C211(4), C212(4), 323(4); MATH-C207(1), C208(1), C220(4), 221(3). BMB majors must also complete 3 hours in physics, chemistry, computer science, mathematics or biology courses numbered 200 or above excluding all research, teaching and internship courses. Students interested in M.D. or M.D. / Ph.D. programs are advised to seek course recommendations from their advisor. Three hours of research credit which will result in an original research project, thesis and seminar must also be completed for a total of three credit hours [in BCHM, BIOL, CHEM, CMSC, MATH and/or PHYS].

A student may have only one major in the biochemistry/molecular biology, biology, environmental science, and health science programs.

The information contained on this page is from the 2010-2011 Undergraduate Catalog and is valid until August 1, 2011.

Other Information:

Why study biochemistry/ molecular biology (BMB) at Benedictine?

When you choose to major in BMB at Benedictine University, you will have the opportunity to:

1. Pursue a degree in an interdisciplinary major that emphasizes critical thinking and problem-solving skills;
2. Pursue an investigative-orientated approach to science;
3. Use advanced research instrumentation and techniques in modern laboratories;
4. Participate in a highly productive and nationally recognized undergraduate research program that has received external funding from federal agencies and the private sector;
5. Have the opportunity to use the extensive facilities in our Birck Hall of Science, and the possibility of facilities at such off-campus sites as BP Amoco, Argonne National Laboratory or Nalco, among others;
6. Prepare students to study systems biology by exposing students to the disciplines and tools of bioinformatics, genomics, and proteomics;
7. Publish and present your research findings at local, regional and national symposia;
8. Have the confidence of participating in a program that follows the guidelines of the American Society of Biochemistry and Molecular Biology (ASBMB).

What careers are available with a BMB degree?

Unlike the traditional biology or chemistry major, the biochemistry/ molecular biology program is focused on interdisciplinary education in the natural sciences. This intensive and research-oriented training prepares students for specific graduate programs that are often unavailable to the traditional science major. These include graduate or health-career programs in biochemistry, cell and molecular biology, developmental biology, genetics, microbiology and biotechnology.

The BMB major also prepares students for entry-level research and development careers in biotechnology and industry. With biotechnology the fastest-growing field of study in the natural sciences and the University's location in the heart of the research and development corridor of metropolitan Chicago, a market exists for highly-trained undergraduates with a bachelor of science in biochemistry/ molecular biology.

How does the program work?

As a biochemistry/ molecular biology major you will acquire a broad base of knowledge, represented by the university's core courses required of all students, which are invaluable to your future career development and daily interactions as citizens of your community. Within the BMB major, you will obtain proficiency in biocalculus, university physics, general biology and general and organic chemistry. Additional lecture courses in biochemistry, intermediary metabolism, biophysics, genetics, molecular and cellular biology will be reinforced with a consecutive series of laboratory courses in recombinant DNA, protein chemistry and genomics/bioinformatics to complete the major.

Biology

College: College of Science

Department: Biological Science

Student Type: Traditional Undergraduate

Faculty:

Preston Aldrich, Ph.D.

Philip Novack-Gottshall, Ph.D.

Laura Gruss, Ph.D.

Cheryl A. Heinz, Ph.D.

Fr. Edmund J. Jurica, O.S.B., Ph.D., Professor Emeritus†

Fr. Hilary S. Jurica, O.S.B., Ph.D., Professor Emeritus†

Lawrence F. Kamin, Ph.D.

Alfred R. Martin, Ph.D.

John Mickus, Ph.D.

Robin Pals-Rylaarsdam, Ph.D.

Alice N. Sima, R.N., M.S.N., M.B.A., Director, Pre-Professional Health Programs

Lee Ann Smith, Ph.D.

Rev. Theodore D. Suchy, O.S.B., M.S., Curator, Jurica-Suchy Nature Museum

Monica Lee Tischler, Ph.D.

Allison K. Wilson, Ph.D., Chair, Biological Sciences; Interim Director,
Clinical Exercise Physiology Program

Lab Coordinator: William Carvell, Ph.D.,

Lecturers:

Jason Adams, M.S.

Christine Beatty, Ph.D.

Jesse Biehl, Ph.D.

Pat Blaney, D.D.S.

William Carvell, Ph.D.

Vandana Chinwalla, Ph.D.

William Chura, Ph.D.

Thomas Cornwell, M.D.

Dominic Costabile, D.O.

Jennifer Ellsworth, M.S.

Abigail Derby, Ph.D.

Philip DuPont, M.D. Ph.D.

Peter Gallos, D.D.S.

Kathryn Kennedy, D.D.S.

Christine Klimas, M.S.

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Tom Knutson, M.S.
Sharon Luckhardt, O.D.
Joni Marin, M.S.
David Maze, O.D.
Cody McNeely, M.S.
Daniel Olson, Ed.D.
Scott Padalik, M.D.
David Piazza, M.D.
Leonard Piazza, M.D.
Mark Poch, Ph.D.
Joseph Podojil, Ph.D.
Roli Prasad, Ph.D.
Terrence Puryear, Ph.D.
Stephen Rowley, M.D.
Jayashree Sarathy, Ph.D.
Nancy Schubert, D.O.
Regina Schurman, M.S., RCEP, CPA
Anne Marie Smith, M.S.
John Eric Smith, Ph.D.
Veronica Stellmach, Ph.D.
Paula Tomczak, Ph.D.
Robert Townsend, M.S.
Jigyasa Tuteja, Ph.D.
Marjorie VanderWagen, M.S.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Research Associate: James C. VandenBerge, Ph.D.

Objectives:

The Biology degree program is designed to:

1. Expose students to current biological issues within a liberal arts context;
2. Introduce the range of biological levels of organization - from molecular biology to organismic to population biology;
3. Expose students to current technologies to find information, demonstrate understanding of problems, identify appropriate strategies to solve problems and select proper tools and assessment to address problems; and
4. Integrate the chemical, physical and mathematical principles necessary for a more complete understanding of the primary mechanisms of biology such as heredity, evolution and development.

The *BS in Biology* is designed to prepare students for graduate study in the biological sciences, for professional study in medicine, dentistry, veterinary medicine, other biomedical specialties and related health careers as well as for careers as high school teachers. In addition, it prepares students to obtain jobs in research, pharmaceutical sales, quality assurance testing and as naturalists.

The *BA in Biology* prepares students to pursue careers in law, journalism, the environmental sector, graduate study in nursing and public health, and for jobs in pharmaceutical sales and the general work force.

The biology department also offers a variety of first-year biology courses for all University students, intended to introduce non-biologists to living organisms and current issues in biology.

Requirements - Major:

The B.S. in Biology major must complete 38 hours of biology courses with a grade of “C” or higher. A minimum of 30 semester hours in BIOL must be at the 200 level or above including nine hours at the 300 level. Coursework must include BIOL-C197(3), C198(3), C199(1), 229(3), 250(3), 251(1), 340(3), 341(1), 363(3), 364(1); CHEM- C113(3), C114(1), C123(3), C124(1), 242(3), 243(1), 247(3), 248(1); PHYS-C113(3), C114(1), C118(3), C119(1); MATH-111(3), 207(1), 210 (4) or 220(4) or proficiency in MATH 210 or higher; BCHM 261(3) or 361(3). Majors must also complete an organismal course to be chosen from BIOL-204(3), 208(4), 249(3), 271(3) or other approved courses and a systems course to be chosen from BIOL- 203(4), 228(4), 256 (3-4), 258(4), 325(3) or other courses approved by program faculty, plus 7-9 additional hours of biology electives at the 200 level or above. The writing intensive courses in the major are Biol 341 and Biol 364.

The B.A. in Biology major consists of 66 semester hours of coursework that must be completed with a grade of “C” or higher. A minimum of 23 semester hours in BIOL must be at the 200 level or above including six of the nine hours of 300 level credits required for the major. The other three hours may be a humanities course. Coursework must include BIOL-C197(3), C198(3), C199(1), 201(3) or 301(3) or 313(3), 205(3), 250(3); CHEM- C113(3), C114(1), C123(3), C124(1); CHEM- 242(3) 243(1) or 103(3), 104(1); PHYS-C113(3), C114(1) or PHYS 107(4); MATH-111(3) or proficiency in MATH 111 or higher; HUMN 220 (3), 230(3), 240(3), 250(3). Majors must complete three Humanities-Science core courses to be chosen from NTSC 210(3), PHIL 290(3), PHIL- 246(3) or 248(3), RELS 225(3) or other approved courses and one additional RELS or THEO course. Two semesters of one foreign language, including Greek or Latin, is required or if proficiency is demonstrated at or above the 200 level, one additional semester of a foreign language must be completed. Majors must also complete an organismal course to be chosen from BIOL- 204(3), 208(4), 249(3), 271(3) or other approved courses and a systems course to be chosen from BIOL- 203(4), 228(4), 256 (3-4), 258(4), 325(3) or other courses approved by program faculty, one upper-level BIOL lab (>200 level), and a writing intensive interdisciplinary project (1). Additional electives necessary to fulfill the 66 total hours must be in BIOL or arts and humanities courses.

We encourage students to further their learning by assisting in labs. However, only two credits in BIOL 292 will count towards the BA or BS in Biology major.

A student majoring in Biology (BA or BS) may only earn one major in the biochemistry/molecular biology, biology, environmental science, health science, physics (biological physics concentration) and medical humanities programs.

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Requirements - Minor:

Students seeking a minor in biology must complete, with a grade of "C" or better: CHEM-C113(3), C114(1), C123(3), C124(1); BIOL-197(3), 198(3), 199(1), and at least 16 semester hours in biology at the 200-level or above, including at least three credit hours at the 300-level.

All Chemistry courses (8 hrs) and all Biology courses (23 hrs) must be passed with a grade of "C" or better.

A minor in Biology is available only to students whose major is outside the Department of Biological Sciences. However, Medical Humanities majors cannot minor in Biology.

Requirements - Teaching Certification:

Students desiring to be certified to teach biology on the secondary level (grades 6-12) are to declare themselves as biology majors and education minors and register with the Benedictine University Education Program as teaching certificate candidates. Advising is then a joint responsibility of the biology and the education programs.

Students must complete the requirement for a major in biology as well as the requirements of the Teacher Certification Program in Secondary Education which includes an education minor (see Education).

Majors must complete 37 hours in biology, of which 30 hours are at the 200 level or above, including 11 hours at the 300 level, and required cognates with a grade of "C" or higher. Coursework must include BIOL-C197(3), C198(3), C199(1), 204(3), 208(4), 250(3), 251(1), 258(4), 292(1), 313(3) or 301(3), 340(3), 341(1), 363(3), 364(1) and three hours of BIOL elective; CHEM- C113(3), C114(1), C123(3), C124(1), 242(3), 243(1), 247(3), 248(1); PHYS-107(4), C113(3), C114(1), C118(3), C119(1); MATH-111(3), 207(1), 210 (4) or 220(4) or proficiency in MATH 210 or higher; BCHM 261(3) or 361(3) and PHIL 290(3). The writing intensive courses in the major are Biol 341 and Biol 364.

Business Administration (Associate of Arts)

College: Margaret and Harold Moser College of Adult and Professional Studies

Department: Adult and Professional Studies

Student Type: Adult Accelerated Undergraduate

Objectives:

This program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to various aspects of the functional areas of business.

This program is designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics (the tool for the discipline); and
3. The principles pertinent to all of the functional areas of business, accounting, management, computer applications and entrepreneurship, in an integrated manner and with adequate focus on strategic management.

The Associate of Arts in Business Administration is designed in a learning team format so that the entire program is available through evening and weekend classes. The Associate of Arts in Business Administration is offered in time periods and formats designed for the needs of adult learners.

Requirements - Major:

Associate of Arts in Business Administration students must complete the following courses. Business core and skills courses must be completed with a "C" or better: WRIT-S101(3), WRIT-S102(3), SPCH-S110(3), MATH-S104(3), HUMN-220(3), PHIL-C245(3), MUSI-C104(3), FNAR-C100(3), NUTR-C100(3), ASTR-C105(4), PLSC-C102(3), PSYC-C210(3), ECON-C101(3), ECON-C102(3), ACCT-111(3), ACCT-112(3), CMSC-100(3), MGT-100(1), MGT-150(3), MGT-210(3), and MGT-220(3).

Business and Economics

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Faculty:

Jane Crabtree, Ph.D.

Charles L. Gahala, M.B.A., Ed.D., C.C.E.

J. Timothy Goines, Ph.D.

Donald Henschel, M.B.A., C.P.A.

Nona Jones, Ph.D.

Soyon Lee, Ph.D., C.P.A.

Isobel Lobo, Ph.D.

Jeffrey Madura, M.B.A., C.P.A.

James Zoda, Ph.D.

Vicki Jobst, M.B.A., C.P.A.

Objectives:

This program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to the various aspects of the functional areas of business.

This program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business or management.

All students in these programs will receive a thorough grounding:

1. In economics (the theoretical basis for the discipline);
2. In mathematics and statistics (the tool subjects);
3. In the principles pertinent to all of the functional areas of business, accounting, finance, management, and marketing, in an integrated manner and with adequate focus on their international aspects; and
4. In the principles and practices of the major functional areas of business, finance, marketing and management.

The business and economics major is designed so that the entire degree is available through day classes. The business and economics major is also offered in time periods and formats that are designed for the needs of adult learners, offered through evening and weekend classes.

Requirements - Major:

Business and economics majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics, MATH-S105(3) or S110(3) and C115(3). All business majors must complete CMSC-180 and either CMSC-181 or 183, depending upon the students background. CMSC-181 should be taken by students who believe they already have a background in the Office Suite. CMSC-183 is recommended for those students who need to develop skills using the Office Suite. ACCT 310 may be substituted for CIS/CMSC 180, 181/183, with advisor approval.

Business and economics majors must also complete, with a grade of "C" or better, ECON-C101(3), C102(3), 202(3), 310(3); ACCT-111(3), 112(3); FINA-300(3); MGT-150(3), 251(3), C300(3); MKTG 300(3), one capstone course (from FINA-380, MGT-380 or MKTG-380) and at least three 300-level courses taken from ECON, FINA, INTB, MGT, or MKTG series. ACCT-311 or 312 may substitute for one of the previous 300-level courses.

Students in the Second Major Program must complete the requirements of this paragraph, and the ethics, computer science and mathematics requirements of the preceding paragraph.

CLEP, life experience, work experience, internships, advanced placement and other external credit do not substitute for upper-level (300) courses.

Business and Economics majors who elect to earn a second major in the Undergraduate Business Department must complete unique "specialization courses" for the second business major. Specialization courses may only be used for satisfying the requirements for one business major. In the event that a specialization course is required for two majors, the student's academic advisor will identify an additional specialization course.

Requirements - Minor:

Only courses in which a student has received a "C" or better may be applied to the minor. Students are limited to one minor in the accounting, business and economics, economics, finance, international business and economics, management and organizational behavior, and marketing programs. Students (except for BAM students) seeking a minor in business and economics must complete with a grade of "C" or better 21 semester hours which must include ACCT-111(3), 112(3); ECON-C101(3), C102(3); and at least three 300-level courses in finance, international business and economics, management or marketing. A Bachelor of Arts in Management student may not minor in Business and Economics. Students who earn a major in business and economics may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in either Sports Management or Sports Marketing are available in combination with this major. Requirements listed below must be completed with a "C" or higher.

SPORTS MANAGEMENT CONCENTRATION: MGT-305, MKTG-305 and two courses from MGT-235, 297, 301.

SPORTS MARKETING CONCENTRATION: MKTG-305, MGT-305 and two courses from MKTG-297, 330, INTB-385.

Requirements - Teaching Certification:

If you desire to be certified to teach business, economics, marketing and/or management in secondary schools (grades 6-12), you are ordinarily required to major in business and economics. You must complete the major in business and economics, requirements leading to an endorsement in marketing/management, and requirements for secondary education and Teacher Certification described in the Education section.

Note: If you desire to teach economics, you may also earn your certificate with a major in social science. If you graduated from Benedictine University with a major in marketing or management, you may complete requirements leading to secondary certification in marketing/management. Consult the Education Program.

Business with Science Applications

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Faculty: Undergraduate Business and Science Faculty

Objectives:

The Business with Science Applications major in the Undergraduate Business Department combines the B.B.A. undergraduate business degree core with the Undergraduate Science core, plus major specialization courses in science management, legal and ethical aspects, innovation and product development, quality systems, product team management, with internship and culminating capstone experience. To accomplish this, seven new specialized courses have been added, BSCI 220, 210, 220, 230, 240, 297 and 380.

The Business with Science Applications program addresses the need for graduates who understand both science and management to launch careers in technology based businesses important to growing our national and global economy. Students acquire a broad base of knowledge, represented by the University's core courses that will prove valuable in future career development and daily life as a citizen in society. The Business with Science Application major learns the fundamentals of the economic system as it functions nationally, globally and within the corporation, the principles of accounting and managerial finance, and the principles of mathematics along with knowledge in each of the related social sciences: sociology, political science, psychology and ethics. They also learn the fundamentals of science (biology, chemistry and physics) followed by selection of one track from four high growth technology areas - biotechnology, informatics, environment or pharmaceuticals/allied health. A Faculty Advisory Group with representatives from the college of Science track students through their selected technology tracks while the College of Business faculty and staff advise and mentor the students throughout the interdisciplinary program. In addition, the specialization courses capture the management tools of today's and tomorrow's emerging technology-based businesses. These courses have been designed by external business leaders and entrepreneurs with industrial experience. Benedictine's close location to the I-88 high tech corridor facilitates internship experiences with partner companies thus preparing graduates to launch their careers in technology driven businesses or continue post-graduate studies.

Requirements - Major:

Science Core (36-38): BIOL 197 & 198/199, CHEM 113/114 & 123/124, PHYS 113 & 118, CMSC 180/181 or 183, (MATH 110) + MATH 111 + (MATH 115 or (MATH 170/171+MATH 200) or MATH 210/207), advanced Science Elective (8-10 hours at the 200/300 level with a required selection of 1 out of 4 tracks: biotechnology, informatics, environment and pharmaceuticals/allied health):

- Biotechnology: BIOL-208 Microbiology (4), BIOL-250 Genetics (3), BIOL-260 Recombinant DNA lab(1)

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- Informatics: CMSC-200 Computer Programming (4), CMSC-205 Data Structures and Algorithms I (3), CMS-274 Object-Oriented Design and Programming (3)
- Environment: ENVS-205 Intro to Env Sci (3), ENVS-210 OSHA Haz Waste (1), ENVS-305 (3) Env.Tox (or other elective), BIO-281(1) w/ bio dept chair approval.
- Pharmaceuticals/Allied Health: CHEM-103 (3) Intro to Org/Biochem, NUTR-200 Nutritional Science (3), BIOL-258 (4) Human Physiology

The following elective science courses are excluded from this major and will not be applied toward major requirements: BCHM 295, 393, 292, 397, CHEM 295, 393, CIS 396, 399, CMSC 396, 399, HLSC 390, MATH 399, PHYS 393, 396. (These are either "teaching," "internship," "practica" or "ACCA Seminar" courses.)

Biostatistics 229 will meet requirements for MGT 150 and MGT 251.

Business Core (27): ACCT 111/112, ECON 101/102, MGMT 150/251, FINA 300, MKTG 300, MGT 300

Major Specialization Courses (24): BSCI 200, 210, 220, 230, 240, 297, 380 and MGT347/CIS 388

Requirements - Other:

Business with Science Application majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics. Transfer students which meet the core requirements, but did not take an ethics course, must take one to meet the requirements of this business major.

Chemistry

College: College of Science

Department: Chemistry

Student Type: Traditional Undergraduate

Faculty:

Edward L. Ferroni, Ph.D.

Timothy Marin, Ph.D.

Cheryl M. Mascarenhas, Ph.D.

Niina Ronkainen, Ph.D.

David C. Sonnenberger, Ph.D.

Kari Stone, Ph.D.

Edward M. Winkler, Ph.D. Chair

James J. Hazdra, Ph.D., Professor Emeritus[†]

David J. Rausch, Ph.D., Professor Emeritus

Rev. Cyprian Tomecko, O.S.B., Ph.D., Professor Emeritus[†]

Lab Coordinators:

Jeanne Domoleczny, M.S.

Joseph Labuda, M.S.

Lecturers:

Jorge Alvarado, Ph.D.

Ronald Anderson, Ph.D.

Joseph Brunzelle, Ph.D.

Lisa Gades, M.S.

Deborah Hockman, Ph.D.

Douglas Kimball, Ph.D.

Liangchao Lin, Ph.D.

Patrick McMahon, Ph.D.

Rashmi Nanda, Ph.D.

Neal Nowicki, Ph.D.

Hermona Pandya, Ph.D.

Lisa Riedy, Ph.D.

Giselle Sandi-Tapia, Ph.D.

Richard Schraufnagel, Ph.D.

Gary Schiltz, Ph.D.

David Sikkenga, Ph.D.

Bruce Solka, Ph.D.

Adam Wasilewski, M.S.

Constance Wood, Ph.D.

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Yirong Xu, Ph.D.
Lawrence Zintek, Ph.D.

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Objectives:

Chemistry courses are designed to prepare students to:

1. Understand matter, its properties and physical and chemical changes;
2. Have a sound understanding of the traditional areas of chemistry including: analytical, physical, organic, inorganic and biochemical, and their applications;
3. Understand the laboratory methodologies in the chemical sciences;
4. Respond to a changing technological society;
5. Enter studies in professional school (medicine, dentistry, veterinary, pharmacy) and graduate school; and
6. Enter a career in industry (research, chemical business and marketing, patent law) or teaching.

Requirements - Major:

CHEMISTRY CONCENTRATION: Students must complete: MATH-C210(4) and MATH-207(1) or C170(4) and 171(1) plus 200(4); MATH-211(4), MATH-212(4), (MATH 260(4) is recommended); PHYS-C113(3), C114(1), C118(3), C119(1), or PHYS-C211(4), C205(1), C212(4), 206(1). Two semesters of a modern foreign language are strongly suggested. All of the preceding are applicable to the core, as appropriate.

The following courses are required with a grade of "C" or better: CHEM-C113(3), C115(1), or NTSC C115(1.5), CHEM 123(3), C125(1), or NTSC C152(1.5), CHEM 235(4), 236(4), 242(3), 244(1), 247(3), 249(1), 272(2), 313(3), 314(1), 315(3), 316(1), 320(3), 321(1), 392(1), 398(2), 399(2), and two of the following advanced courses: CHEM-335, 340, 357, 390 and BCHM 361. An original research project and thesis must be completed. Students who satisfactorily complete this concentration (assuming that BCHM 361 is one of the advanced Chemistry classes taken) fulfill the requirements for ACS certification.

A student cannot major in both Health Science and Chemistry.

Requirements - Minor:

Students seeking a minor in chemistry must complete, with a grade of "C" or better: CHEM-C113(3), C114(1) or C115 or NTSC-151(1.5), Chem-C123(3), C-124(1) or C-125(1) or NTSC-C152(1.5), Chem - 235(4), 242(3), 243(1) or 244(1), 247(3), 248(1) or 249(1) and 3 hours in a 300-level CHEM or BIOCHEM course. No credit for CHEM 295 and 398. BMB majors may not minor in chemistry.

Requirements - Teaching Certification:

Students desiring to be certified to teach chemistry on the secondary level (grades 6-12) are to declare themselves as chemistry majors and education minors and register with the Benedictine University Education Program as teaching certificate candidates. Advisement is a joint responsibility of the chemistry

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and education programs. Students must complete the requirements for the chemistry major, a second teaching field and Teacher Certification in Secondary Education which includes an Education minor (see Education).

CHEMISTRY MAJOR WITH EDUCATION MINOR: Students must complete the following courses with a grade of "C" or better: CHEM-C113(3), C114(1) or C115(1) or NTSC C151(1.5), CHEM C123(3), C124(1) or C125(1) or NTSC C152(1.5), CHEM 235(4), 236(4), 242(3), 244(1), 247(3), 249(1), 313(3), 314(1), 315(3), 316(1), 320(3); BCHM-C261(3); MATH-C210(4), 207(1); or 170(4), 171(1) plus 200(4); 211(4), 212(4); and PHYS-C113(3), C114(1), C118(3), 119(1) or PHYS-C205(1), 206(1), C211(4), C212; NTSC-111(3); PHYS-107(4); PHIL-290(3); EDUC-200(1), 205(3), 215(3), 260(3), 310(3), 353(3), 354(0), 331(3), 350(0), 371(12), 206(0); and PHED-257(2).

Clinical Laboratory Science

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Lecturers:

Myron E. Rubinitz, M.D.

Donna Wray, M.T. (A.S.C.P.)

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Advisor: Alice N. Sima, R.N., M.S.N., M.B.A.

Objectives:

The program for majors in clinical laboratory science is designed to prepare students to:

1. Carry out complex analysis in the laboratory and make fine line discriminations and correction of errors;
2. Recognize interpretation of laboratory tests and have knowledge of physiological conditions affecting test results;
3. Generate data which may be used by the physicians in determining the presence, extent and, as far as possible, the cause of disease;
4. Perform and supervise tests and procedures in the clinical laboratory in major areas of hematology, microbiology, immunohematology, immunology, clinical chemistry and urinalysis; and
5. Become a certified clinical laboratory scientist by passing the national certifying examinations.

Requirements - Major:

Students in the clinical laboratory science program must complete at least 90 semester hours with a minimum GPA of 2.8 at Benedictine University. Students **MUST APPLY** for admission to Hines V.A., our clinical educational program affiliate hospital, during their junior year. Only U.S. citizens may enter the Hines V.A. Program. The admissions process is competitive. Your senior year is a 12-month, 32-semester-hour clinical education curriculum in the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

In addition to the University graduation requirements, the student majoring in clinical laboratory science must complete the following courses: CHEM-C103(3), C104(1), C113(3), C114(1), C123(3), C124(1), 235(3), 236(3); BIOL-C197(3), C198(3), C199 (1), 208(4), 250(3), 258(4), 340(3) and 354(3); MATH-111(3) or placement above MATH-111(3); PHYS-C113(3), C114(1), C118(3), and 119(1); MGT-150(3), C300(3);

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CMSC-180(2) and CMSC-182(1); and PHIL-C240(3). All of the following CLSC courses must be completed with a grade of "C" or better: CLSC-390(5), 391(6), 392WI(8), 393(3), 394(4), 395(2), 396(2), 397(2).

** A student who plans to attend graduate or professional school should take CHEM-242(3), 243(1), 247(3), 248(1); and BCHM-361(3).*

Communication Arts

College: College of Liberal Arts

Department: Communication

Student Type: Traditional Undergraduate

Faculty:

Christopher Birks, M.A.

Luigi Manca, Ph.D.

Peter B. Seely, M.A., Chair

Lecturers:

Michael Duffin, M.A.

John Madormo, B.A.

Deborah Moses, M.A.

Gail Pieper, Ph.D.

Diane Rzeszewski, M.F.A.

Hernice Smith, M.A.

Melanie Thillens, M.A.

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Objectives:

Courses in communication arts are designed to:

1. Prepare graduates for careers in advertising, electronic and print media, journalism, public relations, publishing, writing or other careers requiring sophisticated communications skills;
2. Prepare graduates for continued study in graduate or professional school;
3. Develop the student's critical and imaginative thinking, reading and writing skills;
4. Develop skills to empower the student to communicate ideas effectively, through speaking, writing and the use of technology;
5. Develop skills for critical interpretation of the media;
6. Foster aesthetic understanding in both production and interpretation of media texts;
7. Develop knowledge of the methods to make responsible social and personal decisions;
8. Develop primary and secondary research methodologies;
9. Develop an understanding of the history, structure and operation of the mass media;
10. Provide an understanding of the impact of mass media industries and messages on the individual, society and culture;

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11. Develop professional-level skills in written and oral communication for a variety of media and audiences;
12. Develop professional-level production skills for both print and electronic media;
13. Encourage the development of creative expression; and
14. Help the student develop a professional media portfolio.

Requirements - Major:

Students majoring in communication arts must complete at least 42 hours within the department with a grade of "C" or better, including: COMM-150(3), 207(3), 208(3), 209(3), 253(3), 254(3), 255(3), 263(3), 317(3), 393(3), one 300-level theory course from: COMM-385(3), 386(3), 388(3), 390(3), one 300-level applied course from: COMM-C316(3), 337(3), 353(3), and 381(3), at least one 300-level communication arts elective (theory or applied) and one 200 or 300 level COMM arts elective. No more than three internship credit hours may count toward the major. Students majoring in communication arts will need to submit a portfolio of their work in advertising, journalism, multimedia, public relations and video, prior to graduation. Through working with advisors, majors will be guided in the selection of courses both within and outside the department in order to plan a program of studies tailored to their individual educational and career goals.

Communication Arts major for pre-law students:

While stating that no single major is recommended for admission to law school, the "Statement on Prelegal Education of the Association of American Law Schools" emphasizes the absolute necessity for the "need to master, at the undergraduate level, advanced writing skills and effective oral communication. Lawyers must be able, in drafting instruments, to convey meaning clearly and effectively. In oral and written advocacy he or she must be capable of communicating ideas convincingly and concisely ... Truly, the law-trained man or woman, to perform effectively the tasks expected, must be a precisionist in the use of language".

Students interested in law school who choose communication arts as a major are advised to take, in addition to their major requirements, the following courses, some of which may be applicable to divisional core requirements: PHIL-C260 or C355(3) and a history course, ECON-C101(3), ACCT-111(3), PLSC-202(3), MGT-150(3), CMSC-C120(3), BIOL-C108(3), and BCHM-C100(3).

Requirements - Minor:

A minor in communication arts consists of at least 21 hours in communication arts courses with a grade of "C" or better, including: COMM-207(3), 209(3) or 254(3), 317(3), and an additional three-credit-hour communication arts course at the 300-level.

Requirements - Concentration:

The communication arts program offers areas of focus in (1) journalism, (2) broadcasting and cable, (3) advertising and public relations and (4) mass media theory and criticism, plus a concentration in sports journalism.

There is also a Sports Communication concentration that consists of all of the above major requirements (except COMM 150 and COMM 263), plus COMM 264, 265, and 297 and MGT 205.

Computer Information Systems

College: College of Science

Department: Computer Science

Student Type: Traditional Undergraduate

Faculty:

Ruth Chen, Ph.D.

Eileen G. Clark, M.S.

J. Kevin Doyle, Ph.D.

Barbara T. Grabowski, Ph.D.

Ralph D. Meeker, Ph.D.

Daniel E. Nohl, Ph.D.

Fr. Richard E. Shonka, O.S.B., M.S., Professor Emeritus†

Lecturers:

Lawrence Pollack, M.S.

Sam Russo, M.S., M.B.A.

Martin Mark Sowa, M.A., M.B.A.

Petre Turcu, D.S.

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Objectives:

The discipline of information systems is concerned with the organizational foundations of systems and their emerging strategic role, specifically:

1. The technical foundations of information systems, including hardware, software, storage and telecommunications technologies that comprise the organization's information technology infrastructure; and
2. The role of information systems in redesigning organizations, including reengineering of critical business processes and in enhancing management decision-making.

General education courses in information systems are designed to introduce a student to the specific technical skills needed to make effective use of information technology.

The program for majors is designed to produce graduates equipped to function in entry-level information systems positions with a basis for continued career growth. Graduates are expected to interact more effectively with clients and to work effectively in teams. Graduates will have good written and oral

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communication skills. They will also be prepared to enter graduate programs in information systems or in related disciplines.

The information systems curriculum falls into four sets of courses.

1. General courses in information systems
2. Courses in specialized information technology and application design:
 - a. computer programming, data structures, object oriented design and analysis, computer organization and architecture
 - b. data storage and management
 - c. database design
 - d. computer networks and data communications
3. Courses in application development and project management
4. Business foundations:
 - a. accounting, economics and finance
 - b. management and marketing
 - c. mathematics and statistics

Requirements - Major:

The computer information systems major must complete a minimum of 29 hours of computer information systems courses numbered 180 or above, including 12 hours at the 300-level, 15 hours in business courses and ten hours of computational courses. Required computer information systems courses are: CIS-C180(2), CIS-C181(2), CIS-C200(4), CIS-205(3), CIS-220(3), CIS-274(3), CIS-376(3) or CIS-388(3), and CIS-398(3). CIS-396, CIS-397 and CIS-399 do not count towards major credit.

Required business courses include ACCT-111(3), 112(3), ECON-C101(3) or ECON-C102(3), and two of the following three courses: FINA-300(3) [ECON-C101(3) recommended], MGT-C300(3) [ECON-C101(3) recommended], and MKTG-300(3) [ECON-C102(3) recommended].

Required computational courses include: MATH-C115(3), MGT-150(3) and MATH-240(4).

Grades of "C" or better are required to apply information systems, business or computational courses toward the degree.

A student cannot major in both Computer Information Systems and Computer Science.

Requirements - Minor:

Students seeking a minor in information systems must complete, with a grade of "C" or better: MATH-240(4) and at least 17 hours of computer information systems coursework, CMSC C180(2), CMSC C181(2), including CMSC C200(4), CMSC 205(3) CMSC 270(3) and CMSC 270(3) or CMSC 274(3).

One course must be at the 300-level.

A Computer Science major is not eligible for a minor in Information Systems.

Computer Science

College: College of Science

Department: Computer Science

Student Type: Traditional Undergraduate

Faculty:

Ruth Chen, Ph.D.

Eileen G. Clark, M.S.

J. Kevin Doyle, Ph.D.

Barbara T. Grabowski, Ph.D.

Ralph D. Meeker, Ph.D.

Daniel E. Nohl, Ph.D.

Fr. Richard E. Shonka, O.S.B., M.S., Professor Emeritus†

Lecturers:

Lawrence Pollack, M.S.

Sam Russo, M.S., M.B.A.

Martin Mark Sowa, M.A., M.B.A.

Petre Turca, D. S.

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Objectives:

Computer Science deals with the systematic study of algorithms and data structures, specifically:

1. Their description and use in application
2. Their software and hardware implementation; and
3. Their formal properties

General education courses in computer science are designed to introduce the student to the skills needed in order to use computers as technical tools. The program for majors is designed to:

1. Provide solid foundations in:
 - a. Problem-solving, algorithm development and computer programming
 - b. The scientific principles which underlie the discipline of computer science
 - c. The mathematical theory needed for computer science
2. Develop strong oral and written communication skills
3. Provide electives in:
 - a. Applications appropriate to the programmer/analyst
 - b. Scientific and technical applications

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- c. The basic study of the theory and applications of computers
- d. Emerging developments in computer science

Requirements - Major:

The computer science major must complete a minimum of 38 hours of computer science courses numbered 180 or above, including 18 hours at the 300-level. Required courses are CMSC-C180(2), C181(2), C200(4), 205(3), 220(3), 270(3), 274(3), 330(3), 375(3) and 398(3). CMSC-396, CMSC-397 and CMSC-399 do not count towards major credit. Computer science majors must also complete a computational requirement of MATH-240(4) and two of the following computational courses: MATH-115(3), MATH-150(3), MATH-170(5), MATH-200(4), MATH-210(5) or MATH 211(4).

Grades of "C" or better are required to apply computer science or computational courses toward the degree.

A student cannot major in both Computer Science and Computer Information Systems.

Requirements - Minor:

Students seeking a minor in computer science must complete, with a grade of "C" or better: MATH-240(4) and at least 17 hours of computer science coursework, CMSC-C180(2), CMSC-181(2), including CMSC-C200(4), 205(3) and 270(3) or 274(3). One course must be at the 300-level.

A Computer Information Systems major is not eligible for a minor in Computer Science.

Criminal Justice

College: College of Liberal Arts

Department: Psychology, Sociology, and M.S.C.P.

Student Type: Traditional Undergraduate

Faculty:

James Crissman, Ph.D., Department Chair

Jane Boumgarden, M.S.W., L.C.S.W., A.C.S.W.

Joel Ostrow, Ph.D.

Tammy Sarver, Ph.D., J.D.

Lecturers:

Jim Ryan, Benedictine University Distinguished Fellow

Objectives:

To provide a well-rounded, liberal arts academic preparation for students who wish to work in the areas of law enforcement, probation and parole, the judicial system, or attend law school to become a criminal law attorney. The primary objectives of the program include the development of critical thinking, communication, technology and computing skills, qualitative reasoning, ethical decision making, and an understanding of diversity.

Through this program, students will:

Acquire, understand, and synthesize knowledge pertaining to the legislative, law enforcement, judicial, and correction components of the criminal justice system, as well as acquire a knowledge of the various theories concerning the criminal justice system.

Learn research methodology in order to apply it to questions of crime commission, law creation, law enforcement, the adjudicatory process, and the correctional process, as well as the test of criminological theory.

Communicate effectively within and across all components of the criminal justice system.

Understand the nature of evidence and how to evaluate it.

Solve problems independently and cooperatively, and understand the importance of ethical behavior within the criminal justice system.

Requirements – Major:

Criminal Justice major must complete: PLSC 102(3), PLSC 201(3), CJUS 150(3), CJUS 206(3), CJUS 251(3), CJUS 351(3), CJUS 390(3), CJUS 395(3), SOCL 356(4); one of the following – PLSC 205(3), PLSC 230(3), CJUS 322(3), or PLSC 237(3); one of the following: PLSC 215(3) [must contain emphasis on international crime, and may require additional assignment to receive credit in the Criminal Justice major], PLSC 218(3), or PLSC 251(3) [must contain emphasis in policy relating to crime and crime reduction]; three of the

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following - CJUS 206(3), CJUS 233(3), CJUS 240(3), CJUS 243(3), CJUS 294(3), CJUS 306(3), CJUS 324(3), CJUS 326(3), CJUS 330(3), CJUS 331(3), CJUS372(3), SOCL 205(3), SOCL 270(3), or SOCL 321(3).

Each major course must be completed with a grade of “C” or better. In addition, major must complete ANTH C200(3) to meet the Anthropology/Political Science core electives requirement and an Ethics course to meet the Philosophy core electives requirement.

Diagnostic Medical Sonography

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Administrators: Alice N. Sima, R.N., M.S.N., M.B.A.,

Lecturers:

Helena Gabriel, M.D., Medical Director,- Northwestern Memorial Hospital

Casey Clarke Program Director - Northwestern Memorial Hospital

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Objectives:

The diagnostic medical sonography curriculum is designed to provide the student with a comprehensive body of knowledge and the necessary skills expected of a competent program graduate. The curriculum includes didactic instruction that provides learning experiences to enhance understanding and performance of clinical responsibilities.

A bachelor's degree in diagnostic medical sonography prepares students to:

1. Obtain and record an accurate patient history;
2. Perform diagnostic procedures and obtain diagnostic images;
3. Analyze technical information;
4. Use independent judgment in recognizing the need to extend the scope of a procedure according to diagnostic findings;
5. Provide an oral or written summary of the technical findings to the physician for medical diagnosis;
6. Provide quality patient care; and
7. Collaborate with members of the health care team.

Requirements - Major:

Students majoring in diagnostic medical sonography will complete the first years of course work at Benedictine University. Students should complete all college graduation requirements during these three years, while maintaining a grade point average of 2.8 or above. In the junior year, students must apply to Northwestern Memorial Hospital for the clinical education. The admissions process is competitive. During senior year, students will complete an 18-month, 45-semester-hour clinical education curriculum at Northwestern Memorial Hospital.

A certificate of qualification as a diagnostic medical sonographer will be awarded when students complete this program.

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Students majoring in diagnostic medical sonography must complete the following courses: MATH-111(3); CMSC-180(2), 182(1); a core approved philosophy ethics course(3); HLSC-291 (2), CHEM-C113(3), C114(1), C123(3), C124(1); MGT-150(3); BIOL-C197(3), C198(3), C199(1), 203(4), 250(3), 251(1), 258(4); PHYS-C113(3), C114(1), C118(3), 119(1). In addition, the following courses must be completed with "C" or better: DMSC-301(3), 302(1), 303(2), 304(4), 305(3), 306(2), 307(3), 308(4), 309(2), 310(3), 311WI(3), 312(2), 313(1), 314(3), 315(1), 316(2), 317(4), 318(2).

Economics

College: College of Business

Department: International Business, Economics and Anthropology

Student Type: Traditional Undergraduate

Faculty:

J. Timothy Goines, Ph.D.

Soyon Lee, Ph.D., C.P.A.

Isobel Lobo, Ph.D.

Margaret Roth, Professor Emeritus

Objectives:

The program and courses are designed to:

1. Help students think clearly and analytically about the U.S. economy in particular, and the global economy in general, within the context of socio-economic, cultural, and political institutional structures;
2. Develop students' critical thinking and problem-solving skills that, combined with the theory and techniques of Economics, will give Economics majors the flexibility to perform in a variety of professions and careers; and
3. Prepare students to be actively involved in economic, social, and political issues of the day.

The program and major are designed to:

1. Prepare you for entry level positions in economics and business. Majors find careers in government departments, economic and market research, consulting, banking, finance, and other business;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in economics or business.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. The principles of accounting.

Requirements - Major:

Economics majors must complete the University core requirements, and MATH-C210(4), 207(1) and are strongly encouraged to complete MATH-211(4), 212(4), and either MATH-260(4) or 300(3).

Economics majors must also complete, with a grade of "C" or better, ECON-C101(3), C102(3), 201(3), 202(3), 251(3); ACCT-111(3), 112(3); MGT-150(3); and five 300-level courses from ECON-306(3), 310(3), C320(3), 331(3), 340(3), 360(3), 370(3). Economics majors must also complete a senior paper in their last semester in residence, under the direction of their academic advisor.

CLEP, life experience, work experience, internships, advance placement and other external credit do not substitute for upper-level (300) courses.

Requirements - Minor:

Students seeking a minor in economics must complete with a grade of "C" or better 21 semester hours which must include ECON-C101(3), C102(3), 202(3), 310(3); MGT-150(3) and at least two 300-level courses in economics.

Why study economics at Benedictine?

When you choose to major in economics at Benedictine University, you will begin to be concerned with solutions to economic problems arising from the production and distribution of goods and services at the macroeconomics and microeconomics level. You will learn to compile, process and interpret economic and statistical data. You will also learn to interpret government policies and their influence on price and employment levels.

As an economics major, you will receive thorough exposure to economic principles and how to apply them to the national economy and the business world. In our program, you will receive the theoretical and practical economic training you need to successfully enter the business community, government service or graduate school.

You will have access to our library's collection of current government documents and statistical information conveniently available to use for your research needs.

What careers are available with an economics degree?

Most students pursuing a bachelor's degree in economics intend to continue with graduate studies in economics or business at some point in their careers. Business economists work in such fields/positions as:

- Consumer education
- Banking officer
Stock broker
- Market analyst
Labor union officer
- Business manager
- Statistician
- Insurance actuary
- Merchandising manager
- Real estate manager
- Government researcher

How does the program work?

As an economics major, you will acquire the broad base of knowledge, represented by the University's core courses taken by all students, which will prove valuable in your future career development and daily life as a

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citizen of your community. You will develop a knowledge of ethics and the closely-related social sciences important to your success: sociology, psychology and political science. You will acquire a thorough background in quantitative skills through courses in statistics, calculus and linear algebra or differential equations, plus other recommended math courses. You will thoroughly learn principles of accounting, how firms operate and make economic decisions, how the economic system works at the aggregate and microeconomic levels, and specialized economic topics such as public finance, money and financial markets and international trade and finance.

Education

College: College of Education and Health Services

Department: Teacher Education

Student Type: Traditional Undergraduate

Faculty:

Richard Campbell, Ed.D.

Alandra Clarke, Ph.D.

Alan Gorr, Ph.D., M.P.H.

MeShelda Jackson, Ph.D.

Joyce Jeewek, Ed.D.

Eileen Kolich, Ph.D.

James Pelech, M.B.A., C.A.S. Ed.D.

Fr. David Turner, O.S.B., Ph.D., D.Min.(Prin.)

Ovid Wong, Ph.D.

John Zigmond, Ed.D.

Lecturers:

Bruce Bandy, M.A.

Lou Ann Chvatal, M.S.

Mark Flood, M.A.

John Meggesin, M.S.

Chris Nelson, M.S.

Kelly Neylon, M.S.

Denise Reed, M.A.

Betty Sixsmith, M.Ed.,CAS

Trevor Steinback, Ed.D.

Deborah Tyrrell, M.S.

Craig Weber, M.Ed.

Jan Writer, Ph.D.

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Requirements - Major:

Requirements for teacher certification in Elementary Education:

Students majoring in elementary education must complete the following requirements. These align with, but are not totally inclusive of, all of the University core requirements for an undergraduate degree at Benedictine University.

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1. The skills core with at least a "C" in each course. This core includes WRIT-S103(3), S102(3), and SPCH 110(3). The skills core with at least a "C" in each course.

The math requirement for majors in Elementary Education (which satisfies the math requirement for the skills core) is MATH-112(4), and MATH-222(4) with grades of "C" or better. MATH 105, 108, or 110 may be used in place of MATH-112 by transfer students and students who change their major to Elementary Education if MATH-222 is completed with a grade of "C" or better. If MATH-222 is not completed with a grade of "C" or better, the student must then take both MATH-112 and 222 and earn grades of "C" or better in both courses. Transfer students can also satisfy the math requirement with approved courses for Math for Elementary Teachers I and II, 3 semester hours each, with grades of "C" or better.

2. The Arts and Humanities core, 12 semester hours, which must include a literature course (3).
3. The Natural Sciences core, 12 semester hours, which must include biological and physical science courses, one of which must be a lab course.
4. The Social Sciences core, 9 semester hours, which must include American Government PLSC-102(3), and Educational Psychology EDUC-210/PSYC 241(3).
5. Other requirements include a course in American History(3), and a multi-cultural/non-western culture course (3).

Students must also complete an additional 18 semester hours in an academic discipline that prepares them for the teaching content in the middle grades. The areas of emphasis include: Art, Language Arts/Literature, Biology, Chemistry, Physics, Mathematics, Computer Science, Spanish, History, or Social Science. The 18 semester hours must include nine hours at the 200-level or above, including at least three semester hours at the 300-level. The professional education requirements are: EDUC-200(1), 205(3), 206(0), 215(3), 240(3), 260(3), 310(3), 312(3), 315/316(3), 318(3), 320/321(3); PHED 257(2); and a three credit hour elective. (For elective options, see the Teacher Education Handbook or your Education program academic advisor.) Also, preclinical experiences require a minimum of 105 clinical hours.

Students completing the teacher certification requirements in elementary education must complete all of the above coursework plus EDUC-370, Student Teaching Elementary and Middle School(12).

Requirements for teacher certification in Secondary Education:

Students seeking certification in secondary education (Education minor) must complete the following requirements. These align with, but are not totally inclusive of, all of the University core requirements for an undergraduate degree at Benedictine University.

1. The skills core with at least a "C" in each course. This core includes WRIT-S103(3), S102(3), S110(3), and MATH-S108(3) or S105(3) or SPCH 110(3).
2. The Arts and Humanities core, 12 semester hours, which must include a literature course (3).
3. The Natural Sciences core, 9 semester hours, which must include biological and physical science courses, one of which must be a lab course.
4. The Social Sciences core, 9 semester hours, which must include American Government PLSC-102(3), and Educational Psychology EDUC-210/PSYC- 241(3).

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5. Other requirements include a course in American History(3), and a multi-cultural/non-western culture course(3).

Students must also complete an academic major outside the education division in biology, chemistry, physics, mathematics, business, English, Spanish, or social science. The major must include a minimum of 32 semester hours (NOTE: The Spanish program provides for certification in grades K-12).

The professional education requirements are: EDUC 200(1), 205(3), [206(0)], 215(3), 260(3), 310(3), Methods in the teaching field (3) with 350(0), and 353/354(3), and PHED 257(2). Also, preclinical experiences require a minimum of 105 clinical hours.

Students completing the teacher certification requirements in secondary education must complete all of the above coursework plus EDUC-371, Student Teaching-Middle/Junior and High School (12).

Requirements for teacher certification in Special Education/Learning Behavior Specialist I (LBS I):

Students majoring in Special Education/Learning Behavior Specialist I (LBS I) must complete the following requirements. These align with, but are not totally inclusive of, all of the University core requirements for an undergraduate degree at Benedictine University.

1. The skills core with at least a "C" in each course. This core includes RHET-S103(3), S102(3), and S110(3).
2. Math-112 is the required course for the LBS I program (skills core and LBS I major); with a grade of "C" or better. MATH 105, 108, or 110 may be used in place of MATH 112 by transfer students and students who change their major to LBS I with a grade of "C" or better.
3. The Arts and Humanities core, 12 semester hours, which must include a literature course(3).
4. The Natural Sciences core, 9 semester hours, which must include biological and physical science courses, one of which must be a lab course.
5. The Social Sciences core, 9 semester hours, which must include American Government PLSC-C102(3) and Educational Psychology EDUC-210(3) or PSYC-241(3).
6. Other requirements include a course in American History(3) and a multi-cultural/non-western culture course(3).

The professional education requirements are: EDUC 200(1), 205(3), [206(0)], 215(3), 240(3), 257(3), 260(3), 265(3), 270(3), 275(3), 310(3), 320/321(3), 355/356(3), 357/358(4), 360/361(3), 365/366(3); PHED 257(2); and a three credit hour elective. (For elective options, see the Teacher Education Handbook or your Education program academic advisor.) Also, preclinical experiences require a minimum of 210 clinical hours.

Students completing the teacher certification requirements in special education must complete all of the above coursework plus EDUC-372, Student Teaching-Elementary Special Education, LBS I(6) and EDUC-373, Student Teaching-Secondary Special Education, LBS I(6). The special education major entitles the student to certification under the designation "LBS I" (Learning Behavior Specialist I).

Middle-grade Endorsements:

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Students seeking an elementary or secondary certificate qualify for a middle grade endorsement by completing a minimum of 18 semester hours in the subject matter area of their disciplinary emphasis or academic major. Some areas (i.e., mathematics) also require courses in specific areas. You should check with your Education advisor in reference to this. In addition, coursework relating to early adolescent development, middle school philosophy and methodology is required. These areas are integrated into existing coursework in the elementary major and secondary minor.

Requirements - Minor:

Special Education minor:

Students enrolled in elementary or secondary education programs can elect to earn a minor in special education by completing the following courses (22 semester hours): EDUC-260(3); 310(3); 265(3) and 360/361(3) or 270(3) and 365/366(3); 257(3) and 357/358(4); and three semester hours from EDUC-265, 270, or 275 if not already completed.

Completion of the special education minor qualifies the student for an approval in special education, Learning Behavior Specialist I (LBS I). The approval will be issued to applicants who have qualified for an Initial Elementary or Secondary Teaching Certificate and is good for three years from the date of issue. In other words, the applicant has three years to complete the remaining requirements for full certification as a Learning Behavior Specialist I (LBS I) as the approval is no longer valid after three years. Also, the approval is valid for only the grade levels covered by the initial certificate.

Requirements - Other:**Teacher Education Program****Application and Matriculation:**

Candidates seeking a teaching career must have a sincere desire to teach, show intellectual promise, and display personal, professional and academic characteristics indicative of competent teachers.

The School of Education's major goal, according to its conceptual framework, is to create effective practitioners who are committed to scholarship, lifelong inquiry, leadership and social responsibility. These enduring outcomes are developed and nurtured through the curriculum. Educators develop scholarship by acquiring a breadth and depth of knowledge in the field. As scholars, they develop lifelong inquiry by immersing themselves in a process of on-going questioning and reflection that results in informed thinking and decision-making. They assume leadership roles in a variety of venues where they can affect change and improve practice. Their leadership is guided by a sense of social responsibility to create fair and equitable environments that support and enhance learning in order to maximize each individual's potential.

As candidates progress through the program they will develop an understanding of the Illinois Professional Teaching Standards, the Language Arts Standards for All Illinois Teachers, the Technology Standards for All Illinois Teachers, and the Content-Area Standards for Educators. In addition to successful completion of their course work, they will also develop a professional portfolio that demonstrates their growth in teaching

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and service to education as well as their understanding of the Illinois standards. Similarly, technology will be an integral part of their development through the use of LiveText as a part of their course work along with the preparation of their portfolio. Their preparedness to teach will also be demonstrated through passage of the Illinois Certification Testing System's (ICTS) Basic Skills Test, Content-Area Test, and Assessment of Professional Teaching Test.

Candidates desiring to enter the program for teacher education should consult with their academic advisors early in their academic career to ensure that they enroll for the appropriate courses needed for admission to teacher education. The initial courses are EDUC-200(1), Preclinical Experience, and EDUC-205(3), History and Philosophy of Education. Transfer students who have completed a course equivalent to EDUC-205 will register for EDUC-206(0), Transfer Introduction to Education Seminar (TIES). Candidates, at this time, should also take the ICTS Basic Skills Test if they have not already passed this test.

Candidates must successfully meet the requirements through six (6) checkpoints to (a) be admitted to the Teacher Education Program (TEP), (b) to maintain enrollment in the TEP, and (c) to successfully complete the program with Illinois teacher certification. A seventh checkpoint is utilized by the School of Education to follow-up with teacher candidates in their first year of teaching in reference to the Illinois Teaching Standards. This provides the SOE with valuable information for on-going assessment of the program. The seven (7) checkpoints (with their requirements) are as follows:

Checkpoint #1: Admission into the Teacher Education Program

- EDUC 205, History and Philosophy of Education. Completed with minimum grade of "C." EDUC 206, Transfer Introduction to Education Seminar, must be satisfactorily completed by applicants who transferred credit for EDUC 205.
- EDUC 200, Pre-clinical Experience. Completed with minimum grade of "C."
- Successful completion of portfolio artifacts and rationale statements for three of the Illinois Professional Teaching Standards via LiveText.
- Successful Ratings on all Professional Dispositions/Behaviors for Teacher Preparation as evidenced in EDUC 205 via LiveText.*
- Minimum Cumulative Grade Point Average of 2.5.
- Successful completion of ICTS Basic Skills Test.
- Three Supportive Letters of Recommendation.
- Background Check (clearance).
- Completion of Basic Skills Courses ("C" or higher).
- Completion of 24 semester hours of BU courses/6 semester hours for transfer students.

*Transfer students will provide evidence of professional dispositions from one methods course.

Checkpoint #2: Application to Student Teaching

- Successful completion of Pre-clinical Experiences.
- Senior Standing (90 Semester Hours).
- 2.5 Cumulative GPA.
- 2.5 in Major.
- 2.5 in Academic Major (Secondary).

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- Approved for Admission into the Teacher Education Program
- Successful Completion of Coursework (Major; 18 Semester Hour Emphasis; Education Minor (Secondary)).
- Successful completion of ICTS Content Area Test/s.
- Successful Ratings on all Professional Dispositions/Behaviors for Teacher Preparation as evidenced in all Methods courses via LiveText.
- Successful completion of portfolio artifacts for six of the Illinois Professional Teaching Standards via LiveText.

Checkpoint #3: Admission into Student Teaching

- Completion of portfolio artifacts for all eleven Illinois Professional Teaching Standards via LiveText.
- Successful completion of all requirements for Checkpoint #2.

Checkpoint #4: Completion of Student Teaching

- Successful completion of student teaching, including the presentation portfolio, with a "C" or higher.
- Presentation Portfolio includes at least 6 artifacts from student teaching via LiveText.

Checkpoint #5: Completion of Degree/Program Requirements

- Graduation Audit (no deficiencies)
- Successful completion of Checkpoint #4

Checkpoint #6: Completion of Certification Requirements*

- Successful completion of the Assessment of Professional Teaching (APT) Test
 - Successful completion of Checkpoint #5
 - Successful completion of all certification requirements
- *The candidate for a certificate must also be a U.S. citizen (or declaration of intent); be 19 years of age; no felony conviction
- Successful performance on IPT standards as assessed by first year teachers and their respective supervisor(s)

Transferring to Benedictine University:

If you are transferring to Benedictine University from an accredited teacher certification program, you should contact the Admissions Office for a review of your academic record to determine the transfer credit that may be applied toward the completion of the education degree and teacher certification program at Benedictine University.

If you are transferring from a community college, you should reference the transfer guide between Benedictine University and the particular community college. All methods courses must be taken at Benedictine University. For transfer of preclinical hours, appropriate documentation must be provided. (Consult with your Education advisor regarding this).

NOTE: The GPA used for acceptance into the teacher education program and student teaching will be based on coursework completed at Benedictine University.

Transfer students who have been awarded credit for EDUC-205(3), History and Philosophy of Education, are required to enroll in EDUC-206(0), Transfer Introduction to Education Seminar (TIES), during their first semester at Benedictine University. This seminar course meets for five sessions during the semester and serves as an introduction to the School of Education, LiveText, the portfolio process, and Illinois Teacher Certification. The State of Illinois background check is also arranged through this course.

Engineering Science

College: College of Science

Department: Physics/Engineering

Student Type: Traditional Undergraduate

Faculty:

Ralph D. Meeker, Ph.D.

Peter Nelson, Ph.D.

Philip Schreiner, Ph.D.

Andrew Wig, Ph.D.

Lecturers:

James H. Ma, M.S.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Advisor: Peter Nelson, Ph.D.

Requirements - Major:

Engineering science majors are required to complete the engineering core program: ENGR-120(2), 220(3), 264(3); MATH-C210(4) and 207(1) or 200(4), 211(4), 212(4), 260(4); PHYS-C211(4), C212(4), 213(3), C205(1), 206(1); CHEM-C113(3), C114(1), C115(1) or NTSC C151(1.5), CHEM C123(1), C124(1), or C125(1) or NTSC C152(1.5); and CMSC-C180(4) and an additional 20 semester hours of engineering coursework with grades of "C" or better.

Requirements - Other:

Pre-Engineering Transfer Program:

In this program, the student transfers to an engineering school (University of Detroit, University of Illinois, Marquette University, University of Notre Dame, etc.) at the end of the sophomore year and earns a degree from the engineering school after two additional years of work.

Requirements for Pre-Engineering transfer students:

Students are normally required to successfully complete 60 semester hours of course work before an engineering school will allow them to transfer into one of its programs. For most engineering programs, these 60 hours would include the following courses:

PHYS-C211(4), C212(4), 213(3), C205(1), 206(1); MATH-C210(4) and 207(1) or 200(4), 211(4), 212(4), 260(4); CHEM-C113(3), C114(1), C123(3), C124(1); ENGR-120(2), 220(3), 221(3); CMSC-C180(4); WRIT S102(3) and six semester hours of social science electives.

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Engineering Science major program:

The second program offered in Engineering Science is often referred to as a 3+2 program because the student spends three years at Benedictine completing all of the general education requirements and engineering courses, then transfers to the engineering school to complete the engineering program in two additional years. Two degrees are earned: a Bachelor of Arts with a major in engineering science from Benedictine University and an undergraduate engineering degree in a particular field from the engineering school. Work completed at the engineering school is counted toward the Bachelor of Arts degree which is normally conferred at the end of the fourth year in the program (the first at the engineering school).

Other Information:**Benedictine University IIT Joint Engineering Program**

Program Liaison: Peter Nelson, Ph.D

Benedictine University and Illinois Institute of Technology have established a program to offer students the opportunity to take advantage of the strengths of both schools en route to an engineering degree. But unlike most cooperative engineering programs, this one allows a student to be enrolled at Benedictine and IIT at the same time.

In this program, students take humanities, social science, basic sciences and math courses at Benedictine University in Lisle, while taking engineering courses at IIT's downtown Chicago campus. Upon graduation in five years, the student is awarded an engineering degree from IIT and a bachelor of arts degree in engineering science or a bachelor of science in computer science (in conjunction with the computer engineering program) from Benedictine University.

A resident student can remain on campus during his/her entire university career. He/she will maintain one grade-point average throughout the entire joint program. He/she may also participate in student activities and use all the facilities at both schools. Students may earn engineering degrees in the five year program in the following areas:

- Electrical Engineering
- Computer Engineering
- Mechanical Engineering
- Aeronautical Engineering
- Environmental Engineering
- Civil Engineering
- Chemical Engineering
- Architectural Engineering

English Language and Literature

College: College of Liberal Arts

Department: Language and Literature

Student Type: Traditional Undergraduate

Faculty:

Zubair Amir, Ph.D.

Wilson Chen, Ph.D.

Elizabeth Kubek, Ph.D., Department Chair

Objectives:

Courses in English Language and Literature are designed to:

1. Introduce students to close reading and analysis of the literary and cultural texts that shape our society;
2. Develop students' ability to understand complex ideas and create clear, effective critical arguments, both orally and on paper;
3. Train students in the use of advanced communicative and creative technologies;
4. Develop aesthetic, ethical and critical skills through reading, writing and discussion;
5. Provide opportunities and skills for research in traditional and electronic media;
6. Make use of proven instructional techniques, such as active learning and process-oriented writing;
7. Encourage students to develop collaborative, interpersonal and persuasive skills by working closely with faculty and each other;
8. Provide focused training for careers in education, writing or other areas requiring communications skills; and
9. Prepare students for graduate school and/or professional careers by covering both traditional and contemporary approaches to texts, writing and research.

Goals of the English Language and Literature major:

The program is designed to:

1. Develop an appreciation and understanding of literature in English and in translation;
2. Provide experience in reading significant writers, periods, genres and literary traditions in cultural context;
3. Teach strategies and methodologies for interpreting literary texts; and
4. Emphasize the vital and dynamic role of the literary imagination in cultures.

Requirements - Major:

English Language and Literature majors must complete at least 39 hours within the program, with a grade of "C" or better, including LITR-100(3); three courses designated pre-1800 by the Department (9); three courses designated post-1800 by the Department (9); one "diversity" LITR course, as designated by the Department; and LITR 399 (3). Of the 39 hours, at least 15 must be at the 300 level.

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English Language and Literature majors are required to demonstrate competency in a second language by completion of at least one language course at the 202 level.

English Language and Literature majors who have a minor in Secondary Education must complete at least 39 credit hours within the program, with a grade of "C" or better, including: LITR 100 (3); the American Literature Sequence, LITR 255/256 (6); two additional courses designated pre-1800 by the Department (6); two additional courses designated post-1800 by the Department (6); LITR 307 (3), LITR 322 (3), LITR 352(3), one "diversity" LITR course designated by the department and LITR 399 (3). Of the 39 program credit hours for these majors, 21 must be at the 300-level. LITR-100 is the prerequisite for most 300 level courses. Through working with advisors, majors will be guided through the selection of courses both within and outside other program in order to plan a program of study in their individual educational and career goals.

English Language and Literature major for pre-law students:

While stating that no single major is recommended for admission to law school, the "Statement on Prelegal Education of the Association of American Law Schools" emphasizes the absolute necessity for the "need to master, at the undergraduate level, advanced writing skills and effective oral communication. Lawyers must be able, in drafting instruments, to convey meaning clearly and effectively. In oral and written advocacy he or she must be capable of communicating ideas convincingly and concisely. Truly, the law-trained man or woman, to perform effectively the tasks expected, must be a precisionist in the use of language."

Students interested in law school who choose English Language and Literature as a major are advised to take, in addition to their major requirements, the following courses, many of which may be applicable to divisional core requirements: PHIL-C260 or C355(3) and a history course; ECON-C101(3), ACCT-111(4), PLSC-202(3), MGT-150(3), CMSC-C120(3), BIOL-C108(3), and BCHM-C100(3).

Requirements - Minor:

A minor consists of at least 21 hours of courses with a grade of "C" or better, including LITR-100(3); one course from C255(3), C256(3), C257(3) or C258(3); and six credit hours at the 300 level.

Requirements - Teaching Certification:

Students desiring to be certified to teach English at the secondary level (grades 6-12) are to declare themselves as literature majors and education minors and register with the education program as teaching certificate candidates. Advising is then a joint responsibility of the literature and the education programs.

Students must complete the requirements for a major in literature as well as the requirements of the Teacher Certification Program in Secondary Education, which includes an education minor (see Education).

Students who desire a teaching minor in English should consult with the Education program to plan their program of studies for certification.

Requirements - Other:

Advanced Courses in English Language and Literature:

Where appropriate, pre-requisites for 300-level LITR courses may be waived, with permission of instructor

and departmental approval. Students seeking waiver of a pre-requisite should consult their advisor for details. Waiver of a pre-requisite (i.e. LITR 100) for any one 300-level course does not constitute a waiver of pre-requisites for any other course, or of any course requirement for the major or minor.

Selected 200-level LITR courses will periodically be offered in a special format designed for English Language and Literature majors and minors (MMO format). Registration for these sections is restricted to include only majors and minors in English Language and Literature and, in some cases (to be indicated in the Semester Course Schedule), in appropriate cognate programs as approved by the department for that course (i.e. Gender Studies, Education, Communications, Film Studies). It is strongly recommended that English Language and Literature majors and minors enroll for MMO sections whenever these are available. In semesters where a particular course is offered in both MMO and regular formats, English Language and Literature majors and minors (and other eligible students, as above) will not be eligible to enroll in the non-MMO section.

Departmental Distinction:

Students majoring in English Language and Literature or Spanish in the Department of Languages and Literature who meet the following criteria may apply for Departmental Distinction:

1. GPA in the major of 3.5 or higher,
2. Overall GPA of 3.25 or higher,
3. Successful completion of senior thesis,
4. Oral presentation of a paper at either a regional undergraduate conference or a colloquium sponsored by the department,
5. Active participation in department activities (e.g. Help organize and attend presentations by invited speakers, off-campus events, and Open Mic sessions, write for and/or work on Different Voices or Quantum Pulp, help organize and run initiation ceremonies for honor societies, etc.), and
6. At least 25 hours of community service related to the field (e.g. Tutoring in the ARC, community literacy volunteer, work at an area social agency serving the Hispanic community, etc.). Students interested in working towards Departmental Distinction should speak with their advisor and contact the Chair of the Department of Languages and Literature as early as possible in their academic career. Students must apply for Departmental Honors during the semester BEFORE the semester in which they plan to graduate (October of February).

English Honor Society:

Benedictine University sponsors the Alpha Theta Xi chapter of Sigma Tau Delta, the International English Honor Society. An initiation ceremony for eligible students is held each spring. Entrance requirements include: 1) a major or minor in English Language and Literature, 2) a grade of "C" or better in Litr 100, Introduction to Literary Analysis and three English Language and Literature courses at the 200/300 level, 3) a cumulative grade point average of 3.2 or higher in the major/minor, 4) a cumulative grade point average of 3.0 or higher in general scholarship, 5) three semesters or five quarters of college course work, and 6) undergraduate or graduate standing. Interested students should contact the department chair or an English Language and Literature faculty member for additional information.

Environmental Science

College: College of Science

Department: Biological Science

Student Type: Traditional Undergraduate

Faculty:

Preston Aldrich, Ph.D.

Philip Novack-Gottshall, Ph.D.

Laura Gruss, Ph.D.

Cheryl A. Heinz, Ph.D.

Lawrence F. Kamin, Ph.D.

Alfred R. Martin, Ph.D.

John Mickus, Ph.D.

Robin Pals-Rylaarsdam, Ph.D.

Lee Ann Smith, Ph.D.

Rev. Theodore D. Suchy, O.S.B., M.S. Curator, Jurica-Suchy Nature Museum

Donald B. Taylor, Ph.D.

Monica Lee Tischler, Ph.D.

Allison K. Wilson, Ph.D., Chair, Biological Sciences

Objectives:

Students who complete the Environmental Science program will:

1. Have a solid, multidisciplinary understanding of environmental problems and solutions;
2. Be able to integrate the many different aspects of environmental science and relate the underlying scientific theory to how environmental considerations affect our everyday lives;
3. Have an understanding of the principles (natural science) and practice (for example-economic, political, ethical, historical) of environmental problems;
4. Have developed critical reasoning and communication (written and oral) skills.
5. Be able to use current technologies to find information, identify appropriate strategies and select proper tools to address problems; and
6. Have earned OSHA HAZWOPER certification.

Requirements - Major:

Majors must complete the major core courses with a grade of "C" or better: BIOL-197(3), 198(3), 199(1); CHEM-C113(3), C114(1), C123(3), C124(1), 242(3), 243(1), 247(3), 248(1); PHYS-C113(3), C114(1), C118(3), 119(1); BIOL-363(3); ENVS-205(3), 210(1), 398(2). The student must also complete with a grade of "C" or better: BIOL-229(3), 364(1), 204(4), 256(3) or 258(3); MATH-111(3); philosophy ethics and three upper level science electives at the 200 level or above, including one at the 300 level. Science electives must be approved by the program director. We encourage students to further their learning by assisting in labs. However, only two credits in Biol 292 will count towards the environmental science major.

A student may have only one major in the biochemistry/molecular biology, biology, environmental science, and health science programs.

Environmental Studies Certificate

College: College of Liberal Arts

Department: Other Liberal Arts

Student Type: Traditional Undergraduate

Faculty: Jean-Marie Kauth, Ph.D. and other regular and adjunct faculty in all colleges

Objectives:

The Certificate in Environmental Studies is intended for students who have an interest in the environment or who wish to combine environmental studies with some other major or minor. The certificate will be noted on official and unofficial transcripts.

Requirements - Other:

The Certificate in Environmental Studies will entail successfully completing at least 12 credit hours of coursework in environmental-related courses from the attached list. All courses must be completed at Benedictine University. Courses from at least two different colleges must be included among the 12 credits. Only courses in which a student has received a grade of "C" or better may be applied to the certificate. Any credit completed for the certificate may be applied to fulfill core major or minor requirements.

Approved courses:

ANTH 309-when dedicated to an environmental theme, BCHM C100, BIOL 180, BIOL C191A, BIOL 205, BIOL 281-when dedicated to an environmental theme, BIOL 363, BIOL WI364, BIOL WI391, BIOL WI391, ENVS 398, GEOG 106-when dedicated to an environmental theme, GLBS WI 102-when dedicated to an environmental theme, HUMN WI250-when dedicated to an environmental theme, LITR C291/391-when dedicated to an environmental theme, LITR 381/GENS 100-when dedicated to an environmental theme, NTSC C210, PHIL C248-when dedicated to an environmental theme, PLSC 210-when dedicated to an environmental theme, PLSC C215-when dedicated to an environmental theme, RELS C140-when dedicated to an environmental theme, RELS C191-when dedicated to an environmental theme, SOCL 240-when dedicated to an environmental theme, SOCL 350-when dedicated to an environmental theme, THEO C104-when dedicated to an environmental theme.

Film Studies (Minor Only)

College: College of Liberal Arts

Department: Communication

Student Type: Traditional Undergraduate

Faculty:

Elizabeth Kubek, Ph.D.

Jonathan Lewis, Ph.D.

Luigi Manca, Ph.D.

Peter B. Seely, M.A.

Advisor: Peter B. Seely, M.A.

Objectives:

The minor in film studies is designed to:

1. Underscore the cultural importance of narrative film in modern life;
2. Teach students how to interpret film from a variety of historical, cultural and theoretical perspectives;
3. Help students to analyze how meanings are created through representational devices inherent in film; and
4. Develop a pre-professional foundation (in criticism or production) for students who plan to complete advanced studies in film at other universities offering graduate degrees in film studies.

Requirements - Minor:

Film studies minors must complete 21 hours of courses in the field with a grade of "C" or better. At least 12 hours of course work must be completed on the campus of Benedictine University. Students minoring in film studies must complete the following requirements: two of the following three courses that take an historical approach to film: COMM-C250(3), C251(3), C256(3); three of the following genre oriented courses: COMM-291(3), 295(3); FREN-291(3); LITR-C210(3), 291(3); PSYC-291(3), 292(3); PLSC-291(3); two critical theory/applied studies courses selected from the following: COMM-316(3); LITR-305(3); SOCL-253 or 353(3); or other theoretical courses with a strong focus on films not currently listed in this undergraduate catalog.

Finance

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate and Adult Accelerated Undergraduate

Faculty:

Jane Crabtree, Ph. D.

Charles L. Gahala, M.B.A., Ed.D., C.C.E.

Donald Henschel, M.B.A., C.P.A.

Nona Jones, Ph.D.

Soyon Lee, Ph.D., C.P.A.

Isobel Lobo, Ph.D.

Jeffrey Madura, M.B.A., C.P.A.

James Zoda, Ph.D.

Vicki Jobst, M.B.A., C.P.A.

Objectives:

This program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to the various aspects of the functional areas of business.

This program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. The principles pertinent to all of the functional areas of business, accounting, finance, management and marketing, in an integrated manner and with adequate focus on their international aspects; and
4. Corporate finance, banking and investments.

The finance major is designed so that the entire degree is available through day classes. The finance major is also offered in time periods and formats that are designed for the needs of adult learners, offered through evening and weekend classes.

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Requirements - Major:

Finance majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics, MATH-S105(3) or S110(3) and C115 (3). All business majors must complete CMSC-180 and either CMSC-181 or 183, depending upon the student's background. CMSC-181 should be taken by students who believe they already have a background in the Office Suite. CMSC-183 is recommended for those students who need to develop skills using the Office Suite. ACCT 310 may be substituted for CIS/CMSC 180, 181/183, with advisor approval.

Majors must complete each of the business core courses with a "C" or better: ACCT-111(3), 112(3); ECON-C101(3), C102(3); FINA-300(3); MKTG-300(3), MGT-150(3), 251(3), and C300(3).

Majors must complete with a "C" or better: FINA-310(3), 320(3), 380(3), three courses from among ECON-202(3), FINA-C220(3), 360(3), 370(3), MKTG-380(3), ACCT-211(3), 212(3), 310(3), 312(3), MATH-370, MGT-235 with at least one FINA prefixed course from the preceding list.

Students in the Second Major Program that is housed outside of the department must complete the ethics, mathematics and computer science requirements of the first paragraph above and all of the requirements of the second and third paragraphs above.

CLEP, life experience, work experience, internships, advance placement and other external credit do not substitute for upper-level (300) courses.

Finance majors who elect to earn a second major in the Undergraduate Business Department must complete unique "specialization courses" for the second business major. Specialization courses may only be used to satisfy the requirements for one business major.

Requirements - Minor:

Only courses in which a student has received a "C" or better may be applied to the minor. Students are limited to one minor in the accounting, business and economics, economics, finance, international business and economics, management and organizational behavior, and marketing programs. Students (except BAM students) seeking a minor in finance must complete with a grade of "C" or better 21 semester hours which must include ECON-C101(3), C102(3); ACCT-111(3), 112(3); FINA-300(3); and at least two 300-level courses in finance. A BAM student seeking a minor in Finance must complete with a grade of "C" or better the following courses and their prerequisites: FINA 300, FINA 310, FINA 320, FINA 380, and any two courses from ACCT 211 and ACCT 212 (for a Financial Analysts' emphasis) or FINA 370 and ECON 202 (for a banking emphasis). A student who majors in Finance may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in either Sports Management or Sports Marketing are available in combination with this major. Requirements listed below must be completed with a "C" or higher

SPORTS MANAGEMENT CONCENTRATION: MGT-305, MKTG-305 and two courses from MGT-235, 297, 301.

SPORTS MARKETING CONCENTRATION: MKTG-305, MGT-305 and two courses from MKTG-297, 330, INTB-385.

Fine Arts

College: College of Liberal Arts

Department: Communication

Student Type: Undergraduate

Faculty: William Scarlato, M.F.A.

Lecturers:

Charles Boone, M.F.A.

Beth House, B.F.A.E.

Rev. Michael E. Komechak, O.S.B., M.A.-Curator of the Art Collection

Teresa Parker, M.F.A.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

Benedictine University and The College of DuPage have established a program to offer students receiving an Associate of Fine Arts degree at The College of DuPage the opportunity to attain a Bachelor of Fine Arts, through the completion of an additional two years of study at Benedictine University.

Students will take many basic skills, Humanities, Math and Sciences courses along with Art History and Studio courses at the College of DuPage, Glen Ellyn, Illinois before entering Benedictine University. Upon completion of the Associate of Fine Arts degree, students may enter the Benedictine University Bachelor of Fine Arts program where core courses and advanced art courses must be completed. Several of the required upper level Benedictine University courses will be completed on the College of DuPage campus.

The program will allow students to:

1. Engage in the intellectual and spiritual discovery of the self through a chosen medium;
2. Benefit from the knowledge and experiences of both Benedictine University and College of DuPage faculty;
3. Learn from a variety of philosophical and stylistic approaches to contemporary art;
4. Appreciate the combination of professional training of the visual arts and the analytical depth and breadth of a rigorous liberal arts curriculum;
5. Prepare for continued study in an MFA program of their choosing and;
6. Prepare for an exhibition career and the life of an artist.

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Requirements - Major:

Please refer to the 2007-2008 undergraduate catalog addendum for specific program requirements.

Requirements - Minor:

The University offers a minor in fine arts with a requirement of 21 hours of credit, with a grade of "C" or better. Required courses for a minor in Fine Arts are: FNAR-C101(3), C111(3), C203(3), C204(3), and two studio arts electives (3), and one 300 level fine arts course in printmaking or painting. Students are advised to take the courses in sequence, beginning with FNAR-C101.

Gender Studies (Minor Only)

College: College of Liberal Arts

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Advisor: Elizabeth Kubek, Ph.D.

Objectives:

This program is designed to:

1. Provide courses from a range of disciplines focused on the construction of gender and categories of men and women in social, historical, political, cultural and economic contexts;
2. Promote diverse ways of experiencing and interpreting the range of issues and conflicts arising from the complex interrelations between gender and society; and
3. Address the interconnection of gender, race, class, ethnicity and religion as constructs through which differences appear in various institutions and societies.

Requirements - Minor:

A minor in gender studies consists of at least 21 hours of courses completed with a "C" or better from designated gender studies courses including GENS-100(3). At least 12 credit hours at the 200-level or above, including at least three credit hours at Benedictine at the 300-level must also be completed.

In addition to GENS-100(3), Introduction to Gender Studies, other courses in the minor program are as follows:

ANTH-212(3), Personality and Culture
BIOL-150(3), Biology of Women
COMM-290(3), Images of Men and Women in the Mass Media
HIST-260(3), Women in American Society
HIST-291(3), Topics: Comparative Women's History
LITR-C281(3), Gender and Literature
LITR-305(3), Critical Theory
LITR-360(3), Modern Poetry
LITR-362(3), Modern Fiction
LITR-381(3), Theories of Gender in Literary Analysis
PSYC-292(3), Psychology of Horror Film
PSYC-312(3), Cerebral Effects on Consciousness
SOCL-234(3), Sociology of Sport
SOCL-270(3), Marriage and the Family
SPAN-395(3), Women in Latin American/Spanish Literature

Global Studies

College: College of Liberal Arts

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Faculty:

Vincent Gaddis, Ph.D., History

Wilson Chen, Ph.D., Literature

Christine Isom-Verhaaren, Ph.D., History

Fannie Rushing, Ph.D., History

Beth Vinkler, Ph.D., Foreign Languages

Juaquin Montero, Ph.D., Foreign Languages

Objectives:

Global Studies is an interdisciplinary field that examines the forces that tie the world together. This involves analysis of the global connections of the past and also careful attention to how these connections developed and changed over the centuries in response to economic and technological innovations. Recognizing pre-national, national, and post-national historical conditions, Global Studies focuses on the social, economic, cultural, and political processes that link disparate regions and localities to one another.

Students in this major will learn:

1. The social, economic, historical, cultural and intellectual traditions that inform various regions of the globe;
2. How to live, work, and participate in the interrelated and interdependent world of the twenty-first century;
3. How to apply disciplinary methodologies of analysis and research in global studies in their quantitative and qualitative dimensions;
4. How to communicate within and across academic disciplines and cultures;
5. How to confront moral and ethical issues facing the global community to develop a clear understanding of, and commitment to, personal values and beneficial change;
6. How to think critically about the tension between globalizing forces and those that promote regional and cultural identity.

A major in Global Studies will prepare students for a career in law, government service, work with NGOs, or a career in diplomacy, foreign service, or international business. The major is an excellent preparation for graduate and professional schools as well.

Requirements - Major:

The Global Studies major allows students to choose one of four areas of concentration: Latin American, American, Middle East or Mediterranean studies. Core elective courses from the program also count toward the major. Students must complete 36 hours with the major and 12 hours foreign language. Students must

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complete 36 hours outside of core electives with a grade of "C" or better with at least 9 hours at the 300 level. Core elective courses listed are recommended. INTB C101 OR ECON C101; RELS C285, C130, C140; PHIL C230; PLS C210; ANTH C208; MUSIC C207.

AMERICAN STUDIES CONCENTRATION:

In addition to the university skills and core requirements, students must complete the following courses with a grade of "C" or better: GLBS-101, 102, 300, 399, INTB-C101 or ECON-C101, GEOG-106, HIST-111, 112, 265, LITR-255, RELS-285, PHIL-230, AMS-200, AMS-300, PLSC-C210 or ECON-C102. Two(2) one in literature 300-level elective (from HIST-360, 364, 367, 380, LITR-364) and SPAN-101, 102, 201, 202. A study abroad experience is also required.

LATIN AMERICAN STUDIES CONCENTRATION: In addition to the university skills and core requirements, students must complete the following courses with a grade of "C" or better: GLBS-101, 102, 300, 399, INTB-C101 or ECON-C101, HIST 212/313, 213/313, 214/314, 215/315, GEOG-106, ANTH-C208, ANTH-238 or ECON-C102, LITR-264 or SPAN-221, MUSI-C207, RELS-140, two(2)300-level elective or SPAN-310, SPAN-101, 102, 201, 202. A study abroad experience is also required.

MEDITERRANEAN STUDIES CONCENTRATION: In addition to the university skills and core requirements, students must complete the following courses with a grade of "C" or better: GLBS-101, 102, 300, 399, INTB-C101 or ECON-C101, GEOG-106, RELS-130, ANTH-208, PHIL-320, MUSI-C207, LITR-264, HIST-291, 295, 296 or 252, PLSC-C210 or ECON-C102, two(2)300-level elective (from HIST-360, 364, 367, LITR-380, 364) and SPAN-101, 102, 201, 202. A study abroad experience is also required.

MIDDLE EAST STUDIES CONCENTRATION: In addition to the university skills and core requirements, students must complete the following courses with a grade of "C" or better: GLBS-101, 102, 300, 399, INTB-C101 or ECON-C101, GEOG-106, HIST-250, 251, 252, RELS-130, ANTH-208, PHIL-320, MUSI-207, LITR-264, PLSC-C210 or ECON-C102, two(2)300-level elective, one elective from HIST-357, 353, 354, LITR-391, RELS-170, 230, 235; and ARAB-101, 102, 201, 202. A study abroad experience is also required.

Requirements - Minor:

Requirements for Minor 21 hours. GLBS 101, 102, 300 plus 12 hours within area concentration, three of which must be at the 300 level.

Graphic Arts and Design

College: College of Liberal Arts

Department: Communication Arts/Fine Arts

Student Type: Traditional Undergraduate

Faculty:

Christopher Birks, M.A.

Luigi Manca, Ph.D.

Teresa Parker, M.F.A.

William Scarlato, M.F.A.

Instructors:

Vincent Lucarelli

David Marcet

Jennifer Scavone

Objectives:

The goals of the program reflect the Liberal Arts tradition of Benedictine University, the two disciplines of Communication Arts and Fine Arts, and a most adequate facility to realize our goals in.

All students will

Major Requirements:

Graphic Arts and Design major must complete each of the following courses with a grade of “C” or better: FNAR-101(3), FNAR-111(3), FNAR-203(3), FNAR-204(3), FNAR-205(3), FNAR-240(3), FNAR-260(3), FNAR-261(3), FNAR-292(3), FNAR-293(3), FNAR-300(3), COMM-208(3), COMM-297(2), COMM-353(3), COMM-381(3), COMM-393(3), 3 hours in a three dimensional course, and one of the following – FNAR-240(3), FNAR-241(3), FNAR-242(3), FNAR-243(3), or FNAR-250(3). In addition, major must complete six hours in a modern language.

Health Science

College: College of Science

Department: Biological Science

Student Type: Traditional Undergraduate

Faculty:

Preston Aldrich, Ph.D.

Philip Novack-Gottshall, Ph.D.

Laura Gruss, Ph.D.

Cheryl Heinz, Ph.D.

Lawrence F. Kamin, Ph.D.

Alfred R. Martin, Ph.D.

John Mickus, Ph.D.

Robin Pals-Rylaarsdam, Ph.D.

Alice N. Sima, R.N., M.S.N., M.B.A., Director, Pre-Professional Health Programs

LeeAnn Smith, Ph.D.

Rev. Theodore D. Suchy, O.S.B., M.S., Curator, Jurica-Suchy Nature Museum

Donald B. Taylor, Ph.D.

Monica Lee Tischler, Ph.D.

Allison K. Wilson, Ph.D., Chair, Biological Sciences; Interim Director, Clinical Exercise Physiology Program

Lab Coordinator:

William Carvell, Ph.D.

Lecturers:

Jason Adams, M.S.

Christine Beatty, Ph.D.

Jesse Biehl, Ph.D.

Pat Blaney, D.D.S.

William Carvell Ph.D.

Vandana Chinwalla, Ph.D.

William Chura, Ph.D.

Thomas Cornwell, M.D.

Dominic Costabile, D.O.

Jennifer Ellsworth, M.S.

Abigail Derby, Ph.D.

Philip DuPont, M.D. Ph.D.

Peter Gallos, D.D.S.

Kathryn Kennedy, D.D.S.

Christine Klimas, M.S.

Tom Knutson, M.S.

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Sharon Luckhardt, O.D.
David Maze, O.D.
Daniel Olson, Ed.D.
Scott Padalik, M.D.
David Piazza, M.D.
Leonard Piazza, M.D.
Mark Poch, Ph.D.
Joseph Podojil, Ph.D.
Roli Prasad, Ph.D.
Terrence Puryear, Ph.D.
Stephen Rowley, M.D.
Aaron Saikin, M.S.
Jeffery Samburg, M.S. CES
Jayashree Sarathy, Ph.D.
Brian Saso, M.S.
Nancy Schubert, D.O.
Regina Schurman, M.S., RCEP, CPA
Anne Marie Smith, M.S.
JohnEric Smith, Ph.D.
Veronica Stellmach, Ph.D.
Greg Stevens, D.M.D.
Robert Townsend, M.S.
Paula Tomczak, Ph.D.
Marjorie VanderWagen, M.S.
Daryl Wilson, M.D.
Dave Zanghi, M.S., MBA, ATC/L, CSCS, FFACVPR

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

The program for majors in health science offers:

1. Students, who are interested in health-related careers, the freedom and flexibility to design a curriculum in advanced science courses which are appropriate to their interests;
2. Clinical experience for academic credit, in one or two health science specialties; and
3. Exposure to advisors and faculty who are both basic scientists and health care specialists.

The Health Science degree program is designed to:

1. Prepare students for professional study in medicine, dentistry, veterinary medicine, other biomedical specialties and related health careers;
2. Expose students to current biological issues within a liberal arts context;

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3. Introduce the range of biological levels of organization - from molecular and cellular biology to systemic biology; and
4. Integrate physical, chemical and mathematical principles in the study of biological systems.

Requirements - Major:

The minimum Health Science major consists of 68 semester hours of coursework completed with grades of "C" or better. The health science major must complete: BIOL-C197(3), C198(3), C199(1), 203(4), 208(4), 250(3), 258(4), 340(3) CHEM-C113(3), C114(1), C123(3), C124(1), 242(3), 243(1), 247(3), 248(1); PHYS-C113(3), C114(1), C118(3), 119(1); MATH-111(3) or proficiency in MATH 111 or higher; BCHM-261(3) or 361(3); twelve hours of natural science electives including five hours at the 300 level. Research (Biol 389) does not count towards the 300 level requirement. BCHM 361 is considered a 300-level course but not a science elective in this major. All health science majors are required to take the capstone writing intensive course, BIOL 393(1).

Practicum is considered a science elective and is strongly encouraged for students intending to attend professional schools. Approved Nutrition electives are: NUTR-200(3) or 241(3), 341(3), 345 (3), 371(4) and selected 390(1-3). We encourage students to further their learning by assisting in labs. However, only two credits in BIOL 292, CHEM 295 and PHYS 296 will count towards the Health Science major.

A student majoring in Health Science may only earn one major in the biochemistry/molecular biology, biology, chemistry, environmental science, health science, physics and medical humanities programs.

Requirements - Other:

The 4+1 program offers a Bachelor of Science degree in Health Science in four years of full-time study and a Master of Science degree in Clinical Exercise Physiology (MCEP) after just one additional year of graduate work.

In addition to the University requirements, the student in this 4+1 program must complete with a grade of "C" or better: BCHM 261 (3); BIOL- C197(3), 198(3), 199(1), 203 (4), 229 (3), 258 (4), 358 (3) 368 (3); CHEM- C113 (3), 114 (1), 123 (3), 124 (1), 242 (3), 243 (1), 247 (3), 248 (1); HLSC- 321 (1), 322 (1), 360 (3), 361 (3), WI380 (2), 390 (2), 392 (3); Math 111 (3); NUTR 241 or 200; PHYS- 113 (3), 114 (1), 118 (3), 119 (1), and an ethics course (PHIL core).

Admission to the graduate part of the program (last year of undergraduate courses) is not automatic. A GPA of 3.2/4.0 and application to the director of the MCEP program is required for admission consideration.

History

College: College of Liberal Arts

Department: History, Philosophy and Religious Studies

Student Type: Traditional Undergraduate

Faculty:

Vincent Gaddis, Ph.D.

Susan Mikula, Ph.D.

Fannie Rushing, Ph.D.

Lecturers: Christine Isom-Verhaaren, Ph.D.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

History is a vital part of any liberal arts education, providing students with a perspective of events that have shaped the contemporary world. The study of history also develops practical skills. At Benedictine University, history students learn how to conduct research, write clearly and persuasively, think logically, and read documents critically. Students completing the history program are well prepared to apply to professional schools, tackle advanced study in areas such as law, business, or history, and work in almost any career.

Courses in history are designed to:

1. Provide you with an opportunity to understand humanity by studying its experiences;
2. Encourage you to analyze the systems of ideas and institutions developed over the centuries; and
3. Offer you a historical perspective in dealing with contemporary social problems.

The program for majors in history is designed to:

1. Develop your understanding of western civilization, both European and American;
2. Provide you with an acquaintance with non-Western areas of the world;
3. Expose you to the richness and vigor of conflicting viewpoints on historical questions;
4. Develop critical skills of analysis, evaluation and synthesis;
5. Develop your research, organization and writing abilities; and
6. Develop your own personal philosophy of history.

Requirements - Major:

Students majoring in history must complete at least 36 hours in this field with a grade of "C" or better. At least 24 semester hours must be at the 200-level or above, of which at least nine semester hours must be at

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the 300-level. The 36 hours must include HIST-111(3), 112(3), 203(3), 240(3) and 399(3). In the hours above 203(3), students must take at least one course each in American, European and non-Western history. History majors are required to demonstrate competency in a foreign language by completion of at least one foreign language course at or above the 202 level. History majors must take HUMN-220(3), 230(3) and 250(3) in the Cultural Heritage core. Transfer students must take HUMN-240(3) and 250(3) as CORE and substitute HIST-101(3), or equivalent, for HIST-240(3).

History major for pre-law students:

There is no single major that is either required or recommended for admission to law school, according to the "Statement on Pre-legal Education of the Association of American Law Schools." Instead, that statement recommends an education for: "comprehension and expression in words; critical understanding of the human institutions and values with which the law deals; and, creative power in thinking." The American Bar Association issued, in 1980, a report on Law Schools and Professional Education in which it applied the above skills to various areas of the university curriculum. In applying them to history, the report stated that: "A separate, distinct justification for the study of history is sometimes offered. Law students often encounter concepts that are intelligible only in terms of their historical roots." If you are interested in law school and choose history as a major you are advised to take as your advanced history electives: HIST-223(3) and 253(3). The following courses are strongly recommended: ECON-C101(3), ACCT-111(3) and a statistics course.

Requirements - Minor:

A minor in history consists of at least 21 hours of courses completed with a "C" or better from history courses. At least 12 semester hours must be at the 300-level. Students must complete HIST-111(3), 112(3), and 203(3).

Requirements - Teaching Certification:

If you desire to be certified to teach history at the secondary level (grades 6-12), you are ordinarily required to major in social science with a history concentration. See the program requirements under the social science major. You must also complete the Teacher Certification Program in Secondary Education which includes an education minor, described in the education section.

International Business and Economics

College: College of Business

Department: International Business, Economics and Anthropology

Student Type: Traditional Undergraduate

Faculty:

J. Timothy Goines, Ph.D.

Soyon Lee, Ph.D., C.P.A.

Isobel Lobo, Ph.D.

Jack Thornburg, Ph.D.

Objectives:

The program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of different cultures;
2. Articulate how the functional areas of business interrelate within multi-national organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations;
4. Develop specific skills applicable to the various aspects of the functional areas of business; and
5. Show how culture influences business attitudes and behaviors.

The program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business and international business related fields.

All students in these programs will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. The principles pertinent to all of the functional areas of business, accounting, finance, management and marketing, in an integrated manner and with adequate focus on the international aspects of each; and
4. The study and appreciation of international cultural backgrounds and in the skills needed for international business.

Anthropology courses are offered as a service to fulfill requirements of the International Business and Economics Program, and to broaden the range of social science available to other interested students.

IBE Degree Requirements for study abroad:

Objectives-To ensure an international experience for International Business and Economics majors, the IBE degree will require students to participate in a study abroad (short-term faculty led, semester or yearlong).

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Student Learning Outcomes: To obtain a firsthand look at the topics that affect and are affected by international business and economics.

Requirements - Major:

International business and economics majors must complete the university core requirements. Majors in this program must also complete MATH C115 (3). In addition, majors must complete with a grade of "C" or better the following courses some of which fulfill core requirements: at least 18 hours of modern language and/or cultural studies*, 3 hours of history*, 6 hours of political science*, 3 hours of anthropology/sociology*, and ECON C101 (3) and C102 (3). In addition, the following program courses must be completed with a grade of "C" or better: MGT 150 (3), ECON 202 (3), ACCT 111 (3), INTB 380 (3); and at least four 300-level INTB courses, one of which can be substituted by a course in ECON, FINA, MGT or MKTG with the consent of the department chair.

(*These courses must have an international focus and be approved by the program faculty.)

CLEP, life experience, work experience, and advanced placement do not substitute for upper level (300) courses.

An internship may substitute for one 300-level course with the approval of the department chair.

A student may have only one major in the accounting, business and economics, economics, finance, health administration, international business and economics, management and organizational behavior, and marketing programs.

The international business and economics major may elect to minor in accounting, business and economics, economics, finance, health administration, management and organizational behavior, or marketing. Please see program requirement for each of these minors.

Requirements - Minor:

Students seeking a minor in international business and economics must complete with a grade of "C" or better 24 semester hours which must include ECON-C101(3), C102(3), and either 202(3) or INTB 380; and at least two 300-level courses in international business and economics; one anthropology course*; and one political science course*.

(*These courses must have an international focus and be approved by the program faculty.)

Students with majors in accounting, business and economics, economics, finance, management and organizational behavior, and marketing seeking the international business and economics minor must complete, with a grade of "C" or better: three 300-level courses in international business and economics beyond the requirements for the major program, and two courses from cultural studies, international political science or international history beyond core requirements.

Requirements - Other:

The study abroad experience may be a short-term, faculty-led study tour, a semester abroad at a foreign university, or a business internship abroad.

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Other Information:

The international business and economics major is designed so that the entire degree is available through day classes. The international business and economics major is also offered in time periods and formats that are designed for the needs of adult learners, offered through evening and weekend classes.

What does a major in international business and economics at Benedictine University offer?

The international business and economics major offers you a combination liberal arts and business education with an international focus. When you major in international business and economics at Benedictine University, you will:

Become knowledgeable in international marketing, finance, trade and economics; a foreign language, history, international relations, international organizations and law;

Be introduced to the cultural and socio-economic background of international business practices;

Learn the skills needed to carry out business activities in the United States and abroad through the study of economics and accounting.

Students, usually in their junior year, will have the opportunity to study abroad in an established program and receive credit for the coursework they complete. Benedictine University has exchange programs with universities in Mexico, Japan, Denmark, Spain and France. Benedictine also has agreements with The Institute for Study Abroad (IFSA-Butler) and The American Institute for Foreign Study (AIFS). These independent organizations allow Benedictine University to expand students' opportunities to study abroad in areas such as South America, Asia, Eastern Europe, and Australia.

What careers are available with an international business and economics degree?

Career opportunities for students in the international business and economics program are numerous since many companies in the United States have overseas operations.

Jobs in export, import, international marketing, production, finance and banking are increasing and foreign companies are operating in the U.S. at an accelerated rate. Jobs in government agencies and non-profit organizations are also plentiful. Graduates of the international business and economics program at Benedictine University have a tradition of success in obtaining employment in their chosen field and many have pursued graduate studies upon completion of their undergraduate program or through their places of employment.

International Studies

College: College of Liberal Arts

Department: Political Science

Student Type: Traditional Undergraduate

Faculty:

Joel Ostrow, Ph.D. (Chair)

J. Timothy Goines, Ph.D.

Isobel Lobo, Ph.D.

Jack Thornburg, Ph.D.

Objectives:

To provide a Social Science approach to the study of the political, economic, social and business aspects of globalization, and the inter-connections between politics, economics and culture.

Student learning outcomes: To develop social science analytic skills to understand, explain and address the complexities of the increasing international inter-connections between politics, economics and culture.

Requirements - Major:

International Studies majors must complete, with a grade of "C" or better, the following courses: ECON-C101(3), C102(3), and 305(3) OR 360(3) OR PLS217/317(3); PLSC-C210(3); C215(3), and two PLSC electives numbered 310-329; ANTH-200(3) and 208(3) or 210(3); GEOG-106(3); and INTB-300(3). In addition, all students must complete an approved study abroad experience, which may be satisfied by ANTH-283, 292 or INTB-320 when these include a study abroad experience, or by another experience approved by the program faculty. A semester-length or longer experience is strongly recommended. All students must complete a foreign language through 212, or complete 2 languages through the 202 level, one of which may be demonstrated through a placement or proficiency exam.

Requirements - Minor:

Twenty-one semester hours with a grade of "C" or better are required. These must include ECON-C101(3), PLSC-C210(3); INTB-300(3), and one course each from the ECON, PLSC and ANTH courses listed above required for the major. In addition, one foreign language through the 202 level is required, as is a short-term study abroad experience.

Latin American Studies (Minor Only)

College: College of Liberal Arts

Department: Interdisciplinary

Student Type: Traditional Undergraduate

Faculty:

J. Timothy Goines, Ph.D.

Rafael Iglesias, Ph.D.

Joaquin Montero, Ph.D.

Jack Thornburg, Ph.D.

Beth Vinkler, Ph.D.

Objectives:

The program and courses are designed to:

1. Provide courses from a range of disciplines focused on Latin America;
2. Provide an interdisciplinary approach to the study of Latin America; and
3. Prepare students from any major at the University for work in Latin America or with Latin American colleagues, clients, patients and business partners by increasing their sensitivity to, and knowledge of, Latin American cultures.

Requirements - Minor:

A minor in Latin American Studies consists of 24 hours of courses completed with a "C" or better from designated courses. At least 12 semester hours must be at the 200 level of which at least three semester hours must be at the 300 level.

Required courses (18 hours): ANTH-210(3); SPAN-201(3)/202(3); INTB-320(3) or ECON-391(3); ANTH-283(3) or HIST-191(3); and PLSC-391(3).

Elective Courses (six hours): SPAN-221(3), 231(3), 291(1), 232(3); INTB-391(1). Students are encouraged to study abroad or do an internship abroad.

Management (Bachelor of Arts in Management)

College: Margaret and Harold Moser College of Adult and Professional Studies

Department: Adult and Professional Studies

Student Type: Adult Accelerated Undergraduate

Objectives:

This program and courses are designed to:

1. Articulate how the functional areas of business interrelate within organizations;
2. Improve skills in communication, analytical thinking and appreciating the human element in organizations;
3. Evaluate the role of economics and business in the social environment of our culture; and
4. Develop specific skills applicable to various aspects of the functional areas of business.

This program is designed to:

1. Enable you to perform effectively in professional and career positions in management; and
2. Prepare you for graduate and professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics (the tool for the discipline); and
3. The principles pertinent to all of the functional areas of business, accounting, management, information technology and marketing, in an integrated manner and with adequate focus on strategic management.

The Bachelor of Arts in Management is designed in a learning team format and it will begin in totally online format in January 2010 so that the entire program is available through evening and weekend classes. The Bachelor of Arts in Management is offered in time periods and formats designed for the needs of adult learners.

Requirements - Major:

Management majors must complete MATH-105 (3), PHIL-245(3) and fulfill the social science requirement of the core by taking PSYC 100 (3), ECON 100 (3) and another social science core class. Students majoring in management must complete a minimum of 36 hours in the major, with a grade of "C" or better. These must include: MGT 217 (3), MGT 247 (3), CIS 127 (3), MGT 251 (3), ECON 227 (3), MGT 320 (3), MKTG 300 (3), MGT 275 (3), MGT 345 (3), MGT 302 (3), MGT 330 (3), and MGT 387 (3). Students must also complete: HUMN-240(3), HUMN- 250(3).

Other Information:

B.A.M Certificate Programs: The Certificate programs provide a concentrated focus for those professionals looking to expand their knowledge in a particular area. Each program is composed of an 18 credit hour series of six online courses. Courses are five to eight weeks in length. Instructional methods include lectures,

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simulations and case studies. Each class forms online interactive learning teams to assist in the learning process. All students interested in entering a certificate program should contact their academic advisor. Certificates are offered in the areas of:

Sales and Sales Management

The Sales and Sales Management Certificate program is designed to meet the growing global need for knowledgeable, principle-centered leadership in sales organizations. Intended to prepare managers as both business and sales leaders, the Sales and Sales Management program emphasizes a comprehensive integration and application of sales and sales management knowledge.

Human Resources Management

The Human Resources Certificate program is designed to meet the needs of those students interested in entering the field of Human Resources as well as experienced HR professionals interested in expanding their knowledge and career potential. This series focuses on the fundamental issues related to employee recruitment, training and retention strategies, employee relations, performance appraisal, compensation and benefits, and employment law.

Disaster Management

The Disaster Management Certificate program emphasizes the many skills necessary to prevent and respond to disasters. Courses will focus on risk assessment, program development, and communication with various organizations and populations. Information from FEMA will be utilized throughout the program.

Certificate Eligibility: Successfully completing all 6 courses in a program qualifies a student for the corresponding Academic Certificate. All courses must be completed with a grade of "C" or higher in order to be eligible for the certificate.

Application for Certificate: To apply for the Certificate, students must submit the Application for Graduation form, specifying the Certificate Area on the application and sending the completed form to Ben Central with appropriate fee.

B.A.M. Program Concentrations: A concentration is earned by completing 12 elective credits from the specific courses designated for each concentration. Earning a concentration is optional. Students must comply with all courses' prerequisites when planning a concentration.

Accounting Concentration: The Accounting Concentration program includes basic intermediate accounting concepts on the area of cost accounting concepts in the area of cost accounting, federal taxation, and computer fraud. This concentration will help students understand the role that accountants have in the business environment.

Disaster Management Concentration: The Disaster Management Concentration program will review the basic issues in managing a variety of disasters, including the social/psychological factors, preparedness and public health concerns.

Human Resources Management Concentration: The Human Resources Management Concentration program will focus on recruitment strategies, employee concentration and benefits, employee performance management and risk management.

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Marketing Concentration: Marketing Concentration program will focus on consumer's behavior in the marketplace as the foundation for a marketing strategy. A communication (IMC) approach, marketing research, and international marketing constraints will be examined.

Management and Organizational Behavior

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Faculty:

Jane Crabtree, Ph.D.

Charles L. Gahala, M.B.A., Ed.D., C.C.E.

Donald Henschel, M.B.A., C.P.A.

Nona Jones, Ph.D.

Jeffrey Madura, M.B.A., C.P.A.

Vicki Jobst, M.B.A., C.P.A.

Objectives:

This program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to the various aspects of the functional areas of business.

This program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. The principles pertinent to all of the functional areas of business, accounting, finance, management, and marketing, in an integrated manner and with adequate focus on their international aspects; and
4. The important functional areas of management; including human resources, operations management, organizational behavior and the management process of planning, implementation and control.

The management and organizational behavior major is designed so that the entire degree is available through day classes for the traditional undergraduate students. The management and organizational behavior major is also offered in time periods and formats that are designed for the needs of adult learners, offered through evening and weekend classes.

Requirements - Major:

Management and organizational behavior majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics, MATH-S105(3) or MATH-S110 (3), and MATH-C115(3). All business majors must complete CMSC-180 and either CMSC-181 or 183, depending on the student's background. CMSC-181 should be taken by students who believe they already have a background in the Office Suite. CMSC-183 is recommended for those students who need to develop skills using the Office Suite. ACCT 310 may be substituted for CIS/CMSC 180, 181/183, with advisor approval.

Majors must complete each of the business core courses with a "C" or better: ACCT-111(3), 112(3); ECON-C101(3), C102(3); FINA-300(3); MKTG-300(3); MGT-150(3), 251(3), and C300(3).

Majors must complete with a "C" or better: MGT-320(3), 330(3), 333(3), 380 and two courses from among MGT-301(3), 302(3), 303(3), 305(3), 323(3), 347(3), MGT-235(3), ACCT-311(3), or an international elective at the 300 level.

Students in the Second Major Program that is housed outside of the department must complete the ethics, mathematics and computer science requirements of the first paragraph above and all of the requirements of the second and third paragraphs above.

CLEP, life experience, work experience, internships, advanced placement and other external credit do not substitute for upper level (300) courses.

Management and Organizational Behavior majors who elect to earn a second major in the Undergraduate Business Department must complete "specialization courses" for the second business major. Specialization courses may only be used to satisfy the requirement for one business major.

Requirements - Minor:

Only courses in which a student has received a "C" or better may be applied to the minor. Students are limited to one minor in the accounting, business and economics, economics, finance, international business and economics, management and organizational behavior, and marketing programs. Students (except BAM students) seeking a minor in management and organizational behavior must complete with a grade of "C" or better 21 semester hours which must include ECON-C101(3), C102(3); ACCT-111(3); MGT-C300(3); and at least three unique 300-level courses in management. A BAM student may not minor in Management and Organization Behavior. A student who majors in management and organizational behavior may not earn a minor in the undergraduate business department.

Requirements - Concentration:

Concentrations in either Sports Management or Sports Marketing are available in combination with this major. Requirements listed below must be completed with a "C" or higher.

SPORTS MANAGEMENT CONCENTRATION: MGT-305, MKTG-305 and two courses from MGT-235, 297, 301.

SPORTS MARKETING CONCENTRATION: MKGT-305, MGT-305 and two courses from MKTG-297, 330, INTB-385.

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Marketing

College: College of Business

Department: Undergraduate Business

Student Type: Traditional Undergraduate

Faculty:

Jane Crabtree, Ph. D.

Charles L. Gahala, M.B.A., Ed.D., C.C.E.

Nona Jones, Ph.D.

Jeffrey Madura, M.B.A., C.P.A.

Donald Henschel, M.B.A., C.P.A.

Vicki Jobst, M.B.A., C.P.A.

Objectives:

This program and courses are designed to:

1. Evaluate the role of economics and business in the social environment of our culture;
2. Articulate how the functional areas of business interrelate within organizations;
3. Improve skills in communication, analytical thinking and appreciating the human element in organizations; and
4. Develop specific skills applicable to the various aspects of the functional areas of business.

This program and major are designed to:

1. Prepare you for entry level positions;
2. Enable you to perform effectively in professional and career positions in management; and
3. Prepare you for graduate and professional study in business or management.

All students in this program will receive a thorough grounding in:

1. Economics (the theoretical basis for the discipline);
2. Mathematics and statistics (the tool subjects);
3. The principles pertinent to all of the functional areas of business, accounting, finance, management and marketing, in an integrated manner and with adequate focus on their international aspects; and
4. Marketing strategy involving decisions on markets, product, price, promotion and place of distribution.

The marketing major is designed so that the entire degree is available through day classes.

Requirements - Major:

Marketing majors must complete the University core requirements, which are partially satisfied by MGT 252 Business Ethics (which also counts as religion core) or one core approved philosophy course in ethics, MATH-S105(3) or MATH-S110(3), and MATH-C115 (3). All business majors must complete CMSC-180 and either CMSC-181 or 183, depending upon the student's background. CMSC-181 should be taken by

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students who believe they already have a background in the Office Suite. CMSC-183 is recommended for those students who need to develop skills using the Office Suite. ACCT 310 may be substituted for CIS/CMSC 180, 181/183, with advisor approval.

Majors must complete each of the business core courses with a "C" or better: ACCT-111(3), 112(3); ECON-C101(3), C102(3); FINA-300(3); MKTG-300(3); MGT-150(3), 251(3), and C300(3).

Majors must complete with a "C" or better: MKTG-C310(3), 330(3), 360(3), 380(3); and two from among ECON-202(3), ACCT-311(3), FINA-380(3), MKTG-305(3), 350(3), MGT-301(3), 305(3), 320(3), 333(3) COMM-208(3) or 263 (3).

Students in the Second Major Program that is housed outside of the department must complete the ethics, mathematics and computer science requirements of the first paragraph above and all of the requirements of the second and third paragraphs above.

CLEP, life experience, work experience, internships, advance placement and other external credit do not substitute for upper-level (300) courses.

Marketing majors who elect to earn a second major in the undergraduate business department must complete the unique specialization courses for the second business major. Specialization courses may only be used for satisfying the requirements for one business major.

Requirements - Minor:

Only courses in which a student has received a "C" or better may be applied to the minor. Students are limited to one minor in accounting, business and economics, economics, finance, international business and economics, management and organizational behavior or marketing. Students (except BAM students) seeking a minor in marketing must complete with a grade of "C" or better 21 semester hours, which must include ECON C101(3); C102(3); ACCT 111(3); MKTG 300(3), and at least three unique 300-level courses in marketing. A BAM student seeking a minor in Marketing must complete with a grade of "C" or better the following courses and their prerequisites: MKTG-305, MKTG-310, MKTG-330, MKTG-350, MKTG-360 and MKTG-380. A student who majors in marketing may not earn a minor in the undergraduate business department.

Sports Marketing Minor: intended for traditional, undergraduate students who are in a major outside of the UBD. This program provides an opportunity for non-business majors to gain a focus upon the opportunities and to hone the skills essential to the sports marketing field. Requirements: Seven courses; 21 semester hours to be completed as follows: MKTG 305, 330, INTB 385, MGT 235, 305, 300 and MKTG 300.

Requirements - Concentration:

Concentrations in either Sports Management or Sports Marketing are available in combination with this major. Requirements listed below must be completed with a "C" or higher.

SPORTS MANAGEMENT CONCENTRATION: MGT-305, MKTG-305 and two or three courses from MGT-235, 297, 301.

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SPORTS MARKETING CONCENTRATION: MKTG-305, MGT-305 and two courses from MKTG-297, 330, INTB-385.

Only students who major in accounting, business and economics, finance, marketing or management and organizational behavior may complete the concentration.

Mathematics

College: College of Science

Department: Mathematics

Student Type: Traditional Undergraduate

Faculty:

Timothy Comar, Ph.D.

Anthony DeLegge, Ph.D.

Manmohan Kaur, Ph.D.

Jeremy Nadolski, Ph.D.

Thomas Wangler, Ph.D.

Ellen Ziliak, Ph.D.

Rose A. Carney, Ph.D., Professor Emeritus†

Rev. Paul Tsi, Ph.D., Professor Emeritus†

Phyllis M. Kittel, Ph.D., Professor Emeritus

James M. Meehan, D.A., Professor Emeritus†

Lecturers:

Beth Dunn, M.Ed.

Mary Kay Eilers, M.A.

Marian Flattum, M.S.

Diane Hampton, M.S.

Felicia Havenaar, M.S..

Andrea Holba, M.Ed.

Hillary Holecek, M.S.

Michelle Honeysett, M.S.

Ken Leszczynski, M.S.

Chris Nelson, M.S.

Kathleen Ramsey, M.A.

Linda Seikel, M.S.

Viola Vajdova, M.Sc., M.Ed.

Dennis Wozniak, M.S.

Ria Yambao, M.S.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

General education courses in mathematics are designed to develop the quantitative skills you will need as an educated person and for use in other disciplines. The program for majors is designed to:

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1. Develop your abilities in disciplined mathematical reasoning and problem solving;
2. Teach you the basic techniques and models of the mathematical sciences; and
3. Prepare you for graduate study in pure mathematics, applied mathematics, statistics, operations research, or computer science, as well as for careers as mathematical analysts, actuarial scientists and as high school or college teachers.

Requirements - Major:

Students seeking a major in mathematics must complete, with a grade of "C" or higher, a minimum of 37 hours of mathematics coursework at the 200-level or above, including MATH-200(4) or 210(4) and 207(1), 211(4), 212(4), 260(4), 300(3), 331(3), 341(3), and six more hours at the 300-level. This coursework must include one sequence from the following: 331-332, 341-342, 260-361, 310-350, or 371-373. In the second course of the sequence, students must complete a written report and an oral presentation on a topic related to the subject matter of the course. MATH-399(3-6), Internship, does not count as 300-level coursework. Math-397(1-3) & 398(1-3), Mathematical Research I & II, does count as 300-level coursework up to a maximum of 3 hours. Students must also take an externally administered comprehensive mathematics examination and achieve the proficiency level set by the department.

Requirements - Minor:

Students seeking a minor in mathematics must complete, with a grade of "C" or higher, at least 21 hours of mathematics coursework at the 200-level or above, including six hours at the 300 level. MATH-399 does not count as 300-level coursework. MATH-397 & 398 can be counted toward the 21 hours, but only if student has 6 hours of mathematics coursework at the 300-level.

Requirements - Concentration:

Students seeking a concentration in actuarial science must satisfy the requirements for a math major and complete the following courses with a "C" or better: Math-370(3), 371(3), 373(3) and either Econ-101(3) or 102(3). Actuarial science students are encouraged to minor in one of the following areas: accounting, business and economics, economics, finance, international business and economics, management and organizational behavior or marketing.

In addition to completing a minor in one of the above areas, students are encouraged to take the actuarial exams as early as possible, usually in the junior year. It is strongly recommended that students pass the first two courses (=actuarial exams) before graduation.

Requirements - Teaching Certification:

Students desiring to be certified to teach mathematics at the secondary level (grades 6-12) are to declare themselves as mathematics majors and education minors and register with the Benedictine University School of Education as teaching certificate candidates. Advisement is then a joint responsibility of the mathematics and the education programs. Students must complete MATH-240 (4), 310 (3), 312 (3), 371 (3) and 373 (3) as part of the major requirements and CMSC-C180 (2) and CMSC-181 (2) in addition to the other course requirements for a major in mathematics.

Medical Humanities

College: College of Liberal Arts

Department: Language and Literature

Student Type: Traditional Undergraduate

Administrators: Elizabeth Kubek, Ph.D., Program Director

Objectives:

The Medical Humanities major is designed to prepare students for medical school, graduate work in interdisciplinary science/humanities programs, or other profession careers that require advanced work at the intersections of the life sciences and the humanities. The coursework for the major reflects both the emergence of Medical Humanities as a graduate-level discipline at highly selective medical schools and universities and the increased preference of all medical schools for applicants with a significant background in the humanities.

The goals of the Medical Humanities Program at Benedictine University are as follows:

- To foster students' awareness of the interconnectedness and relevance to life of the disciplines which are the object of academic study;
- To expose students to the current ideas and practices that "humanize" the medical sciences, and vice versa;
- To encourage students to make productive connections between their practical knowledge, their daily activities, their ethical values, and their relations with other beings and with the environment;
- To foster a spirit of collaboration between students and faculty, and provide students with opportunities to work closely with faculty and professionals;
- To educate future professionals who are both accomplished in their fields and engaged, responsible global citizens;
- To promote the creation of a medical community that includes regard for the patient and for practitioners as whole persons;
- To provide future professionals with critical and ethical tools that will enable them to transform their profession and to remain informed and engaged throughout their lives.

Requirements - Major:

Major requirements are as follows:

1. MCAT "Core" sequence: MATH 111 (3), CHEM 113 (3), 114 (1), 123 (3), 124 (1), 242 (3), 243 (1), 247 (3), 248 (1); BIOL 197 (3), 198 (3), 199 (1), 250 (3), 251 (1), 258 (4), 340 (3), plus 259 (1) or 203 (4) or 341 (1); BCHM 261 (3); PHYS 113 (3), 114 (1), 118 (3), 119 (1);
2. Proficiency in a modern language to 202 (up to 12 credit hrs); or one year Latin, one year Greek (no proficiency option, although AP credit can be applied) (6 credit hrs)
3. Interdisciplinary track A or B:

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- a. Five-course concentration in a CLA discipline (courses selected by the program director/Department Chair with input from faculty, approved by the Medical Humanities Advisory Group; two at the 300 level), and five from a list of approved courses (selected by Departments) in CLA disciplines other than the concentration discipline. Concentration discipline not to “double-count” towards a minor but other five courses might. Must total at least 30 credit hrs. During the senior year, student will also complete and submit a final major research project (which must entail writing a paper of significant length), and must also have been approved (by signature) by two faculty members, at least one of whom must represent a CLA discipline, and who will supervise the student and grade the final project.

OR

- b. Self-Designed Medical Humanities Program. Ten courses, of which no more than four may be from a College other than CLA, and at least three of which must be at the 300 level; these courses should add up to a concentration in a field or topic appropriate to the Medical Humanities discipline (for examples, students should refer to such professional resources as the Medical Humanities central website at <http://medhum.med.nyu.edu> or the peer-reviewed journal Medical Humanities at <http://mh.bmj.com>). Students wishing to design such a program must submit a written rationale to the Medical Humanities Advisory Group for approval (by majority vote). This rationale must demonstrate a clear connection between the selected courses and a major senior research project (which must entail writing a paper of significant length), and must also have been approved (by signature) by two faculty members, at least one of whom must represent a CLA discipline, and who will supervise the student and grade the final project. The student’s plan of study should be based on a reasonable expectation that the courses selected will be offered within the timeframe proposed for completion of the degree. Must total at least 30 credit hrs.
4. Total of forty documented service hours, normally by the end of the Junior year, at co-operating sites with medical service function (hospice, etc.), including sites abroad. All majors must meet practica requirements, including successful completion of BIOL 258 or 203, 30 BU hours earned, and a 3.2 GPA. These service hours may be integrated into the capstone course.
 5. 300-level capstone course (3), Medical Humanities in Action, which includes group research project in interdisciplinary areas that serve the public interest, i.e. public health, epidemiology and policy, provider/patient relations, medicine “across borders” (disciplinary, global, cultural, etc.), health and medicine in schools; should involve team teaching, outside speakers, “authentic” work in the community.

Music

College: College of Liberal Arts

Department: Music

Student Type: Traditional Undergraduate

Faculty:

Luis Loubriel, D.M.A.

Alicia Cordoba Tait, D.M.A.

Lecturers:

George Blanchet, B.M.

Andrea DiOrio, M.M.

Kristin Elgerma, D.M.A.

Maryann Kelly Flock, M.A.

Mariusz Kozak, M.M.

Anne Kreft, M.M.

Br. Augustine Mallak, O.S.B.

Joshua Moshier

Nancy Moore, M.M.

Fr. John Moulder, M.M.

Mitch Paliga, M.M.

Rev. John Palmer, C.S.V., Mus.M., A.R.C.T., L.Mus., F.T.C.L.

Marc Stingley, M.M.

Victoria VerHoven, M.M.

Angela Yang

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Objectives:

The music program and its courses are designed to:

1. Provide opportunities to better understand and appreciate various kinds of music and their relationships to culture, education and history;
2. Combine musicianship with a liberal arts education to establish a base for both artistic and intellectual growth in a manner by which the student can understand, experience and articulate musical artistry within a variety of perspectives in which their skills can be of use to themselves and to society;
3. Provide an environment through well-defined course offerings and nationally and internationally known music faculty that guides the learning process within more intimate instructional settings that

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improves the students' practicing, rehearsing, and performance skills while developing disciplinary knowledge of history, repertoire, pedagogy and technology;

4. Develop a mastery of performance technique through intimate ensemble experiences;
5. Develop a closer association with the audience and an increased understanding of the impact their music-making has on the community;
6. Allow students to produce their own concerts, develop private studios, and record performances;
7. Create the professional musicians who are equipped with the skills and confidence necessary to be successful in any music career.

Requirements - Major:

Music majors are required to:

1. Audition for the department to show competencies in solo performance, scales and sight-reading;
2. Take a music entrance exam in theory, keyboard and aural skills.
3. Perform a music jury each semester.

The music major must complete at least 59 credit hours in music courses in performance, history, literature, and theory including 15 hours at the 300 level. Required major and cognate courses are: 200 level Applied Music(4), 300 level Applied Music(2), Ensembles (6), MUSI 101(3), MUSI 102(3), MUSI 104(3), MUSI 112(1), MUSI 113(1), MUSI 194(1), MUSI 195(1), MUSI 201(3), MUSI 202(3), MUSI 204(3), MUSI 205(3), MUSI 206(3), MUSI 212(1), MUSI 213(1), Junior and Senior recitals MUSI 250(1) and MUSI 350(2), MUSI 360(3), 300 level music electives (6), and Internship (2). Students must complete at least six credit hours in a secondary language.

Requirements - Minor:

Performance (traditional):

4 credit hours of applied music, MUSI 101(3), MUSI 112 (1), MUSI 104(3), MUSI 200(3), 300 level music elective (3), ensembles (four semesters minimum), and junior recital (1)

Performance (chamber music emphasis):

4 credit hours of applied music (minimum 200 level applied), MUSI 101(3), MUSI 112(1), MUSI 104(3), MUSI 205(3), MUSI 206(3), MUSI 300 level elective (3), and chamber ensemble (four semesters minimum).

Music Education

College: College of Liberal Arts

Department: Music

Student Type: Traditional Undergraduate

Faculty:

Luis Loubriel, D.M.A.

Alicia Corboda-Tait, D.M.A.

Objectives:

The primary objectives for the Bachelor of Arts in Music education include the acquisition of the essential conceptual knowledge in music history, music theory, and music performance coupled with the development of the technical skills necessary for composing and producing, interpreting, performing, listening, assessing, and teaching music with excellence.

Through this program, students will:

1. Develop the knowledge and understanding that concerns the structure and history of music in relation to composing and producing, interpreting, performing, listening, assessing, and teaching.
2. Produce and perform with meaningful artistic expression and musical sensitivity in their final recital performance.
3. Develop the technical skills necessary for composing and producing, interpreting, performing, listening, assessing, and teaching music.

Requirements – Major:

Music Education majors must complete each of the following with a grade of “C” or better: MUSI-101(3); MUSI-102(3); MUSI-201(3); MUSI-202(3); MUSI-112(1); MUSI-113(1); MUSI-212(1); MUSI-213(1); MUSI-205(3); MUSI-206(3); MUSI-130(2); MUSI-131(2); MUSI-132(2); MUSI-133(2); MUSI-250(1); MUSI-352(3); MUSI-353(3); MUSI-360(0); vocalists – MUSI-144(4), pianists – MUSI-148(4), instrumentalists – MUSI-144(4); two hours from MUSI-140, 144, or 148; ten hours from MUSI-240, 244, 248, 340, 344, 348; eight classes, for 0 or 1 credit each class, from MUSI-121, 122, 129. In addition, majors must complete six hours in modern language.

Requirements - Teaching Certification:

Students desiring to be certified to teach music on the elementary (grades K-6) and secondary level (grades 6-12) are to declare themselves as music education majors and education minors and register with the Benedictine University Education Program as teaching certificate candidates. Advising is then a joint responsibility of the music and the education programs.

Students must complete the requirement for a major in music education as well as the requirements of the Teacher Certification Program in Education which includes an education minor (see Education).

Nuclear Medicine Technology

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Clinical Lecturers:

Gary R. Eastman, C.N.M.T., Program Director - Hines V.A.

Nancy McDonald, C.N.M.T., Program Director - Northwestern Memorial Hospital

Nicholas C. Friedman, M.D., Medical Director - Hines V.A.

Stewart Spies, M.D., Medical Director, School of Nuclear Medicine - Northwestern Memorial Hospital

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Advisor: Alice N. Sima, R.N., M.S.N., M.B.A.

Objectives:

The program for majors in nuclear medicine technology is designed to prepare students to:

1. Provide patient care which includes concern for radiation safety, understanding patient concerns and fears concerning their illness and pending procedures and recognizing emergency patient conditions;
2. Develop technical skills which include quality control and assurance for the preparation and administration of radiopharmaceuticals, performance of in-vivo and in-vitro diagnostic procedures and operation of related equipment;
3. Develop administrative capability which includes supervisory and record keeping functions and radionuclide accountability; and
4. Become a certified nuclear medicine technologist by passing the national certifying examinations.

Requirements - Major:

Students in the nuclear medicine technology program must complete at least 90 semester hours with a minimum G.P.A. of 2.8 at Benedictine University. Students **MUST APPLY** for admission to Hines V.A., and/or Northwestern Memorial Hospital, our clinical education program affiliate hospital, during their junior year. Only U.S. citizens may enter the Hines V.A. Program. The admissions process is competitive. Your senior year is a 12-month, 34-semester-hour clinical education curriculum in an American Medical Association accredited hospital program affiliated with the University. Upon completion of this B.S. program the student is eligible to take certifying examinations administered by the Nuclear Medicine Technology Certification Board and by the American Registry of Radiologic Technologists and the Board of Registry of the American Society of Clinical Pathologists.

Students majoring in nuclear medicine technology must complete the following courses with a grade of "C" or better: CHEM-C113(3), C114(1), C123(3), C124(1); BIOL-C197(3), C198(3), C199 (1), 203(4), 250(3),

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251(1), 258(4); MATH-111(3); CMSC-180(2), 182(1); PHIL-C240(3); and ECON-150(3); PHYS-C113(3), C114(1), C118(3), 119(1); and NMTC-331(2), 332(3), 333(3), 334(9), 335(3), 336(3), 337(2), 338(3), 339(3), 340(2), 341(1).

Nursing

College: College of Education and Health Services

Department: Nursing and Health

Student Type: Adult Accelerated Undergraduate

Faculty:

Ethel C. Ragland, Ed.D., M.N., R.N., Chair.

Margaret Delaney, M.S., R.N., C.P.N.P.

Brian Higginson, D.N.Sc., R.N., F.N.P.-B.C.

Laura Holland, M.S.N., R.N.

Susan Hovey, M.S.N., R.N.

Alice N. Sima, M.S.N., M.B.A., R.N.

Lecturers:

Shelly Baldwin, M.S.N., R.N., CWOCN

Angela J. Bentley, M.S., R.N.

Marilyn Boatman, M.S., R.N.

Ellen Davel, Ed.D., M.S.N., R.N.

Hillary Holecek, M.B.A., M.S.

Wendie Medina, DNP, R.N., AON, CNS, CRRN

Mary L. Micklus, M.S., R.N.

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Objectives:

The Nursing program is designed to prepare graduates who will:

1. Synthesize knowledge from nursing, the humanities, and the natural and social sciences in professional practice;
2. Demonstrate skills in critical thinking and decision making in the use of nursing process with individuals, families, groups and communities;
3. Evaluate research findings to guide professional practice of nursing;
4. Provide health education for individuals, families, groups and communities;
5. Communicate effectively with individuals, families, groups, communities and other health professionals in promoting health planning and directing client care;
6. Assume responsibility and accountability for own decisions and actions in professional practice;
7. Use leadership skills and knowledge of the political system to advance professional nursing practice and health care in various settings;

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8. Integrate professional values and ethical, moral and legal aspects of nursing into own professional practice;
9. Use of a process of continuing learning in the development of one's self, nursing practice, and the profession; and
10. Demonstrate evolving competence in professional role within a changing, multicultural society.

Admission Requirements

1. Have a minimum 2.5/4.0 cumulative GPA
2. Hold a current, unencumbered registered nurse (RN) license in Illinois;
3. Demonstrate computer proficiency (word processing, e-mail, internet use) as evidenced by transcripts, employer documentation, or student documentation.
4. Transfer in a minimum of 55 semester hour credits, including WRIT 101 or equivalent

Requirements - Major:

The nursing major is offered in an accelerated format designed for the adult learner.

Nursing majors must:

1. Meet University core and skills requirements;
2. Successfully complete the following courses or their equivalent: BIOL-203(4); BIOL-208(4); BIOL-258(4); CHEM-C101(3); PHIL-C245(3); PSYC-C100(3); PSYC-C200(3) or PSYC-C202; SOCL-C100(3);
3. Successfully complete the following courses with a grade of "C" or better: NRHL-200(3); NRHL-213(3); NRHL-250(3); NRHL-290(3); NRHL-295(3); NRHL-300(3); NRHL-301(4); NRHL-311(3); NRHL-320(3); NRHL-378(3);
4. If required by affiliating agency, show evidence of current TB test, proof of immunizations and other health requirements and criminal background check prior to planned clinical/field experience(s). (See advisor for further information).

Up to 30 semester hours of lower division nursing credits can be accepted as transfer credit.

Accreditation

The baccalaureate program for the registered nurse has received accreditation through 2013 from the Commission on Collegiate Nursing Education (CCNE) (One Dupont Circle NW, Suite 530, Washington, DC 20036-1120, 202-887-6791)

Nutrition

College: College of Education and Health Services

Department: Nutrition

Student Type: Traditional Undergraduate

Faculty:

Catherine Arnold, Ed.D., R.D., L.D.N.

Julie Davis, M.S., R.D., L.D.N.

Deepa Handu, Ph.D., R.D., L.D.N.

Lecturers:

Cindy Baranoski, M.S., R.D., L.D.N.

Valerie Bartel, M.S., R.D., L.D.N.

Lou Ann Chvatal, M.S., R.D., L.D.N.

Jan Dowell, M.S., M.H.S., C.S.S.D., R.D., L.D.N.

Jane Maxwell, M.S., R.D., L.D.N.

Mary Mullen, M.S., R.D., L.D.N.

Julie Opp, M.S., R.D., L.D.N.

Christine Palumbo, M.B.A., R.D., L.D.N.

Julie Patterson, M.B.A., R.D., L.D.N.

Lindsay Sawyer, M.B.A., M.P.H., R.D., L.D.N.

Laurie Schubert, Ph.D., R.D., L.D.N.

Regina Schurman, M.S.

Paula Milas Sochacki, M.P.H., R.D., L.D.N.

Michel DiVito, M. S., R.D., L.D.N.

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Objectives:

To meet the specific knowledge and skills competencies outlined by the Commission on Accreditation for Dietetics Education of The American Dietetic Association, upon completion of the DPD, the nutrition major will successfully:

1. Demonstrate knowledge, application, and integration of principles of health promotion and disease prevention with normal nutrition, medical nutrition therapy, and public health nutrition for varied populations.
2. Develop beliefs, values, attitudes, and behaviors for professional practice, including:
 - a. Effective and professional communication skills.
 - b. Application of nutrition counseling techniques and group education principles.

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- c. Applied knowledge of ethical principles.
3. Apply principles of food systems, food science, and techniques of food preparation.
4. Demonstrate knowledge and strategic application of principles of management theories and systems.
5. Integrate scientific information and research into practice.
6. Develop teamwork, cultural competence, problem solving and critical thinking skills.

Requirements - Major:

The nutrition major must complete, with a "C" or better

University Skills and Core: WRIT-S103(3), S102(3), SPCH 110(3); PSYC-100(3); MGT-320(3); and a core approved ethics course.

Cognates: CHEM-C101(3), 102(1), 103(3), 104(1); BIOL 197(3), BIOL 198(3), 199(1), 203(4) 208(4), 258(4); BCHM-C251(3)[or C261(3)]; and BIOL-229(3) or PSYC-150(3).

Nutrition Science Courses:

NUTR-150(1), C241(3), 244(3), 245(1), 246(1), 250(3), 271(3), 280(3), 298(2), 350(2), 341(3), 345(3), 371(4), 372(2), 373(1), 391(1), 392(2), and 395(1).

Students are strongly encouraged, although not required, to maintain a cumulative G.P.A. of 3.2 or higher if applying for a position in a Dietetic Internship program following graduation.

Following completion of this accredited Nutrition Program (Didactic Program in Dietetics), students will be awarded a Foundation Knowledge and Skills Verification Statement. Verified graduates qualify to take the Registration Examination for Registered Dietitians upon successful completion of an accredited post-baccalaureate Dietetic Internship program.

Affiliation with Graduate Programs: With careful planning of the undergraduate course sequence, this program offers the student the possibility of completing select cross-listed courses to meet some of the requirements of the following graduate programs while an undergraduate student. These graduate programs include: the Master of Science in Nutrition and Wellness, Master of Public Health, and Master of Science in Clinical Exercise Physiology. Space in these cross-listed courses limited. Admission to the graduate program is not automatic. The student must meet graduate program admissions requirements.

Requirements - Minor:

Students seeking a minor in nutrition must complete, with a grade of "C" or better, CHEM-C101(3), C102(1), C103(3), C104(1), [or CHEM-C113(3), C114(1), C123(3), C124(1), 242(3), 243(1), 247(3), 248(1)]; BCHM-251(3) [or 261(3), 361(3)]; BIOL 258(4), NUTR-C200(3) or C241(3); NUTR 271(3) or 280(3); NUTR 341(3) and 371(4).

Health Science majors cannot count the same NUTR credits towards both HLSC major and NUTR minor.

Requirements - Other:

ADA verification in Nutrition: Qualified students who hold a bachelor degree from another institution may enroll in additional courses to complete the accredited program requirements after evaluation of

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transcripts by the Enrollment Center and undergraduate Nutrition Program (DPD) Director at Benedictine University. Requirements (e.g., NUTR courses, cognates, skills, grades) for the Verification Statement are the same as for the Nutrition Major. A second degree may be awarded to those in the Second Degree Program. Upon successful completion of the requirements, the Foundation Didactic Knowledge and Skills verification statement will be awarded

Other Information:

The Benedictine University Nutrition Program (Didactic Program in Dietetics) is currently granted accreditation by the Commission on Accreditation for Dietetic Education of The American Dietetic Association, 120 S. Riverside Plaza, Ste. 2000, Chicago, IL 60606-6995, (312) 899-0040.

Organizational Leadership

College: Margaret and Harold Moser College of Adult and Professional Studies

Department: Adult and Professional Studies

Student Type: Adult Accelerated Undergraduate

Objectives:

This program and its courses are designed to prepare graduates who will:

1. Assume functions and roles in leadership and management in organizations in local and global communities;
 2. Acquire the analytical skills necessary to assess the behavioral aspects of groups and organizations; and
 3. Be prepared for graduate study, particularly in the behaviorally-oriented management programs.
- The Bachelor of Arts in Organizational Leadership is designed in several learning team format and it will begin in totally online format in January 2010 so that the entire program is available through evening and weekend classes. The Bachelor of Arts in Organizational Leadership is offered in time periods and formats designed for the needs of adult learners.

Requirements - Major:

Organizational Leadership majors must complete MATH-105 (3), PHIL-245(3) and fulfill the social science requirement of the core by taking PSYC 100 (3), ECON 100 (3) and ANTH 200 (3). Students majoring in organizational leadership must complete a minimum of 39 hours in the major, with a grade of "C" or better. These must include: MGT 217 (3), MGT 247 (3), SOC 290 (3), PSYC 210 (3), MGT 320 (3), MKTG 300 (3), MGT 301 (3), MGT 303 (3), INTB 300 (3), PSYC 250 (3), MGT 333 (3), PSYC 299 (3), and PSYC 389 (3). Students must also complete: HUMN-220(3), HUMN- 250(3).

Requirements - Concentration:

B.A.O.L Program Concentration: A concentration is earned by completing 12 elective credits from the specific courses designated for each concentration. Earning a concentration is optional. Students must comply with all courses prerequisites when planning a concentration.

Human Resources Management Concentration - The Human Resources Management Concentration program will focus on recruitment strategies, employee concentration and benefits, employee performance management and risk management.

Marketing Concentration - Marketing Concentration program will focus on consumer's behavior in the marketplace as the foundation for a marketing strategy. A communication (IMC) approach, marketing research, and international marketing constraints will be examined.

Multicultural Dynamics Concentration - Multicultural Dynamics Concentration program focuses on varied aspects of culture, race relations, aging and intergenerational issues.

Philosophy

College: College of Liberal Arts

Department: History, Philosophy and Religious Studies

Student Type: Traditional Undergraduate

Faculty:

Patrick Flynn, Ph.D.

Bernard Toussaint, Ph.D.

Martin Tracey, Ph.D.

Objectives:

Philosophy seeks answers to such fundamental questions as: What is ultimately real? What is the nature and extent of our knowledge? What is the source and nature of our moral obligations? What form of government is the best? Is beauty only in the eye of the beholder? Our aim is to assist students (1) in developing an appreciation of the various answers to these questions and (2) in formulating their own answers in a way that can be defended in the arena of reasoned controversy. Philosophy draws on material from all areas of human endeavor--science, the arts, religion, and politics for example. Thus, philosophy is uniquely suited to equip students with not only an appreciation for the examined life, but also with the critical thinking, writing and communication skills necessary for success in the 21st century.

Courses in philosophy are designed to:

1. Investigate the ultimate principles of knowledge, reality and human conduct;
2. Establish rational methods of evaluating ideas and arguments;
3. Explore the underlying unity and diversity of experience;
4. Provide an historical survey of philosophical ideas;
5. Offer a systematic treatment of major philosophical questions;
6. Afford you a general enrichment in philosophy; and
7. Prepare you for graduate work in philosophy or for advanced study in law, theology, or education.

Requirements - Major:

Students majoring in philosophy must complete a minimum of 36 hours of courses toward their major, with a grade of "C" or better. Of these 36 hours, these courses must include at least 30 hours of (specific) philosophy courses, and may include six hours of (Philosophy Department) approved substitutions from related academic fields. These philosophy courses must include: PHIL-C120(3), 200(3), C205(3), C210(3), C240(3), C315(3), C320(3), C325(3), C330(3), C335(3) (or approved substitutions for each of these courses). Philosophy majors are required to demonstrate competency in a modern language by completion of at least one modern language course at or above the 202 level, and to take courses in other discipline(s) related to the area(s) of philosophy in which they hope to concentrate.

Philosophy major for pre-law students:

"The free and spirited consideration of philosophical questions is almost the classic model for legal

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training." (Statement on Pre-legal Education of the Association of American Law Schools.) While no single major is required for admission to law school, philosophy has long been recognized as excellent preparation for the study of law. Pre-law students who choose philosophy as a major may take ACCT-111(3), 112(3); HIST-111(3); PLSC-230(3) or 312(3), instead of 12 hours in another discipline.

Requirements - Minor:

Students desiring to minor in Philosophy must complete a minimum of 21 hours in the field with a grade of "C" or better. These 21 hours must include: PHIL-200(3), C210(3), C240(3), and one course selected from: PHIL-C315(3), C320(3), C325(3), 330(3), C335(3).

Other Information:

A Philosophy major as a Second Major with one or more Minors:

Students desiring a major in philosophy are encouraged to combine their major in philosophy with a second major in another academic field, related to their particular philosophical interests, or to combine their major in philosophy with one or more academic minors, related to their particular interests in philosophy.

Philosophy has always been an intrinsically inter-disciplinary academic field. Philosophical reflection presupposes the knowledge of a wide variety of many different (academic and non-academic) fields and topics. It is this presupposed knowledge that provides the critical starting point for philosophical reflection. We wish to encourage our philosophy students to engage, as fully as they are capable, in this basic inter-disciplinary, philosophical spirit.

Substitutions:

In the interest of flexibility, as well as the continual necessity of meeting student and departmental need, in some circumstances, student candidates will be allowed to substitute alternative courses from those listed above as required. Such substitutions, however, will require written permission from the student's advisor, as well as general agreement from the faculty members of the philosophy department.

Physics

College: College of Science

Department: Physics/Engineering

Student Type: Traditional Undergraduate

Faculty:

Peter Nelson, Ph.D., Program Director

Ralph D. Meeker, Ph.D.

Andrew Wig, Ph.D.

Joseph C. Bowe, Ph.D. Professor Emeritus

Duane J. Buss, Ph.D. Professor Emeritus[†]

Fr. William J. Shonka, O.S.B., Ph.D., Professor Emeritus[†]

John J. Spokas, Ph.D. Professor Emeritus

Lecturers:

John Baliga, M. S.

David Baran, Ph.D.

Kevin Beyer, M.S.

Randall Hicks, Ph.D.

James H. Ma, M.S.

Janardan Pokharel, Ph.D.

Philip Schreiner, Ph.D.

Mel Swieton, M.S.

Luisa Torres, Ph.D.

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Objectives:

The courses in physics are designed to:

1. Develop a scientific style of reasoning; and
2. Increase one's understanding of our physical environment.

The program for majors is designed to:

1. Provide students with a thorough introduction to classical physics and to the basic concepts of quantum physics;
2. Provide students with the mathematical foundation required to study physics in a rigorous manner at the introductory level and beyond;

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3. Develop students' laboratory skills and to expose you to modern experimental techniques needed to study physics in a laboratory setting;
4. Provide sound, coherent, and complete collegiate programs so as to accommodate a wide range of student interests; and
5. Prepare majors for physics research, engineering, law, medicine or high school teaching.

Requirements - Major:

Within the physics major you may select either of two concentrations:

PHYSICS CONCENTRATION:

This program is designed to provide a rigorous introduction to the concepts of physics through a mix of theoretical and experimental course work which will prepare students for graduate studies, a career in engineering, or applied physics. It also provides a sound basis for a career in science education on the high school or elementary school level.

BIOLOGICAL PHYSICS CONCENTRATION:

This program provides you with an interdisciplinary introduction into the exciting field of biological physics designed to prepare you for graduate work in biophysics or biomedical engineering. The program combines mathematics, physics, and biology in an unusual and exciting opportunity for undergraduates. You will be involved in significant research, working directly with world-class faculty at the forefront of this field.

Requirements for a Physics major are:

PHYSICS CONCENTRATION: Majors are required to present a minimum of 36 hours in physics courses numbered 200 or above, including PHYS-C205(1), 206(1), 207(1), C211(4), C212(4), 213(3), 220(3), 264(3), 313(3), 315(3), 340(3), and 398(2). Students must also complete MATH-C210(4) and MATH-207(1) or 200(4), 211(4), 212(4), 260(4), CHEM-113(3), 114(1), or C115(1), or NTSC C151(1.5), 123(3), 124(1), or C125(1) or NTSC C152(1.5), and CMSC180/181(4). Only courses in which a student earns a grade of "C" or better may be counted toward the major. Students planning graduate studies are advised to take MATH-300(3), 361(3), 365(3); PHYS-323(3), 374(2).

BIOLOGICAL PHYSICS CONCENTRATION: Majors are required to complete; BIOL-C108(3), C109(1), 250(3), 251(1), CHEM-C113(3), C114(1), or C115(1) or NTSC C151(1.5), C123(3), C124(1), or C125(1) or NTSC C152(1.5), MATH-200(4) or C210(4) and 207(1), 211(4), 212(4), PHYS-C211(4), C212(4), 213(3), C205(1), 206(1), 207(1) PHYS-313(3), PHYS-315(3), PHYS-323(3), PHYS 398(1) plus 3 additional hours at the 200-300 level in Physics, and 3 additional hours at the 300 level in any of BIOL, BCHM, CHEM, MATH or PHYS. Only courses in which a student earns a grade of "C" or better may be counted toward the major.

A student cannot major in both Health Science and Physics.

Requirements - Minor:

Students seeking a minor in Physics must complete, with a grade of "C" or better: PHYS-C211(4), C212, 213(3), C205(1), 206(1), 207(1) and 6 hours in physics courses numbered 200 and above, including at least 3 credit hours at the 300-level. Only courses in which a grade of "C" or better was received may be counted toward the minor.

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Requirements - Teaching Certification:

Requirements to be a high school Physics teacher: Students desiring to be certified to teach physics on the secondary level (grades 6-12) are to declare themselves as physics majors and education minors and register with the Benedictine University Education Program as teaching certificate candidates. Advisement is then a joint responsibility of the physics and the education programs. Students must complete the requirements for a major in physics, with a physics concentration, as well as the requirements of the Teacher Certification Program in Secondary Education which includes an education minor (see education). Students must also complete PHYS-C107, NTSC-C111 and PHIL-C290.

Political Science

College: College of Liberal Arts

Department: Political Science

Student Type: Traditional Undergraduate

Faculty:

Joel Ostrow, Ph.D.

Roger Rose, Ph.D.

Tammy Sarver, Ph.D., J.D.

Lecturers:

Jim Ryan, Benedictine University Distinguished Fellow

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Objectives:

Political Science students at Benedictine University learn both theoretical and practical material about political systems and their processes, both domestic and international, as part of our overarching goal to develop a strong understanding of the concept of citizenship and commitment to service. Our faculty take pride in challenging our students and helping them to developing critical research, writing and oral communications skills. The Department houses nationally-recognized Mock Trial and Model United Nations programs, and the Center for Civic Leadership and Public Service, directed by Distinguished Fellow and former Illinois Attorney General Jim Ryan. The Center's mission is to inspire students to consider careers in public service and help them to become effective citizens. The program prepares students to pursue career opportunities in national, state and local governments, journalism, education, non-profit organizations, and international development, among others, and graduate study in political science, law, public administration, business, or other advanced study.

The program is designed to:

1. Provide theoretical and practical knowledge about politics in the United States and political systems and processes around the world;
2. Prepare students to pursue careers in law, journalism, business, advocacy groups, non-profit organizations, politics and public service, government, and international organizations and agencies, among others;
3. Provide students an opportunity to choose from concentrations in pre-law or international affairs;
4. Develop writing and research ability and critical thinking essential for success in any career choice;
5. Develop a strong understanding of the concept of citizenship and a commitment to public service;

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6. Provide internships and other non-classroom learning experiences in government, law, and business, and other opportunities under the Center for Civic Leadership & Public Service led by J. Ryan, Distinguished Fellow;
7. Encourage participation in our award-winning Model United Nations and Mock Trial teams.

Requirements - Major:

Political science majors must complete SOCL-C100(3); ECON-C101(3); and PSYC-C100(3). HIST-111(3), 112(3) are strongly recommended. Also recommended are 12 hours in a modern language and HIST-223(3). The major itself consists of a minimum of 36 hours in political science, completed with a grade of "C" or better, including PLSC-C102(3), C205(3), 201(3), C210(3), 299(3), 399(3), and 18 hours in other political science courses, nine hours of which must be at the 300-level. All major and cognate courses must be completed with a grade of "C" or better.

Global Studies (PLSC-101) will not count towards a Political Science major or minor requirement. Students planning to attend law school may pursue the pre-legal concentration.

PRELEGAL CONCENTRATION:

In response to law school recommendations, the pre-legal concentration does not require a specific course of study but focuses on a broad range of offerings out of six academic programs. The thrust is a broad liberal arts background, which makes the student aware of pressing social problems, knowledgeable about the American system of government and capable of reading critically and writing in a clear, concise manner.

The student in the prelegal concentration is required to complete the following courses political science with a grade of "C" or better: PLSC-C102(3), 205(3), 201(3), C210(3), 230(3)/330(3), 231(3)/331(3), 243(3)/343(3), 299 and 399, ECON-C101(3), and five electives from the following courses: ACCT-111(3), 112(3); COMM-317(3); ENVS-205(3); GENS-C100(3); HIST-112(3), 260(3), 265(3); MGT-235(3), 236(3), PHIL-200(3), C240(3), C245(3), C250(3), C260(3), C355(3); PSYC-210(3); SOCL-205(3), 240(3), 260(3), 306(3), 321(3), 391(3); other courses related to the law, as approved by the Pre-Law advisor; or any PLSC 200 or 300 level course.

Requirements - Minor:

Twenty-one semester hours, with a grade of "C" or better, are required for a minor in political science. These 21 hours must include PLSC-C102(3), 201(3), 205(3), 210(3), 299(3) and six more hours above 200, including three hours at the 300-level.

Requirements - Teaching Certification:

Students desiring to be certified to teach political science/civics at the secondary level (grades 6-12) are required to major in social science (See Social Science major). Students must also complete the Teacher Certification Program in Secondary Education described in the education program.

Other Information:

Course repeat policy for majors and minors in Political Science: A student who has received an unsatisfactory grade (below a "C") in a course that satisfies requirements within the major or minor may repeat that course one time only. The course must be completed satisfactorily at Benedictine University.

After three attempts (defined as enrollment beyond the add/drop date), a student will be denied further enrollment in a course within the major.

Pre-Professional Health Programs

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Faculty: Alice N. Sima, R.N., M.S.N., M.B.A., Director

Objectives:

The Office of Pre-Professional Health Programs is responsible for the supervision of the baccalaureate degree program in related health professions. This office also coordinates all health science practica and is responsible for clinical affiliations, external funding and accreditation of the University's health care education programs. The office is the primary advising center within the University for the health professions and provides career information to students interested in medicine (allopathic and osteopathic), pharmacy, dentistry, optometry, podiatry, chiropractic, veterinary science, occupational therapy, and physical therapy.

Requirements - Major:

Pre-Chiropractic Program:

To enter chiropractic school it is strongly recommended that students complete four years at Benedictine University. Suggested programs for the biochemistry/molecular biology, health science or biology major should be followed as most chiropractic schools require eight hours of physics (all with labs), and a minimum of 30 hours of humanities and social sciences.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring semester of the junior year or fall semester of the senior year.

Pre-Dental Program:

Although it is possible to enter dental school after three years of college, it is strongly recommended that students complete four years at Benedictine University. Suggested programs for the biology, health science or biochemistry major should be followed. Most dental schools require one year of organic chemistry; one year of physics; and biology courses including genetics, anatomy, embryology and physiology. It is also recommended that the student take the Dental Aptitude Test (DAT) during the spring semester of the junior year.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year respectively.

Pre-Medical Program:

A student seeking a career in allopathic or osteopathic medicine should plan on completing four years at Benedictine University. The well-qualified candidate should have a strong foundation in basic science and mathematics and advanced science courses should emphasize biology or biochemistry. A good selection of

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appropriate advanced courses is offered by both the biology department and the chemistry and biochemistry department, namely histology, endocrinology, cell biology, biochemistry, clinical chemistry and intermediary metabolism. It is also recommended that the student take the Medical College Admissions Test (MCAT) during the spring semester of the junior year.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year respectively.

Pre-Occupational Therapy Program:

Students seeking a career in occupational therapy should plan on completing a degree in health science or psychology. They would continue their education in a master's degree program in occupational therapy. Graduates from these programs are qualified to sit for the American Occupational Therapy Association Certification Examination. Interviews by, and a recommendation letter from, the Health Service Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year.

Pre-Optometry Program:

A student seeking a career in optometry should plan on completing four years at Benedictine University. The well-qualified candidate should have a strong foundation in basic science and mathematics and advanced science courses should emphasize biology or biochemistry. Suggested programs for the biology, health science or biochemistry/molecular biology major should be followed. It is also recommended that the student take the Optometry College Admissions Test (OCAT) during the spring semester of the junior year.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior years respectively.

Pre-Pharmacy Program:

Students interested in entering pharmacy school should complete the first two years of the pre-pharmacy program. See the Director of the Pre-Professional Health Programs for further information. It is also recommended that the student take the Pharmacy College Admissions Test (PCAT) during the fall semester of the sophomore year.

Benedictine University offers a Dual Acceptance Program with Midwestern University-Chicago College of Pharmacy (CCP) for selected students who successfully complete the specified course work; such students will be granted an early acceptance to CCP. Eligible students must rank in the top 20% of their high school graduating class; must score in the top quartile on a college entrance exam (ACT of 25 or higher; SAT of 1700 or higher); be accepted by Benedictine University; and be selected for an interview by the CCP Admissions Committee.

Successful applicants will be ensured a seat at CCP upon successful completion of the pre-pharmacy requirements at Benedictine University within two years; achievement of a minimum cumulative G.P.A. of 3.20; and earning a grade of "C" or higher in all required courses. Students are not permitted to repeat courses for a higher grade. The PCAT is waived for students who successfully complete the pre-pharmacy program at Benedictine University and who are admitted to CCP via the Dual Acceptance Program. Any student who fails to complete the program can apply to CCP via the traditional route.

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Pre-Physical Therapy Program:

Students seeking a career in physical therapy should plan on completing a degree in health science or psychology. They would continue their education in master's degree or doctoral programs in physical therapy in order to be eligible to apply for and complete the licensing examination in Illinois and other states.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year.

Pre-Podiatry Program:

Although it is possible to enter podiatry school after three years of college, it is strongly recommended that students complete four years at Benedictine University. Suggested programs for the biochemistry/molecular biology, health science or biology major should be followed as most podiatry schools require eight hours of biology, 16 hours of chemistry, eight hours of physics and a minimum of 30 hours of humanities and social sciences. It is also recommended that the student take the Medical College Admissions Test (MCAT) during the spring semester of the junior year.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year respectively.

Pre-Veterinary Program:

Students may apply to the University of Illinois College of Veterinary Medicine after completing three years of college, but the majority of students accepted have earned their bachelor's degree. Suggested programs for the biology, health science or the biochemistry/molecular biology major should be followed as the minimum requirements for admission are eight hours of biology, 16 hours of chemistry, eight hours of physics, three hours in animal science and at least 30 hours of humanities and social sciences. It is also strongly recommended that the student take the Graduate Record Exam (GRE) during the spring semester of the junior year.

Interviews by, and a recommendation letter from, the Health Science Recommendations Committee should be arranged for during the spring or fall semesters of the junior or senior year respectively.

The Health Science Recommendations Committee:

The purpose of this committee is to send out letters of recommendation for students seeking admission to professional programs in the health care areas such as medicine, dentistry, optometry, podiatry, veterinary medicine. To carry out this work the committee meets two times each year, in October and February, to interview applicants. Announcements as to the procedures to be followed in making application to the committee for interviews will be posted on-line. All students seeking admission to professional schools should plan to interview with the members of this committee during the junior year or at the beginning of the senior year.

Psychology

College: College of Liberal Arts

Department: Psychology, Sociology and M.S.C.P.

Student Type: Traditional Undergraduate

Faculty:

James Crissman, Ph.D., Department Chair

Sandra Chmelir, Ph.D.

Dianne Moran, Ph.D.

Kelly Kandra, Ph.D.

Brian Patterson, Ph.D.

Objectives:

Psychology is a science that studies individual, group and societal behaviors and investigates them using experimental, clinical and social-developmental methods. The professional psychologist uses principles derived from research to solve individual, group and organizational problems. This program is designed to:

1. Inform students of results from the experimental, clinical and social developmental areas of research;
2. Introduce the student to the statistics and research methods of psychology;
3. Provide a sound background applicable to the wide variety of careers available with a bachelor's degree; and
4. Serve as a basis for graduate work in psychology or other related professional careers such as medicine, law, social work and business.

Requirements - Major:

Psychology majors must complete MATH-S105(3), S108(3) or S110(3) and fulfill the social science requirement of the core by taking one course in sociology, one in economics and one in political science/anthropology. (Psychology Pre-Physical Therapy or Pre-Occupational Therapy majors must take MATH-S110 to meet the math skills requirement.) Majors are required to complete, with a grade of "C" or better, the departmental core: PSYC-C100(3), 150(3), 251(3), 299(3), 395(3), three courses at the 200 level exclusive of PSYC-251 and 299, and 17 credit hours at the 300 level, exclusive of PSYC-395. Of the 300 level courses, two of these must be four-hour lab courses. One lab course must be from 314-15(4), 316-17(4), or 318-19(4), and one from PSYC-354(4) or 356(4).

Psychology majors in Pre-Physical Therapy or Pre-Occupational Therapy must complete at least 78 hours of courses in this interdisciplinary program. It includes SOCL-213(3), which fills a core social science requirement, MATH 111(3), 15 hours in Biology: BIOL 108/109(4), 203(4), 258(4), and a 300-level elective(3); eight hours in Chemistry: CHEM 113/114(4), 123/124(4); and eight hours in Physics: PHYS 113/114(4), 118/119(4). (Note that the Natural Science core is fulfilled by this program's requirements). There are 41 hours required in Psychology including PSYC 100(3), 150(3), 251(3), 299 (3), and five additional 300 level courses, including two lab courses, with PSYC 318/319(4) as one of them.

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Students pursuing graduate school should take the following classes: PSYC-220 Personality, PSYC-300 Abnormal, and PSYC-391 Topics: Tests and Measurement.

Requirements - Minor:

A minor in psychology consists of a program of courses totaling at least 21 hours with a grade of "C" or better, submitted to and approved by the department chair, including at least 12 hours at the 200 level or above, of which at least three hours must be at the 300-level. PSYC-150, 251 and 299 may not be included for the minor. Requirements for a Life Span minor include a minimum of 25 hours of courses including SOCL 213(3), SOCL 231(3), SOCL/PSYC 310(3), SOCL 356(4), SOCL 371(3), SOCL 386, SOCL 398, SOCL elective. Non-Sociology majors must take SOCL 350(3).

Radiation Therapy

College: College of Science

Department: Pre-Professional Health

Student Type: Traditional Undergraduate

Lecturers:

Bharat.Mittal, M.D., Medical Director, Radiation Oncology - Northwestern Memorial Hospital
Aleksander Zafirovski, R.T., Program Director - Northwestern Memorial Hospital

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

Radiation Therapy uses high energy X-rays, electron beams, or radioactive isotopes as cancer-killing agents. These therapies change the direct physical process of individual cells.

The radiation therapist is a highly specialized healthcare professional who is an important part of the healthcare team. The team includes physician, physicists, and nurses. Radiation therapy is one of the most effective treatments today for many cancers and an increasing number of other medical conditions. The radiation therapist delivers highly technical skills to patients requiring high touch care.

Radiation therapy has a great deal of patient contact; patients are usually seen 15-40 different times over the course of their treatment. The program for majors in Radiation Therapy is designed to prepare students to: Interact compassionately and effectively with people who range from healthy to terminally ill.

Professional responsibilities include, but are not limited to:

1. Performing radiation therapy simulations (setting the patients up for their daily treatments);
2. Delivering daily radiation treatments;
3. Evaluating and monitoring treatment delivery equipment;
4. Performing radiation dose calculations;
5. Working under supervision as a member of the medical team, and
6. Collaborating with physicians and other members of the healthcare team. The Radiation Oncology Team includes physicians, nurses, dosimetrists, radiation therapists, physicists, social workers and administrative staff.

Requirements - Major:

Students in the radiation therapy program must complete at least 90 semester hours with a minimum G.P.A. of 2.8 at Benedictine University. Students **MUST APPLY** for admission to Northwestern Memorial Hospital, our clinical education program affiliate hospital, during their junior year. The admissions process is competitive. Your senior year is a 12-month, 33 semester hour clinical education curriculum in an American

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Medical Association accredited hospital program affiliated with the University. Upon completion of this B.S. program, the student is eligible to sit for the national registry examination in radiation therapy administered by the American Registry of Radiologic Technologists.

Students majoring in radiation therapy must complete the following courses: MATH-111(3); CMSC-180(2), 182(1); PHIL-C240(3); CHEM-C113(3), C114(1), C123(3), C124(1); MGT-150(3); BIOL-C197(3), C198(3), C199 (1), 203(4), 250(3), 251(1), 258(4); PHYS-C113(3), C114(1), C118(3), 119(1). In addition, the following courses must be completed with "C" or better: RADT-330 (2), 331(3), 332(2), 333(2), 334(3), 335(2), 336(2), 337(2), 338WI(3), 339(2), 340(2), 341(2), 342(2), 343(2), 345(2).

Religious Studies (Minor Only)

College: College of Liberal Arts

Department: History, Philosophy and Religious Studies

Student Type: Traditional Undergraduate

Faculty:

John Kloos, Ph.D.

Christine M. Fletcher, M.A.(Oxon), Ph.D.

Lecturers:

Sr. Karen Nykiel, O.S.B., M.S.N.S.,M.A.

Fr. Julian von Duerbeck, O.S.B., M.A.

Mr. Joshua Reilly

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

Students in religious studies will:

1. Study the Judeo-Christian-Islamic traditions as well as other, non-western ones;
2. Evaluate the role of religious ideas and institutions in the contemporary world;
3. Reflect from the viewpoint of the religious traditions about life's ultimate meaning and purpose;
4. Make informed ethical decisions by articulating values and commitments in relationship to those processes (historical, social, technological, political, economic) in which one lives; and
5. Prepare for advanced study, ministry and teaching.

Requirements - Minor:

Religious Studies minors in Christianity, with emphasis on the Catholic tradition: 21 hours, which should include RELS-C150(3), C160(3), C165(3), C220(3), C221(3), C250(3) and a 300-level course arranged with faculty, with a grade of "C" or better.

World Religions: 21 hours, which should include RELS-C100(3), C120(3), C130(3), C285(3) and a 300-level course arranged with faculty, with a grade of "C" or better.

Social Science

College: College of Liberal Arts

Department: History, Philosophy and Religious Studies

Student Type: Traditional Undergraduate

Advisor: Susan Mikula, Ph.D.

Objectives:

This major provides you with a broad introduction to the various social sciences. It is designed for both teaching certificate candidates and those not interested in becoming teachers.

The courses in this program for students in the Teacher Education program were selected to meet the requirements of the Illinois State Board of Education for Social Studies Teachers. The basic major for teachers consists of a 24 hour history field, covering both world and American history, a nine hour political science field and three hours each in anthropology, geography and sociology.

The general social science major, for those not pursuing the teacher certification program, consists of a 21 hour option in history, economics, political science, psychology or sociology, along with either an 18 hour option in another of the above fields, or two 9 hour options in two of the above fields.

Requirements - Major:

The advisor for this program depends on the track chosen: teacher education or general, and in the latter case, on the 21 hour option.

For social science/teacher education or for history, see Dr. Susan Mikula.

For political science, see Dr. Roger Rose.

For economics, see Dr. Tim Goines.

For psychology and sociology, see Dr. James Crissman.

Students desiring to teach social studies at the secondary level (grades 6-12) complete the social science/teacher program. Students must complete, with a grade of "C" or better, 24 hours in history, nine hours in political science and three additional courses in the social sciences. At least 24 hours have to be at the 200 level or above, including nine hours at the 300 level. The major will ordinarily consist of the following:

I. History - 24 hours: HIST 111(3), 112 (3), 203/303 (3), 240 (3), 399 (3), nine additional hours, three each from American, European and world history, at least three of which are to be at the 300 level.

II. Political Science - 9 hours: PLSC 101(3), 102(3), 201(3).

III. Nine hours consisting of these courses: ANTH 200(3), GEOG 106(3) and SOCL 100(3).

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Students must also complete the Teacher Certification Program in Secondary Education described in the education section.

Students majoring in social science who are not going to be teachers will complete at least 42 hours with a grade of "C" or better. At least 24 hours must be at the 200-level or above, of which at least nine hours must be at the 300-level. In this program, students have two options: a 21 hour concentration combined with an 18 hour secondary concentration, selected from the fields of economics, history, political science, psychology or sociology-anthropology OR a 21 hour concentration and two concentrations of nine hours each, selected from the above fields. Requirements for the 21, 18 and nine hour options are:

1. ECONOMICS

- a. If 21 hours then ECON-C101(3), C102(3), 202(3), 310(3), three additional 200-level and six additional 300-level economics hours are required.
- b. If 18 hours, then ECON-C101(3), C102(3), 202(3), 310(3) are required.
- c. If nine hours, then ECON-C101(3), C102(3) are required.

2. HISTORY

- a. If 21 hours, then HIST-111(3), 112(3), 203(3) and 399(3), and nine additional hours of history, of which six hours are to be from European or world history (three hours at the 300-level).
- b. If 18 hours, then HIST 111(3), 112(3), 203(3) and nine additional hours of history at the 200-level or above, of which three hours must be from world history.
- c. If nine hours, then HIST 240(3) and an additional six hours of world history, or HIST-111(3), 112(3) and another three hour American history course.
- d. Required Cultural Heritage courses are HUMN 220(3) and 230(3).

3. POLITICAL SCIENCE

- a. If 21 hours, then PLSC-C100(3), C102(3) or 200(3), 201(3), 299(3), 311(3), and an additional six hours on the 300-level are required.
- b. If 18 hours, then PLSC-C100(3), C102(3) or 200(3), 201(3), 299(3) are required.
- c. If nine hours, then PLSC-C100(3), C102(3) or 200(3) are required.

4. PSYCHOLOGY

- a. If 21 hours, then PSYC-C100(3), nine 200 and nine 300-level psychology hours including PSYC-395(3).
- b. If 18 hours, then PSYC-C100(3), nine 200-level and six 300-level psychology hours.
- c. If nine hours, then PSYC-C100(3) and six 200-level psychology hours.

5. SOCIOLOGY-ANTHROPOLOGY

- a. If 21 hours, then SOCL-C100(3), and 18 additional hours, including nine 300-level hours in sociology or anthropology are required.
- b. If 18 hours, then SOCL-C100(3), and 15 additional hours from sociology and anthropology are required.
- c. If nine hours, in sociology, then SOCL-C100(3) and six 200-level sociology hours: or, if solely in anthropology, then ANTH-C200(3), C208(3) and three additional anthropology hours are required.

Sociology

College: College of Liberal Arts

Department: Psychology, Sociology and M.S.C.P.

Student Type: Traditional Undergraduate

Faculty:

James Crissman, Ph.D., Department Chair

Jane Boumgarden, M.S.W., L.C.S.W., A.C.S.W.

Jonathan Lewis, Ph.D.

Objectives:

Sociology is the scientific study of the variety of ways in which people organize themselves in society and behave. It offers a cross-cultural perspective to understand human behavior. The professional sociologist researches aspects of society such as changing family life or applies sociological research methods and principles to the solution of social problems. This program is designed to:

1. Inform students of sociological research into family, human diversity, neighborhoods, communities and various organizational systems;
2. Introduce students to the statistics and research methods of sociology;
3. Provide a broad background applicable to the wide variety of careers available with a bachelor's degree, focusing especially on social and police agency opportunities; and
4. Serve as a basis for graduate work in sociology, social work, criminal justice, or Life Span Services.

Requirements - Major:

Majors must complete MATH-S105(3) or S108(3), or S110(3) and fulfill the social science requirement of the core by taking one course in psychology, one in economics and one in political science/anthropology. All majors are required to complete a core of:

SOCL-C100(3), 150(3), 205(3), 251(3), 299(3), 350(3) and 395(3) with a grade of "C" or better.

Majors must select one of the two concentrations within the program that have the following requirements, which must be completed with a grade of "C" or better:

SOCIOLOGY: Six courses from SOCL-C210(3), 213(3), 231(3), 234(3), 235(3), 240(3), 245(3), 260(3), 265(3), 270(3), 290(3), 291(3), 301(3), 306(3), 310(3), 321(3), 356(4), 371(3), 394(3), 397(3).

CRIMINAL JUSTICE: SOCL-260(3), 306(3), 356(4), 390(3), plus three courses from SOCL-240(3), 245(3), 265(3), 270(3), 321(3), 371(3), 391(3).

Field placements require a minimum G.P.A. of 2.5.

Requirements - Minor:

A Sociology minor consists of a program of courses totaling at least 21 hours, submitted to and approved by the program director, including at least 12 hours of courses at the 200-level or above, of which at least three

hours must be at the 300-level and must be completed with a "C" or better. PSYC-150, 251 and 299 may not be included for the minor.

Requirements for a Social Work minor:

A Social Work minor consists of twenty-five hours of courses including SOCL-265(3), 301(3), 356(4), 392(3-6), 270(3), PSYC-202(3) or SOCL-310(3) and SOCL-306(3) and one of the following sociology electives: SOCL-C210(3), 240(3), 290(3), 245(3) and 231(3). For non-sociology majors, the elective must be SOCL-350(3).

Requirements for a Life Span minor:

A minimum of 22 hours of courses, including SOCL-213(3); SOCL-231(3); SOCL/PSYC-310(3), 356(4), 371(3), 386(3), 398(3-6), must be completed with a "C" or better and approved by the Director of Life Span Services. Non-sociology majors must take SOCL-350(3).

Requirements - Teaching Certification:

Requirements to be a high school Sociology-Anthropology teacher: Students desiring to be certified to teach sociology-anthropology at the secondary level (grades 6-12) are required to major in social science. (See social science major).

Spanish

College: College of Liberal Arts

Department: Language and Literature

Student Type: Traditional Undergraduate

Faculty:

Rafael Iglesias, Ph.D.

Joaquin Montero, Ph.D.

Beth Vinkler, Ph.D.

Objectives:

The faculty of the Spanish program firmly believes that, for the person who possesses the knowledge of another language and a sensitivity toward other cultures, the world will have fewer boundaries. The development of this knowledge and sensitivity toward other cultures, the world will have fewer boundaries. The development of this knowledge and sensitivity will stimulate students' self growth and broaden their perspective, thus enabling them to become responsible citizens and leaders in the world community.

We currently offer a major and a strong minor in Spanish. In addition, students can combine the Spanish major with other majors such as international business and economics, education, pre-law, pre-med, and social work.

The faculty subscribes to the proficiency guidelines of the American Council on the Teaching of Foreign Languages and uses them as a basis for instruction.

Courses in Spanish are designed to enable students to achieve the following goals:

1. Initiate and progressively develop communicative skills in listening, speaking, reading, writing and culture;
2. Help students recognize the close relationship between language and culture, enabling them to become culturally sensitive to non-English speaking peoples and societies; and
3. Broaden career opportunities and marketability in an increasingly interdependent world.

The program for majors in Spanish is designed to:

1. Enable students to develop at least intermediate-high level proficiency in all four skills, as stated in the guidelines of the American Council on the Teaching of Foreign Languages (ACTFL). At this level students will be able to:
 - a. Create with the language;
 - b. Handle successfully most uncomplicated communicative tasks and social situations;
 - c. Initiate, sustain, and close a general conversation with a number of strategies appropriate to a range of circumstances and topics, although errors will still be evident;
 - d. Ask and answer questions;

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- e. Demonstrate emerging evidence of connected discourse, particularly for simple narration and/or description; and
 - f. Be generally understood even by interlocutors not accustomed to dealing with intermediate-high level speakers;
2. Immerse students in Hispanic culture through study abroad; and
3. Familiarize students with Spanish and Latin American culture, literature, art, and current political issues and their international ramifications.

The program for minors in Spanish is designed to:

1. Enable students to develop at least Intermediate-Mid level proficiency in all four skills, as stated in the ACTFL guidelines. At this level students will be able to:
 - a. Create with the language;
 - b. Handle successfully a variety of uncomplicated, basic and communicative tasks and social situations;
 - c. Talk simply about self and family members;
 - d. Ask and answer questions and participate in simple conversations on topics beyond the most immediate needs, such as personal history and leisure time activities; and
 - e. Be generally understood by sympathetic interlocutors, although misunderstandings may still arise; and
2. Expose students to the culture, values and lifestyle of a society other than their own.

Requirements - Major:

A Spanish major must complete at least 36 hours from among Spanish courses numbered 201 or above, all with a grade of "C" or better. The 36 hours must include 201(3), 202(3), 211(3), 212(3), C220(3), C221(3), 230(3), 231(3), 305(3), either C307(3) or C310(3), 311(3) and 312(3). Students are also required to participate in a study abroad experience in a Spanish-speaking country. Majors must demonstrate Intermediate-High level proficiency, according to the ACTFL guidelines. Spanish proficiency will be measured in an oral interview with a member of the faculty. It is recommended that this interview be arranged as early as the junior year, but it must take place before the second semester of the senior year. The interview may be repeated until the required level of proficiency is demonstrated.

Requirements - Minor:

A minor in Spanish consists of at least 21 hours of Spanish courses at or above the 200-level completed with a "C" or better. Students must complete 201(3), 202(3), 211(3) and 212(3), plus nine more hours, at least three of which are at the 300-level. Minors must demonstrate intermediate-mid level oral proficiency, according to the ACTFL guidelines. Oral proficiency will be measured in an oral proficiency interview with a member of the foreign languages faculty. It is recommended that this interview be arranged as early as the junior year, but must take place before the second semester of the senior year. The interview may be repeated until the required level of proficiency is demonstrated.

Requirements - Teaching Certification:

Students desiring to be certified to teach Spanish at the secondary level (grades 6-12) are to declare themselves as Spanish majors and education minors. Advisement is a joint responsibility of the Spanish and education programs. Students must complete requirements for the major, requirements for the Secondary Education program and for the Teacher Education Program (see Education).

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Other Information:**Language Placement:**

Students who have studied Spanish in high school will take a placement exam.

Language placement exams will also be administered for students who have acquired a level of proficiency in Spanish in a non-classroom setting (e.g. native speakers, home use of Spanish or study abroad), and for those students who have a lapse of a year or more in their language studies.

Upon earning a grade of "C" or better in a language course at Benedictine University at or above the 102-level, students may apply for a maximum of six hours of proficiency credit in that language. The specific course(s) for which students receive credit will be determined by the Benedictine University course(s) taken.

All candidates for the B.A. degree majoring in English language and literature, history, philosophy, music, writing and publishing and international business are required to demonstrate competency in a second language by successful completion of at least one language course at or above the 202-level. These students will be placed in language courses and awarded proficiency credit in languages in accordance with the procedures outlined above.

Study Abroad and Internships:

All majors and minors in languages are strongly encouraged to spend at least a summer, and preferably a semester, abroad in a country whose language the student has been studying. Students in teacher education may study abroad. This experience is vital in that it gives the student the opportunity to observe, firsthand, the culture he or she has been investigating at Benedictine. It also provides real-life intensive language exposure and practice that simply cannot be replicated in the classroom.

Benedictine students have access to a variety of internship and university study programs through Benedictine University and other accredited institutions. The languages faculty, in cooperation with the International Center director, will assist each student in selecting the program best suited to his or her needs and interests.

Language Honor Societies:

Benedictine University has chapters of two international language honor societies on campus. They are the Delta Nu chapter of Phi Sigma Iota, an honor society for students of all languages, and the Nu Kappa chapter of Sigma Delta Pi, the Spanish honor society. Initiation is held for these honor societies each spring. Students who have at least 18 semester hours of college credit in any one language, and who are in the top 35 percent of their class should contact the Chair of the Department of Languages and Literature for more information about these honor societies.

Departmental Distinction:

Students majoring in English Language and Literature or Spanish in the Department of Languages and Literature who meet the following criteria may apply for Departmental Distinction: 1) GPA in the major of 3.5 or higher, 2) Overall GPA of 3.25 or higher, 3) Successful completion of a senior thesis, 4) Oral presentation of a paper at either a regional undergraduate conference or a colloquium sponsored by the department, 5) Active participation in department activities (e.g. Help organize and attend presentations by

invited speakers, off-campus events, and Open Mic sessions, write for and/or work on Different Voices or Quantum Pulp, help organize and run initiation ceremonies for honor societies, etc.), and 6) At least 25 hours of community service related to the field (e.g. Tutoring in the ARC, community literacy volunteer, work at an area social service agency serving the Hispanic community, etc.).

Students interested in working towards Departmental Distinction should speak with their advisor and contact the Chair of the Department of Languages and Literature as early as possible in their academic career. Students must apply for Departmental Distinction during the semester BEFORE the semester in which they plan to graduate (October or February).

Special Education

College: College of Education and Health Services

Department: Teacher Education

Student Type: Undergraduate

Requirements - Minor: See Education

Studio Art

College: College of Liberal Arts

Department: Communication

Student Type: Traditional Undergraduate

Faculty: William Scarlato, M.F.A.

Lecturers:

Charles Boone, M.F.A.

Beth House, B.F.A.E.

Teresa Parker, M.F.A.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

Courses in fine arts are designed to:

1. Train students to produce works of art within the enduring representational tradition and to achieve an acceptable level of individual competency within at least one chosen medium of specialization;
2. Educate students within the Catholic liberal arts tradition, recognizing the ultimately interrelated nature of all knowledge and its ability to foster the mental and spiritual life of each individual;
3. Instill in each student a recognition that the process of education and artistic development is an ongoing, lifelong endeavor worth of setting future developmental goals; and
4. Provide students with an educational background sufficient for entry into graduate study or for entry-level employment in an art or art-related field.

Requirements - Major:

The program will include specific admission requirements. The student must:

1. Demonstrate an interest in, and a capacity for benefiting from study in the arts program; and
2. Submit a formal letter of application outlining his or her background in art (such as courses taken, exhibits participated in, specific works completed and publications). The letter should be submitted before the end of the sophomore year completion for two years of coursework.

The studio art major must complete the following courses with a "C" or better: FNAR-C101(3), C111(3), C203(3), C204(3), C210(3), C250(3), 242(3), 243(3), 311(3), 360(2), 398(3), and one 300-level course of choice(3).

Additional courses in sculpture, photography, and computer art must be taken at the College of DuPage or Consortium Institutions for completion of degree requirements.

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The student will be expected to provide his/her own transportation to the off-site campuses.

Cognate requirements:

In addition to the art courses, students are required to complete six credit hours from the communications discipline and six credit hours of foreign language.

Other Information:

Benedictine University-College of DuPage 2+2 Studio Art, B.A. Program:

Benedictine University and The College of DuPage have established a program to offer students receiving an Associate of Arts degree in Fine Arts at The College of DuPage, the opportunity to attain a Bachelor of Arts in Studio Art, through the completion of an additional two years of study at Benedictine University.

The College of DuPage, Glen Ellyn, Illinois students will take many basic skills, Humanities, Math and Sciences courses along with Art History and Studio courses before entering Benedictine University. Upon completion of the Associate of Arts in Fine Arts requirements, the students may enter the Benedictine University Bachelor of Arts in Studio Art program where core courses and advanced art courses must be completed.

Theology

College: College of Liberal Arts

Department: History, Philosophy and Religious Studies

Student Type: Traditional Undergraduate

Faculty:

Dr. Christine Fletcher

Lecturers:

Fr. Becket Franks, O.S.B., D.Min.

Sr. Karen Nykiel, O.S.B., M.S.N.S., M.A.

Fr. Julian von Duerbeck, O.S.B., M.A.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

The Theology Major combines Benedictine University's unique cultural heritage sequence with classes in theology to provide students with a broad Liberal Arts background that will prepare them to act as responsible global citizens in the 21st century. The theology program aims to present Catholic theology in a course structure designed for a lay person who wishes a deeper understanding of the application of Catholic theology to the great questions of human life.

The program mission is to prepare students to have a intellectual engagement with the Catholic faith which they will bring to their workplace, home and community.

Requirements - Major:

All majors must submit at least 36 credit hours in Major courses, with a grade of "C" or better, of which 21 hours are at the 200 level or above, including 9 hours at the 300 level.

One Writing Intensive course must be completed within the major.

Requirements - Minor:

Minors must complete 21 hours including:

THEO 101, 102, 103, 104 plus six hours at the 200 level and three hours at the 300 level.

Requirements - Other:

Theology in Life Certificate: Certificate Students must complete THEO 101, 102, 103, 104.

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Writing and Publishing

College: College of Liberal Arts

Department: Communication

Student Type: Traditional Undergraduate

Faculty:

Zubair Amir, Ph.D.

Wilson Chen, Ph.D.

Jean Marie Kauth, Ph.D.

Elizabeth B. Kubek, Ph.D.

Luigi Manca, Ph.D.

Peter B. Seely, M.A.

Lecturers:

Gail Pieper, Ph.D.

The Lecturers listed are individuals who have been employed as instructors on an as-needed basis, within the last several years, to teach courses at Benedictine University. Instructors listed may not currently be employed by Benedictine University. The University is fortunate to be able to provide our students with part-time faculty whose experience, credentials and commitment to education add to the high quality of our resident faculty.

Objectives:

The program is designed to:

1. Develop the student's critical and imaginative thinking, reading and writing skills;
2. Develop skills to empower the student to communicate ideas effectively, through speaking, writing and the use of technology;
3. Develop textual interpretation skills media;
4. Foster aesthetic understanding in both production and interpretation of literary and media texts;
5. Develop knowledge of the methods to make responsible social and personal decisions;
6. Develop primary and secondary research methods;
7. Prepare graduates for careers in advertising, electronic and print media, journalism, public relations, publishing, writing or other careers requiring sophisticated communications skills;
8. Prepare for graduate or professional studies;
9. Develop an appreciation and understanding of literature in English and in translation;
10. Increase understanding of significant writers, periods, genres and literary traditions;
11. Teach methodologies for interpreting literary texts;
12. Emphasize the vital role of imagination in cultures;
13. Develop an understanding of the history, structure and operation of the mass media;
14. Provide an understanding of the impact of mass media and messages on the individual and society;
15. Develop professional communication skills for a variety of media and audiences;
16. Develop professional-level production skills for both print and electronic media;

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17. Encourage the development of creative expression; and
18. Help the student develop a professional media portfolio.

Requirements - Major:

Students majoring in writing and publishing must complete 39 hours of courses offered in the Communications Arts and English Language and Literature departments, with a grade of "C" or better, including courses in the following categories:

1. A core of the following communication arts courses: COMM-207(3), 208(3), 209(3), 253(3), 317(3), 353(3).
2. A core of the following five English language and literature courses: LITR-100(3), C263(3), C269(3); one course from LITR-264(3), C279(3), C280(3) or C281(3); and one course from LITR-362(3) or SPAN-310(3).
3. One theory elective from the following courses: COMM-385(3), 386(3), 387(3), 390(3); LITR-305(3), 381(3).
4. One elective from the following courses: COMM-337(3), 381(3); LITR-369(3), 370(3).

Through working with advisors, majors will be guided in the selection of courses within and outside the departments to plan a program of studies tailored to individual educational and career goals. Majors are required to complete at least one modern language course at or above the 202-level.

Requirements - Other:

Writing and Publishing major for pre-law students:

While stating that no single major is recommended for admission to law school, the "Statement on Prelegal Education of the Association of American Law Schools" emphasizes the necessity for the "need to master, at the undergraduate level, advanced writing skills and effective oral communication....Truly, the law-trained man or woman, to perform effectively the tasks expected, must be a precisionist in the use of language."

Students interested in law school who choose communication arts, English language and literature or writing and publishing as a major are advised to take, in addition to requirements, the following courses, some of which may be applicable to the divisional cores: PHIL-C260 or C355(3) and a history course; ECON-C101(3), ACCT-111(4), PLSC-202(3) and Statistics; CMSC-100(3), BIOL-C108(3) and BCHM-C100(3).



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Academic Discourse Undergraduate (

ADU 100 Orientation. This course is designed to provide an introduction to the Benedictine University community for international students. Students will become comfortable with key aspects of the academic culture and community of the University, will be provided with support and information for various aspects of academics and campus life, and will build confidence and skills through interaction with members of the Benedictine University community. Fall. *Consent Required.* '

ADU 101 Introduction to Academic Discourse. This course focuses on the development of reading, writing, and study skills for a range of academic purposes, disciplines, and audiences. Assessment of student work is by portfolio submission. Co-requisite: ADU 100. Fall. 3 semester hours. *Consent Required.* '

ADU 102 Success in the American Classroom. This course integrates and extends academic discourse skills practiced in ADU 101, with a focus on longer writing assignments, oral presentation skills, and discipline-specific research and writing. Assessment of student work is by portfolio submission. Pre-requisites: ADU 100; ADU101, or placement. Pre-requisite or co-requisite: WRIT 101 designated section or placement. Spring 3 semester hours. %

ADU 110 Introduction to Spoken Academic Discourse. This course focuses on developing advanced listening and speaking skills for a range of academic purposes, disciplines, and audiences. Assessment of student work is by portfolio submission. Pre- or co-requisite: ADU 100, or placement. Fall. 3 semester hours. *Consent Required.* '

ADU 111 Academic Skills Lab. Sequence of lab sessions designed to support and consolidate speaking and listening skills. Repeatable once for credit. Pre- or co-requisites: ADU 100; ADU 101 or WRIT 101 designated section, or placement. Periodically. 1.5 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 3.* '

ADU 112 Individual and Small Group Study Lab. Sequence of study groups and activities that support academic skills across the curriculum. Repeatable for credit. Pre-requisite or co-requisite: ADU 100, ADU 101 or WRIT 101 designated section or placement. Periodically. 1.5 semester hours. *Course Repeatable. Maximum number of units allowed 90.* '

ADU 113 Self-Guided Skills Lab. Sequence of individual study sessions using on-line and other self-paced materials. Repeatable for credit. Pre- or co-requisites: ADU 100; ADU 101 or WRIT 101 designated section. Periodically. 1.5 semester hours. *Course Repeatable. Maximum number of units allowed 90.* '

ADU 114 Advanced Academic Skills Lab. Sequence of study groups and activities that support advanced academic skills across the curriculum. Repeatable for credit. Pre- or co-requisites: ADU 100; ADU 101 or WRIT 101 designated section. Periodically. 1.5 semester hours. *Course Repeatable. Maximum number of units allowed 90.* '

Accounting (

ACCT 100 Fundamentals of Accounting for Decision Making. This course is for non-business majors only, who would like to learn the basics of accounting. Students are introduced to fundamental accounting concepts and information. They will learn to apply and use accounting fundamentals to start and run their own business or non-profit organization and for their personal use. Its content overlaps with both ACCT 111 and ACCT 112 so credit cannot be given for ACCT 100 and either of ACCT 111 or ACCT 112. Students are introduced to fundamental accounting concepts and information. They will learn to apply and use accounting fundamentals to start and run their own business or non-profit organization and for their personal use. Yearly. 3 semester hours. Business/Economics Core Elect



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ACCT 111 Accounting I. Principles of financial accounting; including the basic structure of accounting, accounting systems, and controls, the preparation and use of financial statements, and problems related to financial disclosures. Credit will not be granted for both ACCT 111 and ACCT 115. IAI BUS 903. Fall and Spring semesters. Prerequisite: Math 105 or Math 110 or coregistration in Math 105 or Math 110. 3 semester hours. %

ACCT 112 Accounting II. Principles of managerial accounting; including cost accounting, planning and control systems, and analysis and interpretation of financial statements. IAI BUS 904. Fall and Spring semesters. Prerequisite: ACCT 111 3 semester hours. %

ACCT 120 VITA Service Learning. A service learning course built around the Internal Revenue Service (IRS) volunteer income tax assistance (VITA) program. Students must participate in the training, successfully complete an IRS take-home exam, and participate in at least one volunteer income tax advising session. Prerequisite: Instructor or Department Chair consent. 1 semester hour. *Course Repeatable. Maximum number of units allowed 3.* '

ACCT 211 Intermediate Accounting I. A thorough study of balance sheet accounts integrated with an analysis of their relationship to the income statement. Fall semester. Prerequisite: ACCT 111. 3 semester hours. %

ACCT 212 Intermediate Accounting II. A thorough study of balance sheet accounts integrated with an analysis of their relationship to the income statement. Spring semester. Prerequisite: ACCT 211 3 semester hours. %

ACCT 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

ACCT 310 Accounting Information Systems. Students will learn to analyze the role of accounting information systems within a company's operating systems; appreciate the wider view of accounting's role in an organization as an integrated and comprehensive database; and learn the connections between transaction cycles, internal controls, and computer ethics. Students will use accounting software to complete projects and study auditing of accounting information systems, databases and e-business. Sophomore standing. Fall-yearly. Cross listed with MIS 510. Pre-requisite: ACCT 111 and ACCT 112. 3 semester hours. %

ACCT 311 Cost Accounting. A comprehensive study of the methods of accounting for manufacturing operations with a special emphasis on profit planning and operating controls. Pre-requisite: ACCT 112. 3 semester hours. %

ACCT 312 Federal Taxation. An introductory study of federal regulations covering income taxation of individuals and businesses. Fall semester. Prerequisite: ACCT 112 3 semester hours. %

ACCT 313 Auditing and Assurance Services. An intensive study of generally accepted auditing standards and procedures. Fall semester. Prerequisite: ACCT 212 3 semester hours. %

ACCT 315 Advanced Accounting. A study of the accounting methods for consolidations, foreign subsidiaries, governmental organizations, non-profit entities, and partnerships. Spring semester. Prerequisite: ACCT 212 3 semester hours. %



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ACCT 321 Forensic Accounting. A comprehensive study of forensic accounting topics. This course provides students of all majors, concentrations and level of study with a background in the field of forensic accounting - fundamentals, tools and accounting applications. Cross listed with MBA 606. Prerequisite: ACCT 111. 3 semester hours. %

ACCT 322 Fraud Examination. An examination of schemes used by executives, managers, and employees to commit fraud against their organizations and the prevention, detection, and investigation strategies used to combat these schemes. Cross listed with MBA 607. Prerequisite: ACCT 321. 3 semester hours. %

ACCT 323 Computer Fraud. This course provides an understanding of how fraud is accomplished by the use of computers and the Internet. It discusses the types of computer fraud that can occur in organizations and how computer fraud can be prevented. Cross listed with MBA 609. Prerequisite ACCT 321. 3 semester hours. %

ACCT 324 Fraud and the Legal Environment. This course examines criminal theory relating to fraud, existing legislation governing fraud, and preparation of fraud cases in the court system. Cross listed with MBA 608. Prerequisite ACCT 321. 3 semester hours. %

ACCT 380 Issues in Corporate Financial Reporting. An intensive and extensive study of corporate reporting to understand and evaluate the application of financial accounting theory and concepts. This course has a substantial accounting research component making up two-thirds of the course. Spring semester. Prerequisite: ACCT 212, senior standing. 3 semester hours. %

ACCT 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

ACCT 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

American Studies (

AMS 200 U.S. Cultural Studies. Incorporates elements of fiction and non-fiction in the study of various topics of race, gender and class in American Studies. Topics will vary. 3 semester hours. %

Anthropology (

ANTH 200 Cultural Anthropology. Study of the origins of mankind and culture. Development of human language, culture, and institutions, cross cultural analysis of societies, and cultures. IAI S1 901N. 3 semester hours. Anthropology/Poli Sci Core Ele

ANTH 201 Physical Anthropology. Focuses on forces producing humans in their present form. The study of evolution, population genetics, and the fossil record. Periodically. %
 Prerequisite: BIOL 108 or 197 and 198. 3 semester hours. %

ANTH 207 Contemporary Industrial Society. This course examines the social and cultural make-up of advanced industrial societies in terms of technology, lifestyles, urbanism and environment. 3 semester hours. %



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ANTH 208 The Anthropology of the Third World. A study of developing nations. Analyzes the relationship between culture, environment, and society in economic spheres, emphasizing the Third World 3 semester hours. Anthropology/Poli Sci Core Ele

ANTH 210 Peoples and Cultures of World Regions. Alternating People/Cultures of Latin America, Africa and East Asia. 3 semester hours. Anthropology/Poli Sci Core Ele

ANTH 290 Social and Cultural Change. Analysis of large scale historical change, the succession of types of societies and the emergence of the contemporary world. Evolution of social institutions (the family, religion) and speculation about significant future change. Annually. 3 semester hours. %

ANTH 291 Topics in Anthropology. Topics such as globalization, cultural survival of indigenous peoples, Native American cultures, development and readings in anthropology. Periodically. 3 semester hours. *Course Repeatable.* *Maximum number of units allowed 3.* '

ANTH 292 Business Anthropology: Culture and International Business. Introduction to the impact of cultural variation on the functional areas of business with emphasis on globalization and the development of the world system. 3 semester hours. % Anthropology/Poli Sci Core Ele

ANTH 295 Independent Study. Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. Prerequisite: Permission of the department or of the instructor. 3 semester hours. *Consent Required.* '

ANTH 309 People, Culture & Environment. The relationship between environment and social organization including subsistence activities, resource exploitation and development. 3 semester hours. Anthropology/Poli Sci Core Ele

ANTH 391 Topics in Anthropology. Topics such as globalization, cultural survival of indigenous peoples, Native American cultures, development and readings in anthropology. Periodically. 3 semester hours. %

Arabic (

ARBC 101 Elementary Arabic I. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. 3 semester hours. %

ARBC 102 Elementary Arabic II. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Spring.
Pre-requisite: ARBC 101 or placement. 3 semester hours. %

ARBC 191 Conversation and Culture. This course provides an introduction to and highlights of Arabic culture and basic language skills. Spring term. 1 semester hour. %

ARBC 201 Intermediate Arabic I. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Periodically. Prerequisite: ARBC 102 or placement. 3 semester hours. %



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ARBC 202 Intermediate Arabic II. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Periodically. Prerequisite: ARBC 201 or placement. 3 semester hours. %

Astronomy (

ASTR 105 Astronomy. Examines astronomical phenomena and concepts including the solar system, stars, galaxies, planetary motions, atoms and radiation and the origin and evolution of the universe. 4 semester hours. %

Benedictine Beginnings (

BENB 100 Benedictine Beginnings. New Student Orientation

Bilingual Journalism (

BIJR 150 Bilingual Journalism. Introduction course in Bilingual Journalism. A hands-on approach to teaching news editing for Spanish publications parallels Comm 150: Introduction to Communications. 3 semester hours. %

BIJR 207 Editing Publications - in Spanish. A hands-on approach to teaching news editing for Spanish publications parallels Comm 207: Editing for Publications. Offered in Even Years Only. Pre-requisite: Comm 209. 3 semester hours. %

BIJR 337 Advanced Journalism Writing - in Spanish. A hands-on approach to teaching advanced journalism writing for Spanish publications parallels Comm 337: Advanced Journalism Writing. Offered in Even Years Only. Pre-requisite: Comm 209. 3 semester hours. %

BIJR 353 Advance Writing, Editing and Page Design for Publications - in Spanish. A hands-on approach to teaching advanced writing, editing and page design for Spanish publications parallels Comm 353: Adv Writing, Editing & Page Design for Publications. Offered Even Years Only. Pre-requisite: Comm 208. 3 semester hours. %

Biochemistry (

BCHM 100 Impact of Science and Technology on Society. Current scientific issues of personal and national interest, e.g. drugs, nutrition, energy, pollution, etc. Fall and Spring. 3 semester hours. Life Science Core Elective

BCHM 251 Introduction to Biochemistry. The structures and functions of carbohydrates, lipids, proteins, and nucleic acids and their reactions in metabolic pathways. Restricted to Nutrition majors. Prerequisite CHEM 103. Fall. (Students cannot earn credit in BCHM 251 and BCHM/ BIOL 261 or BCHM 361). 3 semester hours. Life Science Core Elective

BCHM 261 Principles of Biochemistry. The structures and functions of carbohydrates, lipids, proteins, and nucleic acids and their reactions in metabolic pathways. (Students cannot earn credit in both BCHM 261 and 361). IAI CLS 910; NUR 910. Prerequisite: CHEM 247. Fall and Spring 3 semester hours. Life Science Core Elective

BCHM 290 Selected Topics in Biochemistry. Current topics in Biochemistry. 1-3 semester hours. *Course Repeatable.* *Maximum number of units allowed 99. '*

BCHM 292 Research Literature. Discussion and application of online sources containing scientific publications and other information, e.g., SciFinder. The introduction of a report for a research project will be completed. 1 semester hour. %



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BCHM 295 Biochemistry Teaching. Opportunity for a student to work as a teaching assistant in the chemistry department. Fall, Spring, and Summer. Prerequisite: Department Consent *Consent Required. Course Repeatable. Maximum number of units allowed 8.* '

BCHM 361 Biochemistry. The structure and function of the major chemical components of biological systems are described. The major topics include water, buffers and pH; proteins; enzymes; carbohydrates; lipids; and vitamins. Prerequisite: CHEM 247. Fall 3 semester hours. Life Science Core Elective

BCHM 362 Protein Biochemistry Lab. A laboratory course in which protein purification and characterization will be carried out. In addition some of the aspects of the structure and function of proteins and enzymes will be explored. This course is intended for biochemistry/molecular biology majors. Fall. Prerequisite: BIOL 260 and credit or co-registration in BCHM 361. 1 semester hour. %

BCHM 365 Intermediary Metabolism. The major metabolic pathways and cellular bioenergetics are discussed. An emphasis is placed upon the chemistry of these processes. Prerequisite: BCHM 361. Spring 3 semester hours. %

BCHM 390 Selected Topics. Current advanced topics in Biochemistry. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

BCHM 393 Biochemical Internship. Practical experiences in biochemistry under the supervision of the program faculty. Each semester. Prerequisite: Consent of faculty coordinator. 1-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

BCHM 398 Biochemical Research. Required for all biochemistry/molecular biology majors. Original experimental research conducted under the supervision of a faculty or adjunct faculty member. Projects may be conducted on campus or at an affiliated research facility. Publication of the data in a scientific journal is a course objective. Prerequisite: Consent of Instructor. Fall, Spring, and Summer. 1-3 semester hours. *Consent Required.* '

Biology (

BIOL 105 Physical Geography. An introduction to hydrology and the physical processes operating in and on the planet earth. Topics of study will include ground and surface water, the hydrologic cycle, watershed models, groundwater recharge, geomorphology, tectonics, structural features, and geological processes relating to natural resource management, environmental processes and concerns. Periodically. 3 semester hours. Physical Science Core Elect

BIOL 120 Genetics of Everyday Life. Introduces the non-science major to the classical principles of genetics. Emphasis is on human genetic disease and genetic biotechnology including social, cultural and ethical implications. Periodically. 3 semester hours. Life Science Core Elective

BIOL 130 The Search for Life in Outer Space. Integration of biology and astronomy to address the provocative questions of whether we are alone in the universe, how life originated on earth and whether we can find or contact extraterrestrial life. Periodically. Intended for non-biology majors. 3 semester hours. Life Science Core Elective

BIOL 135 Forensics. Fundamental principles and methods of biological forensics. Intended for non-biology majors. Life Science core. 3 semester hours. Life Science Core Elective



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BIOL 140 Origins of Humanity. Introduction to human evolution. Introduces the nonscience major to what the fossil record reveals, the place of humans in the natural world and the biological reasons for modern human physical variation. Periodically. 3 semester hours. Life Science Core Elective

BIOL 150 Biology of Women. Discusses biology of gender with special emphasis on the physical structure, function and health concerns of women. The purpose of the course is so that both women and men can understand the complex functioning of the female body and women's unique health issues. Intended for non-biology majors. Periodically. 3 semester hours. Life Science Core Elective

BIOL 155 Anatomy and Physiology. Integrated approach to structure and function of the human body. All the major organ systems will be studied. For physical education majors. Life Science Core. Pre-requisite: High School Biology and Chemistry. 4 semester hours. Life Science Core Elective

BIOL 160 Plagues and People. This is a course for non-biology majors, as an introductory survey of microbiology that focuses on plagues and their effects on people. It introduces students to collegiate-level thinking and investigating issues in science and biology. Periodically. 3 semester hours. Life Science Core Elective

BIOL 170 Animal Behavior. Exploration of animal behavior including how evolution, genetics and ecology play a role in animal diversity. Intended for non-biology majors. Periodically. 3 semester hours. Life Science Core Elective

BIOL 180 The Ecology of a Changing Planet. Introduces the nonscience major to the basic ecological processes and science that are involved in many environmental concerns. Periodically. 3 semester hours. Natural Sciences Core Elective

BIOL 191 Selected Topics. Special topics in biology at an introductory level. Periodically. 1-3 semester hours. Life Science Core Elective *Course Repeatable. Maximum number of units allowed 99.*

BIOL 197 Principles of Organismal Biology. Key concepts in biology on which advanced courses will build. Includes development, reproduction, evolution and survey of the animal and plant kingdoms. Each semester. For science majors. 3 semester hours. Life Science Core Elective

BIOL 198 Principles of Biology. Key concepts in biology on which advanced courses will build. Includes basic biological molecules, molecular biology, cell structure/function, transport processes, bioenergetics and genetics. Each semester. For science majors. 3 semester hours. Life Science Core Elective

BIOL 199 Principles of Biology Lab. Methods and techniques of laboratory investigation. Credit or co-registration in BIOL 198 or equivalent and "C" or better in MATH 110 or MATH 105 or Math 108 or above. 1 semester hour. Life Science Core Elective

BIOL 201 Physical Anthropology. Focuses on forces producing humans in their present form. The study of evolution, population genetics, and the fossil record. Periodically. %
Prerequisite: BIOL 108 or 197 and 198. 3 semester hours. %

BIOL 203 Human Anatomy. Study of the structure of the human organism. Lab. A biology major cannot receive credit for both BIOL 203 and 254. Each semester. IAI CLS 903; NUR 903.
Prerequisite: BIOL-C108 / BIOL 197 and 198. 4 semester hours. %



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BIOL 204 Advanced Botany. A detailed study of the plant kingdom using a morphological and anatomical approach. Labs will also include aspects of plant ecology and physiology. Labs will consist of microscope slide work, dissections and plant physiology. Each semester. Prerequisite: BIOL 108, BIOL 109 or BIOL 197, 198, 199 and CHEM 113. 4 semester hours. %

BIOL 205 Environmental Science. A survey of environmental science with an emphasis on global concerns, biological and physical resources, resource use, conservation issues, and the interactions among science, society, and the environment. Spring. Prerequisite: BIOL 108 or 197 and 198. 3 semester hours. %

BIOL 208 General Microbiology. Comprehensive survey of the biology of microorganisms, especially bacteria. Includes topics in growth, metabolism, physiology, taxonomy, ecology and biotechnology. Lecture and lab. Each semester. IAI CLS 905; NUR 905. Prerequisite: BIOL 108 and BIOL 109 or BIOL 197, 198, and 199. 4 semester hours. %

BIOL 210 OSHA Hazardous Waste Operation & Emergency Response Training. Forty classroom hours of training in recognition, evaluation, and proper work practices dealing with hazardous materials and wastes in compliance with 29CFR 1910.120. Students passing the course will receive a certificate renewable every year allowing them to work on sites in compliance with the federal statute. There will be an extra certification fee associated with the course. Spring. Cross listed with ENVS / BIOL 210. 1 semester hour. *Consent Required.* '

BIOL 211 OSHA Hazardous Waste Operations and Emergency Response Training Refresher. Eight classroom hours of training in the recognition, evaluation, and proper work practices dealing with hazardous materials and hazardous waste evaluation. The class is for the annual recertification in compliance with 29CFR 1910.120 for students who have passed ENVS-210 or who have current valid certification through other institutions. There will be an extra certification fee associated with the course. Prerequisite: ENVS /BIOL 210. Spring. Cross listed: ENVS / BIOL 211. 1 semester hour. % *Consent Required.* '

BIOL 224 Field Botany. Identification and classification of native and naturalized flowering plants of Illinois. Periodically. Prerequisite: BIOL 108, BIOL 109 or BIOL 197, 198, and 199. 3 semester hours. %

BIOL 228 Vertebrate Embryology. Developmental anatomy, genetics and physiology of vertebrates. Lecture and lab. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 4 semester hours. %

BIOL 229 Biostatistics. A quantitative approach to biology; emphasis is on the design and analysis of biological experiments. Each semester. Prerequisite: MATH 110 or placement higher than 110, BIOL 108 and BIOL 109, BIOL 197, 198, and 199 or NTSC 152. 3 semester hours. %

BIOL 230 Plant-Soil Relationships. Topics include effects of soil on plant growth and nutrition and how plants affect the soil. ACCA Cooperative College Botany Program with the Morton Arboretum. Periodically. Prerequisite: BIOL 108/109 or BIOL 197, 198. 3 semester hours. %

BIOL 249 Parasitology. The morphology and life histories of animal parasites and their relation to the spreading of disease. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 3 semester hours. %

BIOL 250 Genetics. A survey course emphasizing Mendelian inheritance, molecular, cellular and medical genetics as well as current genetic research and its applications. Each semester. Prerequisite: BIOL 108, or 197 and 198 and CHEM 123. Sophomore Standing. 3 semester hours. %



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BIOL 251 Genetics Laboratory. Designed to illustrate principles formulated in BIOL 250. Each semester.
Prerequisite: Registration or credit in BIOL 250. 1 semester hour. %

BIOL 254 Comparative Vertebrate Anatomy. Comparative and phylogenetic study of the anatomy of vertebrates. Lab and museum work. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 4 semester hours. %

BIOL 256 Comparative Animal Physiology. A study of basic life functions in animals emphasizing the mechanisms for maintenance of homeostasis in response to environmental factors such as water and dehydration, salts and ions, temperature, light, and daily and seasonal rhythms. May or may not be offered with lab. Periodically. Prerequisite: "C" or better in BIOL 108, or BIOL 197 & 198, and CHEM 103 or 123. 3-4 semester hours. %

BIOL 258 Human Physiology. The study of the control and function of human organ systems. Lecture only. IAI CLS 904; NUR 904. Pre-requisite: "C" or better in CHEM 103 or 123 and BIOL 108; or BIOL 197 & 198. 4 semester hours. %

BIOL 259 Human Physiology Laboratory. Lab uses standard clinical equipment to illustrate principles of physiology. Each semester. IAI CLS 904; NUR 904. Prerequisite: Registration or credit in BIOL 258. 1 semester hour. %

BIOL 260 Recombinant DNA Lab. Current techniques in manipulating DNA, such as PCR and subcloning, for expression of proteins. Gene product will be studied further in subsequent labs in the series. This lab is intended for Biochemistry/Molecular Biology majors. Spring. Prerequisite: Credit in BIOL 108 or BIOL 197 and 198, CHEM 123, NTSC 152 or BIOL 199 and BIOL 250. 1 semester hour. %

BIOL 263 Tropical Ecology. A course on the composition and change in contemporary and historical tropical forests. Includes surveys of plants and animals and their interactions, and ecological concepts controlling biodiversity. Depending on the year, either Spring term on-campus lectures with local weekend field trip(s), or Summer term longer trip to site in Costa Rica. Periodically. Prerequisite: BIOL 197 and 198. 3 semester hours. %

BIOL 271 Biology of Mammals. The habits, classification, life histories, and economic relations of North American mammals, Museum work. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 3 semester hours. %

BIOL 273 Biology of Birds. The habits, classification, and life histories of North American birds. Museum and field study. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 3 semester hours. %

BIOL 275 Invertebrate Zoology. Survey of major invertebrate animal groups through comparative study of their biodiversity, anatomy, physiology, development, and ecology. Focus on evolutionary relationships and importance of reproductive, development, feeding, mobility, skeletonization, bilaterality, cephalization, terrestrialization, parasitism, and carnivory. Pre-requisite: BIOL 197/198 3 semester hours. %

BIOL 279 Freshwater Ecology. Relationships between water, animals, plants and humans are investigated using the Shedd Aquarium as the laboratory. An introduction to the components of a freshwater habitat and a survey of the plants and animals that exist there. Pre-requisite: BIOL 108 or BIOL 197 and 198. Instructor consent. Offered Fall, periodically. 3 semester hours. *Consent Required.* '



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BIOL 280 Marine Mammology. Classification, distribution, feeding habits, physiology anatomy and reproduction of marine mammals will be investigated using the Shedd Aquarium as the laboratory. Prerequisite: BIOL 197, 198, 199. Departmental consent. 3 semester hours. *Consent Required.* '

BIOL 281 ACCA Seminar. Evening seminar dealing with advanced topics in biology. Topics are announced. Each semester. May be repeated. Prerequisite: Consent of instructor. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

BIOL 282 Vascular Plant Taxonomy. An introduction to the theory and practice of vascular plant classification. Field work and a personal collection are required. ACCA Cooperative College Botany Program with the Morton Arboretum. Periodically. Prerequisite: BIOL 108 or BIOL 197 and 198. 4 semester hours. %

BIOL 283 Contemporary Ethnobotany. A study of the influence of plants on our economic, social and political history, and plants humans have chosen to protect and cultivate. Lab includes horticultural and identification work with economically important plants, and trips to plant conservatories. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198. 3 semester hours. %

BIOL 284 Woody Plants of the Western Great Lakes Region. An introduction to the composition and identification of the woody flora of the western Great Lakes region. The impact of geology, climate and soils on the development of woody flora will also be considered. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198. 4 semester hours. %

BIOL 285 Biology of Algae. An introduction to the algae, including the classification, structure and reproduction of major groups. Lab includes field collections and laboratory studies of local freshwater and soil algae. Practical applications in waste management, environmental monitoring and agriculture will be considered. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198. 4 semester hours. %

BIOL 286 Biology of the Fungi. An introduction to the fungi; including classification, structure, ecology, and identification of the significant groups. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198 4 semester hours. %

BIOL 287 Plant Ecology. Examination of the structure/function relationships of plants to environmental factors, interrelationships of plant communities, laboratory and field techniques, and appropriate literature. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198. 4 semester hours. %

BIOL 288 Medical Botany. Study of use of plants in medical practice and as sources of medicine. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 or BIOL 197 and 198 and CHEM 123. 3 semester hours. %

BIOL 289 Plant/Animal Interactions. Studies the special ecological and evolutionary relationships between plants and animals (herbivory, pollination and seed dispersal). Includes natural history, experiments, theory and current research. ACCA Cooperative College Botany Program with the Morton Arboretum. Prerequisite: BIOL 108, BIOL 109 4 semester hours. %



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BIOL 290 Marine and Island Ecology of the Bahamas. Exploration of habitats and animals found on and around the Bahamian Islands. Includes a nine-day field experience in the Bahamas. Course offered ACCA Cooperative College Program at the Shedd Aquarium. Pre-requisite: BIOL 108/109 or BIOL 197, 198, 199. (Saturday meeting times, swim and snorkel checkout, additional for field experience payable to the Shedd and the need to register with the Shedd). 4 semester hours. %
Consent Required. '

BIOL 291 Selected Topics. Special topics in biology chosen for the interests or needs of students. Periodically. Prerequisite: Consent of instructor. 1-4 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

BIOL 292 Biology Teaching. Opportunity for motivated students that have demonstrated excellent ability in theoretical aspects and practical techniques covered in prior laboratory coursework with experience to (1) assist in the teaching of an undergraduate laboratory science course, (2) grade assignments and tests, and (3) prepare reagents and equipment for laboratory use. Each semester. Prerequisite: Consent of instructor. Maximum of 2 credits allowed towards major. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 9. '*

BIOL 295 Independent Study. Provides opportunity for advanced major to pursue study in a field of biological interest. Periodically. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

BIOL 299 Quantitative Biology Laboratory for Transfer Students. Methods and techniques of biology laboratory investigation. Experimental design, data collection and statistical analysis, graphical representation of data, interpretation of results. Includes Biological Science Department orientation activities for transfer students. %
Required for transfer students majoring in the biological sciences. 1 semester hour. %

BIOL 300 Limnology. The study of the interrelations among the physical, chemical, and biological components of freshwater ecosystems. Includes taxonomy, adaptations, distributions, and abundance of aquatic organisms. Periodically. Prerequisite: BIOL 229, CHEM 124 or CHEM 236. Cross-listed ENVS / BIOL 300. 3 semester hours. %

BIOL 301 Human Evolution. An in-depth look at the physical and behavioral evolution of humans. This course will focus primarily on the human fossil record from seven million years ago to the origin of Homo sapiens, with concentration on the functional anatomy of early humans. Pre-requisite: BIOL 201 or BIOL 203. Periodically. 3 semester hours. Writing Intensive

BIOL 305 Environmental Toxicology. A study of the toxic effects of chemicals on human and ecological populations. Includes the physiological, genetic, and teratogenic effects of chemicals on humans and the study of biomagnification of chemicals through the food chain. Case studies and risk modeling using computers will be included to integrate theory and regulatory compliance. Periodically. Prerequisite: BIOL 256 or BIOL 258. Cross listed with ENVS / BIOL 305. 4 semester hours. %



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BIOL 310 Biophysics and Physiological Modeling. Biophysics and Physiological Modeling. Students will develop simple models that can be implemented in an Excel spreadsheet and compared with experimental or clinical data when available. Topics covered include drug elimination; distribution of O₂, CO₂ and glucose; osmosis and homeostasis of erythrocytes; fluid dynamics and blood flow; kinetics of motors, carriers, and RNA; membrane transport and drug delivery; diffusion of neurotransmitters; ion channel permeation and gating; ion channels and the action potential. Intended for Biology and Health Science Majors. (Students cannot earn credit in both BIOL 310 and BIOL/CHEM/PHYS 323). Pre-requisites: PHYS 118 or 212 and CHEM 123 and MATH 111. 3 semester hours. %

BIOL 313 Evolution. A study of evolutionary processes, including Darwinian and non-Darwinian evolutionary theory, genetic mechanisms, social issues, and the role of natural selection in the formulation of species and higher categories. Emphasis is placed on the phylogeny of major animal groups and human evolution. Periodically. Prerequisite: BIOL 250. 3 semester hours. %

BIOL 319 Histology. The microscopic anatomy of the tissues and organs of vertebrates. Lecture and lab. Periodically. Prerequisite: "C" or better in BIOL 258. 4 semester hours. %

BIOL 321 Ornithology. The basic biology, evolution, behavior, identification and ecology of birds. Laboratory, museum and field study 4 semester hours. %

BIOL 322 Paleobiology. Using fossils to understand the evolutionary and ecological history of life. Topics such as mass extinctions, evolutionary diversifications, quantification of evolutionary rates, microevolution and speciation in the fossil % record, evolutionary development, evolutionary transitions, fossilization, climate change, competition, functional morphology, conservation biology, and long-term trends in evolution and ecology are covered. Prerequisites: BIOL 199 and 275. Periodically. 4 semester hours. %

BIOL 323 Biophysics. A calculus-based introduction to biophysical concepts and computational methods for science majors using Excel. The course is an integrated lecture and computer lab experience. Topics covered include membrane transport, equilibrium and the Nernst potential, properties of random walks and diffusion, and an introduction to molecular dynamics methods. (Students cannot earn credit in both BIOL/CHEM/PHYS 323 and BIOL 310). Prerequisites: CHEM 123, PHYS 118 or 212, MATH 211 or 221. Spring. Cross listed with BIOL/CHEM/PHYS 323. 4 semester hours. Writing Intensive

BIOL 325 Biology of Complex Systems. Survey of emergent and organizing principles in complex biological systems ranging from genomes and cells to tropical forests, including human systems via genomics, pharmacogenomics, cardiovascular biology, and behavior. Themes include structure of complex networks, scaling relations, phase transitions and self-organized criticality. Prerequisites: BIOL 250 or 340 and permission of instructor. Periodically. 3 semester hours. *Consent Required.* '

BIOL 333 Plant Physiology. The study of plant functions at all levels - molecular, cellular, organismic and environmental. Periodically. Prerequisite: BIOL 204, CHEM 247 3 semester hours. %

BIOL 340 Cell Biology. The study of life processes at the level of molecules, macromolecules, subcellular particles and organelles; integration of structure and function of living things on the suborganismic level. Prerequisite: "C" or better in BIOL 250 and credit or co-registration in Chem 247. 3 semester hours. %

BIOL 341 Cell Molecular Biology Laboratory. Techniques in cell and molecular biology. Each semester. Prerequisite of BIOL 109. Registration or credit in Biol 340. 1 semester hour. Writing Intensive



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BIOL 342 BMB Cell Biology Laboratory. Current techniques for studying cellular biology. Third lab in a 3-semester lab sequence intended for the BMB major. Prerequisite: Registration or credit in BIOL 340, credit in BCHM 362. Writing Intensive. Spring, yearly. 1 semester hour. Writing Intensive *Consent Required.* '

BIOL 344 Gross Dissection Anatomy. Dissection of the human cadaver. Periodically. Prerequisite: BIOL 203 3 semester hours. *Consent Required.* '

BIOL 354 Immunology. Includes structural and functional components of the immune system, as well as types and control of immune response. Each semester. %
BIOL 208 or BIOL 340. Cross-listed with CLSC 354. 3 semester hours. %

BIOL 355 Cellular and Molecular Mechanisms of Human Disease I. Mechanisms of human disease that occur in the cardiovascular, lymphatic, pulmonary, renal and digestive systems. Pre-requisites: BIOL 340 and BIOL 258. %
Offered periodically. 3 semester hours. %

BIOL 356 Cellular and Molecular Mechanisms of Human Disease II. Mechanisms of human disease that occur in the neurological, endocrine, reproductive hematologic, musculoskeletal and integumentary systems. Offered periodically. Pre-requisites: BIOL 340 and BIOL 258. 3 semester hours. %

BIOL 358 Exercise Physiology. Provides an in-depth overview of how the body's physiological, hormonal, and biochemical systems acutely and chronically respond to various forms of physical activity and environmental conditions in untrained and trained individuals. Each Semester. Prerequisite: BIOL 258 or a human physiology course. Cross-listed with BIOL 358 / EXPH 500. 3 semester hours. %

BIOL 359 Pathophysiology. Integrates the pathological processes of human disease with those of the normal functioning body. Cellular and organismal disease mechanisms are studied with reference to specific diseases, with opportunity to apply this learning to actual case studies. Periodically. Prerequisites: BIOL 258 or 256. 3 semester hours. %

BIOL 360 Endocrinology. A study of the structure and function of the endocrine system. Spring. Prerequisite: BIOL 258 and CHEM 103 or BCHM 261 or BCHM 361. 3 semester hours. %

BIOL 363 Ecology. Study of the relationships of organisms to one another and to their environment. Includes evolutionary, behavioral, population, community, ecosystem, and applied ecology. Each semester. Prerequisite: BIOL 205 or BIOL 250. 3 semester hours. %

BIOL 364 Ecology Laboratory. A field and laboratory course designed to illustrate the principles of basic and applied ecology. Includes field trips, computer simulations, observational studies, and the design and implementation of ecological experiments. Each Semester. Prerequisite: BIOL 229, Credit or co-registration in BIOL 363. 1 semester hour. Writing Intensive

BIOL 365 Molecular Pharmacology. A course introducing students to the molecular foundations of drug action with an emphasis on molecular structure-function relationships. Includes receptor-ligand interactions, agonists and antagonists, and signal transduction pathways. %
Pre-requisite: "C" or better in CHEM 247 and BIOL 340 or BIOL 258. BCHM 261 is suggested. Fall. 3 semester hours. %



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BIOL 366 Medical Genetics. An advanced course in which the principles of genetics are applied and explored in clinical and other human settings. Problems in dysmorphology, inborn errors of metabolism, consanguinity, cancer etiology, pregnancy loss, prenatal diagnosis, gene therapy, genetic counseling and ethical issues are explored. Prerequisite: BIOL 250. Periodically. 3 semester hours. %

BIOL 367 Human Embryology. Study of human development from gametogenesis through the neonatal period, including development after delivery. Topics include medical genetics, morphogenesis, normal and abnormal development processes and the role of environment in prenatal development. Periodically. Prerequisite: BIOL 203 or BIOL 250. 3 semester hours. %

BIOL 368 Biomechanics. Principles from the fields of physics, engineering, anatomy and physiology are used to analyze motion of the human body and to describe the forces acting upon the various body segments during normal daily activities. Pre-req: BIOL 203 and MATH 111. Spring. 3 semester hours. %

BIOL 369 Neurobiology. Introduction to the nervous system including the human brain and its specialized functions. Topics covered include pathophysiology of the brain, how and why psychotic and other drugs affect the nervous system, and how and why memories are formed. Periodically. 3 semester hours. Writing Intensive

BIOL 370 Animal Behavior. A study of how and why animals act and react in their environment, with an emphasis on the evolutionary and ecological aspects. Topics covered include neural mechanisms of behavior, learning, game theory, foraging, communication, reproductive behavior and mating systems, and social behavior. Prerequisite: BIOL 250 and BIOL 256 or BIOL 258. Periodically. 3 semester hours. Writing Intensive

BIOL 371 Molecular Biology. An advanced study of mechanisms controlling gene and genome organization, expression, regulation, and evolution. Includes viral, prokaryotic, and eukaryotic systems. Readings from the primary literature are used to integrate concepts and methods of data generation and analysis. Fall. Prerequisite: BIOL 340. 3 semester hours. Writing Intensive

BIOL 372 Genomics and Bioinformatics. A survey of the fields of genomics, proteomics, and metabolomics with an emphasis on using bioinformatics resources and understanding the computational and mathematical basis behind many of the tools used for data mining and analysis. Spring. Prerequisite: BIOL-340 and MATH-221 or MATH 211. 2 semester hours. %

BIOL 373 Tropical Ecology. A course on the composition and change in contemporary and historical tropical forests. Includes surveys of plants and animals and their interactions, and ecological concepts controlling biodiversity. Depending on the year, either Spring term on-campus lectures with local weekend field trip(s), or Summer term longer trip to site in Costa Rica. Periodically. Prerequisite: BIOL 197 and 198. 3 semester hours. %

BIOL 374 Research Techniques in Molecular Biology. A laboratory course designed to acquaint the student with research methodologies and instrumentation in molecular biology. Periodically. Prerequisite: BIOL 341, Consent of instructor 3 semester hours. *Consent Required.* '

BIOL 375 Research Techniques in Field Ecology. A hands-on field experience designed to acquaint students with research methodologies in ecology. Project required. Periodically. Prerequisite: BIOL 363, BIOL 364 1-2 semester hours. %



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BIOL 380 Advanced Topics in Biology. A comprehensive study of some selected topic or area in a particular field of biology. Topics will be announced. This course may be repeated once for a maximum of two hours of credit. Periodically. Prerequisite: Consent of instructor and senior standing. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 2.* '

BIOL 389 Biological Research. Research projects which require extensive use of laboratory or museum facilities. Each semester and summer. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 9.* '

BIOL 391 Selected Topics. Special courses on various topics with which the student has not become acquainted in formal course work. May be an extension of or a supplement to material previously encountered, or lectures from a completely new area. Periodically. 1-3 semester hours. Writing Intensive *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

BIOL 393 Great Ideas in Biology and Medicine. A study in the original writings of some of the great biologists and medical scientists to understand their thoughts and work. Capstone course for HLSC majors. Sophomore Standing. Fall and Spring. 1 semester hour. Writing Intensive

BIOL 395 Independent Study. Provides opportunity for advanced major to pursue study in a field of biological interest. Periodically. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

BIOL 397 Biology Internship. Practical experiences in the life sciences under the supervision of the biology faculty. Prerequisite: Consent of Instructor. Periodically. 1-3 semester hours. *Consent Required.* '

Business with Science Applications (

BSCI 200 Introduction to Science Management. Introduction to Science Management course objectives are: to provide an overview of science management functional areas and how they work in science based industries; to introduce managers from various industries to compare/contrast functional expectations in the context of contemporary industry practices, including: overview of science management and industry; comparison and contrasts between scientific research (to discover knowledge) and business research (to produce value); introduction to finance in scientific companies (discovering valuable solutions and protecting that value in the competitive marketplace); comparing/contrasting the scientific with business research and development cycle; comparing/contrasting the role of the general business manager with other scientific related managers, including: scientific research project manager; development manager; start up CEO, human resources manager; accounting manager; production manager, health and safety manager; marketing manager; regulatory manager; business development manager, purchasing/supply chain manager. Annually. 3 semester hours. *Consent Required.* '

BSCI 210 Science Management: Legal Aspects. Introduces students to at least four different applications of legal and regulatory requirements in scientific industries, including: introduction to intellectual property, patents, corporate intellectual property strategy, and negotiation approaches to corporate intellectual property strategy. Annually. 3 semester hours. % *Consent Required.* '

BSCI 220 Science Management: Innovation and Product Development. Innovation and Product Development provides an introduction to the critical skills for effective product development through teams, in the context of the highly professionalized nature of scientific industries. Fall. 3 semester hours. *Consent Required.* '



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BSCI 230 Science Management: Ethical and Quality Systems. Ethical and Quality Systems provides an introduction to the fundamental requirements for ethical practice and quality in scientific industries, from both the personal and organizational perspectives. Annually. 3 semester hours. *Consent Required.* '

BSCI 240 Science Management: Product Team Management. Provides an introduction to the unique challenges and successful practices of scientific team management, from both personal and organizational perspectives. Annually. 3 semester hours. *Consent Required.* '

BSCI 297 Internship. BSCI 297 Internship provides an internship in a regional scientific organizational setting, to apply and develop program concepts and skills. Spring and Summer. 1-3 semester hours. *Consent Required.* '

BSCI 380 Capstone. Capstone provides each student a comprehensive research project and team based presentation, with professional external review and feedback on the student's business, scientific and communication skills. Senior Standing. Spring. 3 semester hours. *Consent Required.* '

Chemistry (

CHEM 101 Introduction to Chemistry. The fundamental principles of chemistry with an introduction to inorganic chemistry; including acids, bases, gases, and solutions. Intended for nursing and allied health majors. Fall. IAI P1 902. 3 semester hours. Physical Science Core Elect

CHEM 102 Introduction to Chemistry Laboratory. Experiments that explore the principles discussed in CHEM 101. Fall. IAI P1 902L. Prerequisite: Registration or credit in CHEM 101. 1 semester hour. Physical Science Core Elect

CHEM 103 Introduction to Organic Chemistry and Biochemistry. The structure, nomenclature, and reactions of organic compounds and a brief introduction to biochemistry. Spring. IAI P1 904. Prerequisite: CHEM 101 or CHEM 123. 3 semester hours. Physical Science Core Elect

CHEM 104 Introduction to Organic Chemistry and Biochemistry Laboratory. Experiments examine the applications of organic and biochemical theory. Spring. IAI P1 904L. Prerequisite: Registration or Credit in CHEM 103. 1 semester hour. % Physical Science Core Elect

CHEM 107 Chemistry: An Experimental Science. Lecture and laboratory component. Develop chemical principles, such as acid-base, kinetics, thermodynamics, and periodicity through observation, demonstration, and experimentation. Designed for education, humanities, and social science majors. Periodically. 3 semester hours. Physical Science Core Elect

CHEM 113 General Chemistry I. Principles of stoichiometry, aqueous reactions, thermochemistry, gas laws, electronic structure and bonding, periodicity, phase-related properties and functional groups. IAI P1 902; BIO 906; EGR 961; CHM 911; CLS 906. Fall, Spring, Summer. Prerequisite: "C" or higher in MATH 110 or placement into MATH 111 or higher and one year of high school chemistry or CHEM 101. 3 semester hours. Physical Science Core Elect

CHEM 114 General Chemistry I Laboratory. Separations, quantitative measurements and transfers, and spectrochemical techniques involving organic and inorganic systems. Separations, quantitative measurements and transfers, and spectrochemical techniques involving organic and inorganic systems. IAI P1 902L; BIO 906; EGR 961; CHM 911; CLS 906. Fall, Summer. Prerequisite: Registration or credit in CHEM 113. 1 semester hour. Physical Science Core Elect



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CHEM 115 General Chemistry I Laboratory. Intended for chemistry majors or students interested in chemistry or biochemistry. The study and application of laboratory techniques and methods of chemical/biochemical analysis that includes a variety of chromatographic and spectroscopic methods, titrimetry, and sample preparation, data acquisition and statistical analysis, molecular modeling, laboratory safety, and scientific ethics. IAI CHM 911. Fall. Prerequisite: Credit or co-registration in CHEM 113, Department Consent 1 semester hour. *Consent Required.* '

CHEM 123 General Chemistry II. Principles of intermolecular forces, kinetics, chemical equilibrium, acid/base chemistry, electrochemistry, and nuclear chemistry. IAI BIO 907; CHM 912; CLS 907; EGR 962. Spring and Summer. Prerequisite: CHEM 113. 3 semester hours. Physical Science Core Elect

CHEM 124 General Chemistry II Laboratory. Titrimetry, solubility, synthesis, qualitative analysis, and instrumentation for pH, kinetics, and electrochemical processes. IAI BIO 907; CHM 912; CLS 907; EGR 962. Spring and Summer. Prerequisite: CHEM 114 or CHEM 115 or NTSC 151 and co-registration or credit in CHEM 123. 1 semester hour. Physical Science Core Elect

CHEM 125 General Chemistry II Laboratory. Completion of the topics listed for CHEM 115 and pH, electrochemistry, equilibrium, and inorganic synthesis. IAI CHM 912. Spring. Prerequisite: CHEM 115 and credit or co-registration in CHEM 123, Department Consent 1 semester hour. Physical Science Core Elect *Consent Required.* '

CHEM 190 Selected Topics in Chemistry. Current topics in chemistry. Periodically. 1 semester hour. *Course Repeatable. Maximum number of units allowed 99.* '

CHEM 235 Chemical Analysis I. Statistical analysis of data, and the theory and applications of instrumental analysis including spectroscopy, chemical separations, and mass spectrometry. Lab includes optimization, operation and applications of selected instrumental methods discussed in lecture. Fall. Prerequisite: CHEM 123 and CHEM 124, or CHEM 125 or NTSC 152 4 semester hours. *Consent Required.* '

CHEM 236 Chemical Analysis II. Sampling and the theory and applications of gravimetric, titrimetric, electrochemical, thermal, automated and computer assisted methods of analysis. Laboratory includes quantitative analysis procedures that exemplify lecture topics. Spring. Prerequisite: CHEM 235 4 semester hours. %

CHEM 242 Organic Chemistry I. Introduction to cyclic and acyclic molecules, with an emphasis on organic acids and bases, reaction mechanisms and stereochemistry. Intended for physical and biological science students. Fall and Summer. IAI BIO 908; CHM 913; EGR 963. Prerequisite: CHEM 123. 3 semester hours. %

CHEM 243 Organic Chemistry I Laboratory. Introduction to organic and biochemical laboratory techniques, separations, purifications and analysis. For non-chemistry majors. Fall and Summer. IAI BIO 908; CHM 913; EGR 963. Prerequisite: CHEM 124 or CHEM 125 or NTSC 152 and Credit or co-registration in CHEM 242. 1 semester hour. %

CHEM 244 Organic Chemistry I Laboratory. Introduction to organic and biochemical laboratory techniques, separations and purifications, with an emphasis on spectroscopic analysis. Intended for chemistry and biochemistry/molecular biology majors. IAI CHM 913. Fall. Prerequisite: CHEM 124 or 125 or NTSC 152, Credit or co-registration in CHEM 242 and Department Consent 1 semester hour. *Consent Required.* '



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CHEM 247 Organic Chemistry II. Organic synthesis. A study of the preparations and reactions of aliphatic and aromatic organic compounds and their inter-conversions. Spring and Summer. IAI BIO 909; CHM 914; EGR 964. Prerequisite: CHEM 242. 3 semester hours. %

CHEM 248 Organic Chemistry II Laboratory. The synthesis, isolation and identification of organic compounds. For non-chemistry majors. Spring and Summer. IAI BIO 909; CHM 914; EGR 964. Prerequisite: CHEM 243 and credit or co-registration in CHEM 247. 1 semester hour. %

CHEM 249 Organic Chemistry II Laboratory. The synthesis, isolation and identification of organic compounds with an emphasis on spectroscopic analysis. For chemistry and biochemistry/molecular biology majors. IAI CHM 914. Spring. Prerequisite: CHEM 243 or 244 and credit or co-registration in CHEM 247, and Department Consent 1 semester hour. %
Consent Required. '

CHEM 290 Selected Topics in Chemistry. Current topics in chemistry. Periodically. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

CHEM 292 Research Literature. Discussion and application of online sources containing scientific publications and other information, e.g., SciFinder. The introduction of a report for a research project will be completed. 1 semester hour. %

CHEM 295 Chemistry Teaching. Opportunity for a student to work as a teaching assistant in the chemistry department. Fall, Spring, and Summer. Prerequisite: Department Consent 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

CHEM 313 Classical Thermodynamics. Properties of gases, relating heat and work, concepts of enthalpy and entropy, heat engines, mixtures, and phase changes. Fall. Prerequisite: CHEM 123, PHYS 118 or 212, and Math 212. Cross listed with CHEM / PHYS 313. 3 semester hours. %

CHEM 314 Physical Chemistry I Laboratory. Applies principles discussed in CHEM 313. Fall. Prerequisite: Registration or credit in CHEM 313. 1 semester hour. Writing Intensive

CHEM 315 Quantum and Statistical Mechanics. Failures of classical physics, development of quantum theory, atomic structure and spectra, statistical mechanics, and statistical thermodynamics. Spring. Prerequisites: PHYS 313 and credit/co-registration in Math 260 or 300. Cross listed with CHEM / PHYS 315. 3 semester hours. %

CHEM 316 Physical Chemistry II Laboratory. Applies principles discussed in CHEM 315. Spring. Prerequisite: Credit or co-registration in CHEM / PHYS 315. Cross listed with CHEM / PHYS 316. 1 semester hour. Writing Intensive

CHEM 320 Inorganic Chemistry. Principles of structure and bonding, coordination chemistry, organometallic chemistry, and descriptive chemistry. Fall. Prerequisite: CHEM 236 and 247. 3 semester hours. %

CHEM 321 Inorganic Synthesis Laboratory. Applications of the topics discussed in CHEM 320 including vacuum-line manipulation, inert atmosphere techniques, spectroscopy, and separation methods. Spring, alternate years. Prerequisite: CHEM 320, Department Consent 1 semester hour. Writing Intensive *Consent Required. '*



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CHEM 323 Biophysics. A calculus-based introduction to biophysical concepts and computational methods for science majors using Excel. The course is an integrated lecture and computer lab experience. Topics covered include membrane transport, equilibrium and the Nernst potential, properties of random walks and diffusion, and an introduction to molecular dynamics methods. (Students cannot earn credit in both BIOL/CHEM/PHYS 323 and BIOL 310). Prerequisites: CHEM 123, PHYS 118 or 212, MATH 211 or 221. Spring. Cross listed with BIOL/CHEM/PHYS 323. 4 semester hours. Writing Intensive

CHEM 334 Biolanalytical Chemistry and Chemical Sensors. Selected lecture topics in spectroscopy, X-ray crystallography, and electrochemistry of biological macromolecules; immunoassays, and development and optimization of biological/chemical sensors. Periodically. CHEM 235 and 247 3 semester hours. %

CHEM 335 Advanced Chemical and Instrumental Analysis. Selected topics in spectroscopy, separations, ionic equilibria, electrochemistry, statistical analysis, and computer-aided instrument control, data acquisition and processing. Periodically. Prerequisite: CHEM 236 and 247. 3 semester hours. %

CHEM 340 Advanced Organic Chemistry. Selected topics in synthetic organic chemistry, emphasizing current reaction methodologies, catalysis and asymmetric transformations. Periodically. Prerequisite: CHEM 235 and 247. 3 semester hours. %

CHEM 357 Molecular Dynamics and Kinetics. Electronic properties of molecules, molecular interactions, molecular motion, chemical kinetics, molecular reaction dynamics. Periodically. %
 Prerequisite or Co-registration: Chem 315 or PHYS 315. Cross listed with PHYS 357 3 semester hours. %

CHEM 390 Selected Topics in Chemistry. Current advanced topics in Chemistry. Periodically. 1-3 semester hours. %
Course Repeatable. Maximum number of units allowed 99. '

CHEM 393 Chemical Internship. Practical experiences in chemistry under the supervision of the chemistry program. Prerequisite: Department Consent 1-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6. '*

CHEM 398 Chemical Research. Original experimental research conducted under the supervision of a faculty or adjunct faculty member. Projects may be conducted on campus or at an affiliated research facility. Publication of the data is a course objective. Fall, Spring, and Summer. Prerequisite: Consent of Instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

Chinese (

CHIN 101 Elementary Mandarin I. Introduction to the basic structures of the language. Designed to enable the student to develop oral proficiency and written skills. Fall. 3 semester hours. %

CHIN 102 Elementary Mandarin II. Introduction to the basic structures of the language. Designed to enable the student to develop oral proficiency and written skills. Spring. Prerequisites-
 CHIN 101 or placement. 3 semester hours. %

CHIN 191 Conversation and Culture. This course provides an introduction to and highlights of Chinese culture and basic language skills. Spring semester 1 semester hour. %



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CHIN 201 Intermediate Mandarin I. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Fall. Pre-requisite: CHIN 102 or placement. 3 semester hours. %

CHIN 202 Intermediate Mandarin II. 3 semester hours. %

CHIN 291 Topics. Selected topics. 1-3 semester hours. %

Clinical Laboratory Sciences (

CLSC 390 Hematology. Study of blood and bone marrow cells including the enumeration, identification, and classification of these cells. Comparison of normal structure and function versus the abnormal and malignant states in platelet, red cell, and white cells series. Includes lab. Prerequisite: Consent of instructor. 5 semester hours. *Consent Required.* '

CLSC 391 Clinical Microbiology. The various culture techniques involved in identification of normal human flora, the study and isolation techniques of aerobic and anaerobic pathogens, and their relationship to disease. Includes lab. Prerequisite: Consent of instructor. 6 semester hours. *Consent Required.* '

CLSC 392 Clinical Biochemistry. The application of the principles of medical biochemistry and physiology related to the methodology and evaluation of clinical chemistry procedures. The correlation of chemistry data to disease manifestations. Includes lab. Prerequisite: Consent of instructor. 8 semester hours. *Consent Required.* '

CLSC 393 Immunology/Serology. Study of the principles and procedures involved in the humoral-and cell-mediated reaction in normal and abnormal states; including deficiency states, infectious states, autoimmune disease and transplantation. Includes lab. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required.* '

CLSC 394 Blood Banking. Study of the many human blood antigens and antibodies, their identification by various standard techniques, cross-matching for transfusions and component therapy. Procurement and preparation of blood products and dispensing. Includes lab. Prerequisite: Consent of instructor. 4 semester hours. *Consent Required.* '

CLSC 395 Clinical Microscopy/Urinalysis. Study of principles and procedures of qualitative and quantitative urinalysis as related to renal function in health and disease. Use of urinalysis as a diagnostic tool in endocrinologic function. Includes lab. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required.* '

CLSC 396 Coagulation. Study of the coagulation mechanisms found in the normal and disease states, coagulation testing procedures, and their use in diagnosing hemorrhagic diseases. Includes lab. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required.* '

CLSC 397 Special Topics. Designed to broaden the background of the medical technology students. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 4.* '

Communications (

COMM 150 Introduction to Communication Arts. A writing and speaking-intensive introduction to communication arts theory and research, with an emphasis on analyzing mass media messages and understanding their underlying cultural and historical contexts. 3 semester hours. Writing Intensive



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COMM 207 Editing for Publications. Introduction to the principles and practices of editing for books, magazines, and newspapers. Prerequisite: Writ 102 or 103 or HNRS 190 3 semester hours. %

COMM 208 Layout and Design for Publication. Graphic design principles and professional processes are emphasized. Print projects may include organizational identity, response, advertising, newsletter, book/magazine, and other projects, using Quark Xpress. Online design principles are introduced to enable design of a simple website. Fall. 3 semester hours. %

COMM 209 Newswriting and Reporting. Principles and practice in gathering and writing news as well as preparing copy for publication. Fall. IAI MC 919. Prerequisite: RHET 101 3 semester hours. Writing Intensive

COMM 250 Masters of the American Cinema. A historical study of representative fiction film makers from D.W. Griffith to Spike Lee. IAI F2 908. 3 semester hours. Fine Arts/Music Core Elective

COMM 251 History of Film. A cross-cultural study of the development of the cinema from its late 19th century origins to the present. IAI F2 909. 3 semester hours. Fine Arts/Music Core Elective

COMM 252 Technical Writing. A practical course designed to train students for various fields that require technical writing skills - engineering, computer science, industry, etc. 3 semester hours. %

COMM 253 Public Relations Writing. Focuses on writing for print media. Students prepare news releases, newsletters and feature stories. Fall. Prerequisite: WRIT 102 or 103 or HNRS 190 3 semester hours. %

COMM 254 Writing for the Electronic Media. A practical course designed to expose students to the various approaches, forms and techniques of writing for the electronic media. IAI MC 917. Prerequisite: WRIT 102 or 103 or HNRS 190 3 semester hours. %

COMM 255 Television Production. Laboratory course introducing students to the technical and aesthetic principles utilized in preparing programming for television. Fall. IAI MC 916. Fee: \$45 3 semester hours. %

COMM 256 International Film. A study of the film form as seen in the most important films produced outside the United States. Periodically. 3 semester hours. Fine Arts/Music Core Elective

COMM 263 Advertising Copywriting. Covers the fundamentals of writing copy and designing advertising for all forms of print and electronic media. Periodically. Prerequisite: RHET 101 3 semester hours. %

COMM 264 Sports Journalism. This course is designed for students to adapt skills learned in COMM 209 toward a variety of sports environments and applications. The students will write press releases and do hard news reporting, and be informed of the inner workings of the sports communication environment. 3 semester hours. %

COMM 265 Sports Broadcasting. Students will apply basic skills learned in Comm 254/255 to a variety of video and multimedia applications. Emphasis will be on writing effective sports stories, conducting professional-looking standups, and covering the sports beats on campus. Students will also produce a half-hour sports cable show. 3 semester hours. %

COMM 291 Topics. Study of aspects of communication on the intermediate level not listed as regular course offerings. May be repeated. Prerequisite: RHET 102 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*



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COMM 295 Independent Study. Designed for the student who wishes to explore aspects of communications not normally offered in the regular curriculum. May be repeated. Prerequisite: Approval of department chair. 1-3 semester hours. %
Consent Required. Course Repeatable. Maximum number of units allowed 99. '

COMM 297 Internship. Practical experience in public relations, electronic media, journalism, advertising or multimedia supervised by the Communication Arts department. Up to three internship hours may be applied toward the 39 hour major requirement. Up to 12 hours may apply toward the 120 hours for graduation. Prerequisite: Consent of internship coordinator, department chair, and at least 3.0 G.P.A. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12. '*

COMM 316 Advanced Television Production. Emphasis on development of directing and post-production skills, with focus on aesthetic and technical principles. Spring. Prerequisite: COMM 254 and COMM 255. 3 semester hours. Fine Arts/Music Core Elective

COMM 317 Mass Media Law and Ethics. Examines the many legal and ethical issues related to the mass media. Fall. Prerequisite: WRIT 102 or HNRS 191. 3 semester hours. %

COMM 335 Photojournalism. Teaches the skills in creating and evaluating images for photojournalism purposes. 3 semester hours. %

COMM 337 Advanced Journalism Writing. Students practice the major styles of journalistic writing beyond newswriting: public affairs reporting, feature writing, magazine writing and editorial writing. Periodically. Prerequisite: COMM 209. 3 semester hours. Writing Intensive

COMM 353 Advanced Seminar in Writing, Editing, and Page Design for Publications. In this seminar, students work on a major publications project, engage in critical reading of media content, discuss writing, editing and page design strategies, have drafts of their work critiqued in class, and develop a professional portfolio of the work. Periodically. Prerequisite: COMM 150, COMM 207, COMM 208, and COMM 209. 3 semester hours. Writing Intensive *Consent Required. '*

COMM 381 Multimedia Production for the Web. Students experiment with a variety of web-based materials utilizing applications from text and visual media. Periodically. Prerequisite: COMM 208, RHET 102. 3 semester hours. *Consent Required. '*

COMM 382 Nonlinear Editing for Audio and Video. Students learn and apply advanced computer editing skills in audio and video to produce a variety of video projects. Prerequisite: COMM 255. 3 semester hours. %

COMM 385 Television and Society. An in-depth investigation of the television industry and its impact on American and world culture. Periodically. Prerequisite: RHET 102. 3 semester hours. %

COMM 386 Media and Government. Examines major theoretical models of a central problem in mass communications from historical and cross-cultural perspectives. Periodically. Prerequisite: RHET 102. 3 semester hours. %

COMM 388 Studies in Film Theory and Criticism. Selected topics in film theory and criticism. 3 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 9. '*



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COMM 390 Images of Men and Women in Advertising. A critical investigation of how we are influenced in the way we think about gender and gender relationships. Periodically. Prerequisite: RHET 102. 3 semester hours. Writing Intensive

COMM 391 Topics. Study of aspects of communications on the advanced level not covered in the above course offerings. Prerequisite: COMM 207, COMM 208, RHET 102. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

COMM 392 Senior Project. Advanced applications in a focused area of communications beyond other upper level courses. Senior Project does not count towards the 39 hours required for a degree in communication arts. Prerequisite: Senior standing, completion of or concurrent enrollment in communications courses totaling 39 hours, consent of instructor and department chair and approval of proposal prior to semester in which the student is enrolled. 3 semester hours. *Consent Required.* '

COMM 393 Senior Portfolio. Required of all Communication Arts majors, this course is designed to help the student improve the appearance, content, and organization of their Senior Portfolio. Prerequisite: Senior Standing 3 semester hours. %

COMM 395 Independent Study. Designed for the superior student who wishes to explore an aspect of communication beyond the scope of undergraduate course offerings through guided independent study. May be repeated. Prerequisite: COMM 207, approval of department chair, GPA of 3.5 in major. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Computer Information Systems (

CIS 127 Information Technology in Management. This course is designed to provide students with an awareness of the changing nature of technology and the related management issues. It will demonstrate solutions to business problems from a management, technical and organizational perspective. Finally it will provide familiarity with the language of technologists to ease the communication gap between business and technology. The technology covered in the class will include hardware, software, communications, database, emerging technologies, internet and intranets. Prerequisite: Acceptance into Adult Accelerated Cohort Program. 3 semester hours. Natural Sciences Core Elective

CIS 180 Introduction to Information Systems. Techniques and theory of information systems in a rapidly changing technical environment. Technology topics include hardware, software, communications, databases, emerging technologies, internet, intranet. Information systems topics include information processing concepts and functional systems used in business. Each semester. 2 semester hours. Natural Sciences Core Elective

CIS 181 Visual Basic Laboratory. Provides programming fundamentals, with applications developed in Visual Basic. Programming topics include variables, formatted output, looping, conditional execution, subroutines, functions. Fall and Spring. Prerequisites %
 Co-registration or credit in CIS/CMSC 180 2 semester hours. Natural Sciences Core Elective

CIS 182 Science Applications Laboratory. A laboratory experience for all students interested in analyzing, processing, graphing, displaying, and presenting scientific data through the use of spreadsheet software (Microsoft Excel). Co-registration or credit in CIS /CMSC 180 1 semester hour. Natural Sciences Core Elective



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CIS 183 Office Suite Laboratory. Introduction to the software applications of word processing, spreadsheets, and presentation software using the Microsoft Office Suite for Windows. Fall and Spring. Prerequisites: Co-registration in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

CIS 184 Microsoft Excel Laboratory. Introduction to the software application of spreadsheets using Microsoft Excel. Designed for students interested in manipulating, organizing, analyzing, and presenting numerical data and information within the context of business applications. Co-registration or credit in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

CIS 200 Computer Programming. An introduction to software design, algorithm development and implementation with the C++ programming language. Elementary programming structures, functions, and text and file processing. Functional and object-oriented design and programming, real world and application modeling, testing and debugging. Spring. Prerequisites: CIS-181 or CMSC-181, MATH-S105 or S110. 4 semester hours. Natural Sciences Core Elective

CIS 205 Data Structures and Algorithms I. The study of internal data structures, their applications and implementations including one and two dimensional arrays, lists, stacks, queues, linked lists, and tree structures. Introduction to object-oriented programming in C++. Fall. Prerequisite: CIS-C200 or CMSC-C200. 3 semester hours. %

CIS 220 Introduction to Computer Systems. Basic data representation, logic design, memory organization, CPU organization, bus structures, assembly language, arithmetic calculation, addressing modes, data organization, subprogram mechanisms, integer and floating point representations, instruction representation, pipelining, microprogramming, input and output, and interrupts. Fall. Prerequisite: CIS-C200 or CMSC-C200. 3 semester hours. Writing Intensive

CIS 274 Object-Oriented Design and Programming. Investigation of object-oriented design and programming through the use of the Java programming language. Includes classes, inheritance, binding, persistence, and operator overloading. Spring. Prerequisite: CIS 205 or CMSC 205. 3 semester hours. %

CIS 300 Information and File Storage Systems. Introduction to file systems and file processing. Data storage and access techniques for sequential, random and indexed file organizations. Hashing, index structures, B-trees and their derivatives. Inverted and embedded multilist file organizations. Data Mining. Periodically. Prerequisite: CIS 205. 3 semester hours. %

CIS 330 Database Management Systems. Designing, using, and implementing database systems and applications. Primary emphasis on the relational data model. ER diagrams, relational algebra, query languages, functional dependency theory, normalization techniques, query processing and optimization, concurrency control, recovery and security. Spring. Prerequisite: CIS 274 or CMSC 274. 3 semester hours. %

CIS 331 Database Management Systems Practicum. A hands-on experience with current issues in database management systems. Topics may include Advanced SQL; database administration; and database connectivity through programming, windows applications, and the internet. Spring. Prerequisite: CIS 330 or CMSC 330 or co-registration in CIS 330 or CMSC 330. 1 semester hour. %



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CIS 365 Computer Networks and Data Communication. An introductory course in computer networking and data communications. Theory of a computer network is presented and various types of networks including local area, wide area, and global networks are discussed. Detailed discussion of the Internet Protocol suite (TCP/IP) will be provided. Theory topics include network architecture, data transmission techniques, network topologies, network media, and network security. In addition, the student learns how to use network operating systems. Case studies cover Windows NT, Novell, the Internet, and intranet systems. Spring, odd years. Prerequisite: CIS 220 or CMSC 220 and junior standing. 3 semester hours. %

CIS 366 Computer Networks Practicum. A hands-on experience with current issues in computer networks. Development and implementation of stand-alone and web-based client/server applications. Spring, odd years. Prerequisite: CIS 365 or CMSC 365, or co-registration in CIS 365 or CMSC 365. 1 semester hour. %

CIS 374 Web Application Development. The architecture and development of Windows applications using the Microsoft Foundation Classes (MFC). The study, design and incorporation of Graphics Interfaces, Print and Print-preview into programs. The study of multithreading, Windows 32 memory management, Active X technology in Object Linking and Embedding (OLE), and the Component Object Model (COM). Concepts of the Internet-Network and an introduction to Internet Programming. Periodically. Prerequisite: CIS 274 or CMSC 274. 3 semester hours. %

CIS 376 Systems Analysis & Design. Tools and techniques associated with the analysis and design of application systems are studied and evaluated. Traditional and state-of-the-art system development life-cycle methodologies are examined. Specific topics include construction and evaluation of user interviews, data flow diagrams, data dictionaries, decision tables and trees and use of prototyping techniques and computer-aided software engineering tools. The course project requires team analysis and design of a new application system. Fall, odd years. Prerequisite: CIS 205 and one of FINA 300, MGT 300, or MKTG 300. 3 semester hours. %

CIS 388 Project Management. The art and science of project management as applied to a variety of business and technology settings. Discusses how to initiate, plan, execute and control, and close projects, within budget and on schedule. Includes management of project scope, time, cost, quality, human resources, communications, and risks. A project planning software tool is utilized, usually MS Project. Spring. Prerequisite: Junior/Senior Standing. 3 semester hours. Writing Intensive

CIS 391 Selected Topics. Various topics to supplement the curriculum. 3 semester hours. %

CIS 396 ACCA Seminar. Evening seminar at Associated Colleges of Chicago Area schools dealing with advanced topics in computer science. Topics are announced in advance. May be repeated. Fall. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 4.*

CIS 397 Undergraduate Project. Independent work on a project supervised by a faculty member in the program. Prerequisite: Consent of Instructor. 1-3 semester hours. *Consent Required.*

CIS 398 Capstone Project. A team-oriented, software engineering project experience to implement a solution to an information-based problem. Spring. Prerequisite: Senior Standing, CIS 376 or CIS 388. 3 semester hours. %

CIS 399 Internship. Prerequisite: G.P.A. of 2.5 in information system coursework and consent of instructor. 1-6 semester hours. *Consent Required.*



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CMSC 100 Introduction to PC Software Applications. Introduction to the software applications of word processing, spreadsheet, and database management using the Microsoft Office Suite for Windows. For non-majors. 3 semester hours. %

CMSC 174 Web-Based Applications Development. An introduction to creating web applications. Topics include web-page authoring, markup languages, scripting languages, active server pages, multimedia applications, and client/server systems. Not for major credit. Periodically. 3 semester hours. %

CMSC 180 Introduction to Computer Science. Techniques and theory of information systems in a rapidly changing technical environment. Technology topics include hardware, software, communications, databases, emerging technologies, internet, intranet. Information systems topics include information processing concepts and functional systems used in business. Each semester. 2 semester hours. Natural Sciences Core Elective

CMSC 181 Visual Basic Laboratory. Provides programming fundamentals, with applications developed in Visual Basic. Programming topics include variables, formatted output, looping, conditional execution, subroutines, functions. Fall and Spring. Prerequisites: co-registration in CIS/CMSC 180 2 semester hours. Natural Sciences Core Elective

CMSC 182 Science Applications Laboratory. A laboratory experience for all students interested in analyzing, processing, graphing, displaying, and presenting scientific data through the use of spreadsheet software (Microsoft Excel). Co-registration or credit in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

CMSC 183 Office Suite Laboratory. Introduction to the software applications of word processing, spreadsheets, and presentation software using the Microsoft Office Suite for Windows. Fall and Spring. Prerequisites: co-registration in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

CMSC 184 Microsoft Excel Laboratory. Introduction to the software application of spreadsheets using Microsoft Excel. Designed for students interested in manipulating, organizing, analyzing, and presenting numerical data and information within the context of business applications. Co-registration or credit in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

CMSC 200 Computer Programming. An introduction to software design, algorithm development and implementation with the C++ programming language. Elementary programming structures, functions, and text and file processing. Functional design and programming, real world and application modeling, testing and debugging. Spring. Prerequisites: CIS 180 or CMSC 180, MATH 105 or MATH 110. 4 semester hours. Natural Sciences Core Elective

CMSC 205 Data Structures and Algorithms I. The study of internal data structures, their applications and implementations including one and two dimensional arrays, lists, stacks, queues, linked lists, and tree structures. Introduction to object-oriented programming in C++. Prerequisite: CMSC-C200 or CIS-C200. Fall. 3 semester hours. %

CMSC 220 Introduction to Computer Systems. Basic data representation, logic design, memory organization, CPU organization, bus structures, assembly language, arithmetic calculation, addressing modes, data organization, subprogram mechanisms, integer and floating point representations, instruction representation, pipelining, microprogramming, input and output, and interrupts. Fall. Prerequisite: CIS C200 or CMSC C200. 3 semester hours. Writing Intensive



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CMSC 270 Data Structures and Algorithms II. The further study of internal data structures including AVL-trees, B-trees and graphs. Internal sorting algorithms, hashing, and recursion. Algorithm analysis techniques. Prerequisite: CMSC 205 or CIS 205. Spring. 3 semester hours. %

CMSC 274 Object-Oriented Design and Programming. Investigation of object-oriented design and programming through the use of the Java programming language. Includes classes, inheritance, binding, persistence, and operator overloading. Spring. Prerequisite: CIS 205 or CMSC 205 . 3 semester hours. %

CMSC 310 Operating Systems. Process and thread management, multiprocessing, kernels and microkernels, mutual exclusion, semaphores, monitors, message passing, deadlock, memory management, paging, segmentation, interprocessor communication and multitasking. Fall, odd years. Prerequisites: CMSC 220 and CMSC 274 or CIS 220 and CIS 274. 3 semester hours. %

CMSC 311 Operating Systems Practicum. A hands-on experience with current issues in operating systems. An internal view of the operating system using the Unix kernel. Inspecting the OS internal state, extending the OS, reimplementing existing data structures and designing new functionality. Linux kernel projects and programming. Fall, odd years. Prerequisite: CMSC 310 or co-registration in CMSC 310. 1 semester hour. %

CMSC 315 Formal Language and Automata. Introduction to automata theory, relationships between regular expressions, finite state automata and grammars, pushdown automata, closure properties on grammars, and the Chomsky hierarchy of grammars. Periodically. Prerequisite: CMSC 274 or CIS 274. 3 semester hours. %

CMSC 330 Database Management Systems. Designing, using, and implementing database systems and applications. Primary emphasis on the relational data model. ER diagrams, relational algebra, query languages, functional dependency theory, normalization techniques, query processing and optimization, concurrency control, recovery and security. Spring. Prerequisite: CIS 274 or CMSC 274. 3 semester hours. %

CMSC 331 Database Management Systems Practicum. A hands-on experience with current issues in database management systems. Topics may include Advanced SQL; database administration; and database connectivity through programming, windows applications, and the internet. Spring. Prerequisite: CIS 330 or CMSC 330 or co-registration in CIS 330 or CMSC 330. 1 semester hour. %

CMSC 350 Numerical Analysis. Numerical methods for isolating roots, solving systems of linear equations, interpolation, and evaluating derivatives and definite integrals. Periodically. Prerequisite: MATH 211 and programming experience. 3 semester hours. %

CMSC 351 Numerical Analysis Practicum. A hands-on experience with issues in numerical analysis. Topics may include the application of parallel processing capabilities to numerical problems, extend accuracy computations, computational aspects of large physical problem modeling, or experimental relationships between accuracy and complexity in numerical computations. Periodically. Prerequisite: CMSC 350 or co-registration in CMSC 350. 1 semester hour. %



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CMSC 365 Computer Networks and Data Communication. An introductory course in computer networking and data communications. Theory of a computer network is presented and various types of networks including local area, wide area, and global networks are discussed. Detailed discussion of the Internet Protocol suite (TCP/IP) will be provided. Theory topics include network architecture, data transmission techniques, network topologies, network media, and network security. In addition, the student learns how to use network operating systems. Case studies cover Windows NT, Novell, the Internet, and intranet systems. Spring, odd years. Prerequisite: CIS 220 or CMSC 220 and junior standing. 3 semester hours. %

CMSC 366 Computer Networks Practicum. A hands-on experience with current issues in computer networks. Development and implementation of stand-alone and web-based client/server applications. Spring, odd years. Prerequisite: CIS 365 or CMSC 365, or co-registration in CIS 365 or CMSC 365. 1 semester hour. %

CMSC 370 Algorithm Design and Analysis. Methods of designing efficient algorithms including divide and conquer, backtracking, greedy approach, dynamic programming and branch-and-bound. Complexity analysis of algorithms including computational complexity and NP-complete problems. Spring, even years. Prerequisite: CMSC 270. 3 semester hours. %

CMSC 374 Web Application Development. An in-depth study of building Web applications using the client-server model. Topics include an overview of HTML and HTML forms for collecting user data, JavaScript, Web-based Java applications, client-server interaction, CGI programming, preprocessed HTML documents with PHP or Java Server Pages, Web session control with cookies and other useful objects, and database connectivity. Periodically. Prerequisites: CIS/CMSC 274 3 semester hours. %

CMSC 375 Software Engineering. Software development life cycle, the role of project management, software documentation, and software maintenance and support. Students will do a complete project from the concept phase through the software development cycle. Fall. Prerequisite: CMSC 274 or CIS 274. 3 semester hours. Writing Intensive

CMSC 380 Artificial Intelligence. Problem solving methods such as logic programming and heuristic search strategies are applied to topics such as game playing, pattern recognition, natural language processing, theorem proving, and expert systems. Periodically. Prerequisite: CMSC 270. 3 semester hours. %

CMSC 385 Theory of Programming Languages. Organization of programming languages analyzed through representative languages. Introduction to concepts of programming language specification and analysis. Includes type issues, scope, subprograms, runtime behavior and models of programming. Fall, odd years. Prerequisite: CMSC 274 or CIS 274. 3 semester hours. %

CMSC 386 Programming Languages Practicum. A hands-on experience with current issues in programming languages. A more in-depth view of modern languages such as Perl, C#, VB Script and JavaScript and historical languages such as LISP, Prolog, FORTRAN and COBOL. Fall, odd years. Prerequisite: CMSC 385 or co-registration in CMSC 385. 1 semester hour. %

CMSC 388 Computer Graphics. Topics include point-plotting techniques, line-drawing displays, two-dimensional transformations, clipping and windowing, raster graphics, three-dimensional graphics, hidden-surface elimination, and ray tracing. Periodically. Prerequisite: CMSC 270. 3 semester hours. %

CMSC 391 Selected Topics. Various topics to supplement the curriculum. 3 semester hours. %



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CMSC 396 ACCA Seminar. Evening seminar at Associated Colleges of Chicago Area schools dealing with advanced topics in computer science. Topics are announced in advance. May be repeated. Fall. Prerequisite: Department Consent 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

CMSC 397 Undergraduate Project. Independent work on a project supervised by a faculty member in the program. Prerequisite: Consent of Instructor. 1-3 semester hours. *Consent Required. '*

CMSC 398 Capstone Project. A team-oriented, software engineering project experience to implement a solution to an information-based problem. Spring. Prerequisite: Senior Standing, CMSC 375. 3 semester hours. %

CMSC 399 Internship. Prerequisite: G.P.A. of 2.5 in computer science course work and consent of instructor. 1-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6. '*

Criminal Justice (

CJUS 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. %

CJUS 195 Research Practicum. Participation in on-going departmental research. Consent of department chair required. Offered each term. 1-3 semester hours. *Consent Required. '*

CJUS 206 Juvenile Justice. Treatment of the juvenile offender in the Juvenile Justice System. Emphasis is on theory, research, principles of law as they apply to the juvenile, causation, prevention, the role of the police and the courts and juvenile corrections and treatment of the convicted offender. Pre-requisite: CJUS 260 3 semester hours. %

CJUS 233 Police Systems. Historical overview of the development of policing systems from early societies to the present. Overview of different police systems throughout the modern world and how they operate. Pre-requisite: CJUS 260. Offered: Periodically. 3 semester hours. %

CJUS 240 Social Problems. Effects of social change, disorganization and value conflict on family life, mental health, ethnic relations, crime and delinquency, related topics. Spring. IAI S7 901. Prerequisite: SOCL 100. 3 semester hours. %

CJUS 243 Ethics in Policing. Ethical issues faced by law enforcement officers in the course of their personal and professional lives. Basic ethical theory is examined as it applies to selected issues and cases. Pre-requisite: CJUS 260. Periodically. 3 semester hours. %

CJUS 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours. %



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CJUS 252 Research Practicum. Goal of the course is to develop the student's research skills in a particular field (Psychology, Sociology or Criminal Justice) by involving him/her in an actual research project under the direction of a faculty member. Students will meet with the instructor on a regular basis and will write both a preliminary proposal and final paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypothesis, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate. Pre-requisite: Successful completion of basic skills courses and instructor consent. Offered each term. 3 semester hours. *Consent Required.* '

CJUS 260 Introduction to Criminal Justice. Examination of the criminal justice system: police, courts and corrections. Analysis of functions, jurisdiction, operation and relationships. Annually. IAI CRJ 901. 3 semester hours. %

CJUS 294 Criminal Procedure. In depth analysis of the criminal and juvenile justice process from arrest through adjudication. Offered: Periodically. 3 semester hours. %

CJUS 306 Correctional System. Theory and research relating to treatment, incarceration and rehabilitation of the offender. Annually. IAI CRJ 911. Prerequisite: SOCL/CJUS 260. 3 semester hours. %

CJUS 322 Criminal Law. An examination of criminal law including origins and developmental changes to the present. Pre-requisite: CJUS 260. Offered: Periodically. 3 semester hours. %

CJUS 324 White Collar Crime. An analysis of crime as it relates to business and business practices. Examines occupational, political, economic and social variables that relate to white collar criminality. Theory of research will be examined. Emphasis is on causation, prevention, laws, arrest, adjudication, conviction, sentencing and treatment of white collar criminals. Pre-requisite: CJUS 260. Offered: periodically. 3 semester hours. %

CJUS 326 Introduction to Criminal Investigation. Fundamentals of investigation beginning with the discovery of a crime and including the preservation of the crime scene, the collecting of clues and information, physical and chemical analysis, case preparation and courtroom testing. Case studies will be used. Pre-requisite: CJUS 260. Offered: periodically. 3 semester hours. %

CJUS 330 Probation and Parole. Examination of probation and parole as components of the correctional system. Emphasis is on theory, research and the mechanisms of probation and parole as a means of treating adjudicated criminals. Pre-requisite: CJUS 260 and CJUS 306. Offered: Periodically. 3 semester hours. %

CJUS 331 Organized Crime. Examination of the origins, models and explanations of organized crime and criminal groups, goods and services produced, and the role of the criminal justice system in the social system. Pre-requisite: CJUS 260. Offered Periodically. 3 semester hours. %

CJUS 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive

CJUS 372 Current Issues in Criminal Justice. Contemporary critical issues that impact the Criminal Justice System including the legislative process, law enforcement, the judicial process and the correctional system. Pre-requisite: CJUS 260. Periodically. 3 semester hours. %



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CJUS 390 Criminal Justice Field Placement. This field placement provides experience in practice in a professional agency under the supervision of a trained practitioner. Pre-requisite: CJUS 356-consent of department chair and field placement director prior to the 10th week of the semester preceding the field placement and a GPA of 2.5 or greater. Offered each term. 3-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6. '*

CJUS 391 Topics in Criminal Justice. Relevant topics according to the needs and interests of the criminal justice students. Pre-requisite: CJUS 260 3 semester hours. %

CJUS 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. %
Consent Required. '

Diagnostic Medical Sonography (

DMSC 301 Fundamentals of Sonography. Orientation to basic ultrasound equipment, instrumentation and transducers, acoustic energy, scanning planes and techniques, anatomy identification, image orientation, and terminology. 3 semester hours. *Consent Required. '*

DMSC 302 Management and Methods of Patient Care. Review of patient care techniques for the healthcare professional. Medical emergencies and patient transfer, infection control and body substance isolation are discussed. Medical ethics and hospital administration lectures are included. 1 semester hour. *Consent Required. '*

DMSC 303 Sectional Anatomy for Sonographers. Study of anatomy of the abdomen, pelvis, and thoracic cavities, the extremities, and the cervical area. Focus is on cross-sectional 3-dimensional relationships. 2 semester hours. *Consent Required. '*

DMSC 304 Abdomen Sonography w/Lab. Study of normal abdominal anatomy and sonographic appearances. Review of physiologic function and correlation of laboratory data. Integration of radiology reports, patient history and procedures to effectively perform a diagnostic exam of an organ. Sonographic methods to visualize pediatric and adult abdomen are discussed. Lab sessions with practicals in scanning techniques are an integral part of the course. 4 semester hours. *Consent Required. '*

DMSC 305 Obstetrics-Gynecology Sonography. Study of obstetrical and gynecological anatomy with clinical applications and sonographic methods used to visualize pelvic organs, pregnant uterus and related structures. Discussion of embryogenesis and a review of the reproductive cycle is included. Normal sonographic patterns are studied. 3 semester hours. %
Consent Required. '

DMSC 306 Clinical Education I. Application of the principles of ultrasound in a hospital setting under the supervision of a qualified registered sonographer. Emphasis on liver, pancreas, gallbladder, kidneys, obstetrics, and pelvic areas. Pass/Fail grading. 2 semester hours. *Consent Required. '*

DMSC 307 Principles of Ultrasound Physics I. Introduction and study of the fundamental principles of diagnostic ultrasound physics and instrumentation. Study of acoustic physics and various diagnostic equipment along with artifacts and quality control. 3 semester hours. *Consent Required. '*



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DMSC 308 Obstetrics-Gynecology Pathology. Presentation of sonographic appearances of pathology relating to the pelvic organs, pregnant uterus and related structures. Fetal congenital anomalies and sonographic appearances are examined. Review of female hormone and reproductive cycle. Interpretation of patient charts, relating clinical history, lab and radiology reports and surgical procedures to pathologic processes is studied. Discussion of differentiating characteristics of various pathologies and any related organ involvement. 4 semester hours. *Consent Required.* '

DMSC 309 Pathophysiology. Review of organ physiology processes and cellular involvement in various pathologic conditions. Major organ systems and related pathologies are discussed. 2 semester hours. *Consent Required.* '

DMSC 310 Abdomen Pathology. Sonographic appearances of pathology relating to abdominal organs and superficial parts are studied. Discussion of differentiating characteristics and pathologic processes of various diseases. Pathology related organ involvement is identified. Interpretation of patient charts, relating clinical history, lab and radiology reports and surgical procedures to pathologic processes. Pediatric pathologies are discussed. 3 semester hours. *Consent Required.* '

DMSC 311 Clinical Education II. This course emphasizes clinical experience progression under the supervision of faculty, sonography staff, and clinical instructor. Continued practicum in the clinical applications of abdominal sonography, female pelvis, and obstetrical application. effective communication, operation of equipment, patient care and technical skills developed. Pass-fail grading. 3 semester hours. *Consent Required.* '

DMSC 312 Principles of Ultrasound Physics II. Continuation of the study of the fundamental principles of diagnostic ultrasound physics and instrumentation. Study of Doppler physics, spectral and color flow principles and instrumentation, artifacts and QA, plus a review of bioeffects, safety, and AIUM acoustic energy guidelines. 2 semester hours. *Consent Required.* '

DMSC 313 Ultrasound Image Critique. Study of film critique, technical factors, and interpretation of quality sonographic images. Review of sonographic terminology, image quality factors, scanning protocols and techniques, and normal sonographic appearances of abdominal, OB_GYN, and vascular structures. Integration of clinical history and related organ systems to aid in the interpretation of images. Discussion of abnormal sonographic images and correlation of clinical data to develop diagnostic criteria. 1 semester hour. *Consent Required.* '

DMSC 314 Clinical Education III. The student continues to improve scanning skills under the supervision of faculty, sonography staff and clinical instructor. Emphasis remains on abdominal, small parts, and obstetrical-gynecological sonography. The student will have an opportunity to refine skills and increase self-confidence through progressively more independent scanning. All assigned SCAN proficiencies are completed. Pass-fail grading. 3 semester hours. *Consent Required.* '

DMSC 315 Introduction to Pediatrics and Vascular Imaging. Introduction to neonatal and pediatric sonographic examinations and pathologies. Peripheral vascular anatomy, protocols, and pathologies are discussed. Included is the practice of carotid artery and lower extremity venous peripheral vascular exams under direct supervision in the laboratory setting. 1 semester hour. *Consent Required.* '

DMSC 316 Speciality Sonography. Study of various obstetrical, abdominal, and superficial parts pathology, including neonatal procedures, GI tract, soft tissues, liver transplants, and invasive procedures. Presentation of pathologic processes, sonographic appearances, and clinical history. Administrative duties pertinent to managing a diagnostic ultrasound department are presented. 2 semester hours. *Consent Required.* '



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DMSC 317 Clinical Education IV. In this final period of clinical study, the student demonstrates full competency and progresses to full independence under the supervision of sonography staff, clinical instructor, and clinical coordinator. Emphasis on abdominal, small parts, OB_GYN pathology identification, diagnosis, and related organ involvement documentation. Rotations in the practice of peripheral vascular exams, pediatrics, breast imaging, and other specialties within the field may be arranged. Pass/fail grading. 4 semester hours. *Consent Required.* '

DMSC 318 Registry Review. A review of abdomen, OB_GYN, and physics information pertinent to taking the American Registry of Diagnostic Medical Sonography national certification examinations. Registry applications are provided, and mock registry exams are part of the review process. 2 semester hours. *Consent Required.* '

Economics (

ECON 100 Introduction to Economics. This core course is a general introduction for non-majors into the operation of the economy. Includes the demand-supply model, and study of specific market structures (Microeconomics), and the aggregate demand-aggregate supply model, business cycles, unemployment, inflation and monetary and fiscal policy (Macroeconomics). IAI S3 900. Each semester. Math 095. 3 semester hours. Business/Economics Core Elect

ECON 101 Principles of Macroeconomics. Determination of income, employment, and the price level. Effects of fiscal and monetary policies. IAI S3 901. Math 105, 108, or 110. 3 semester hours. Business/Economics Core Elect

ECON 102 Principles of Microeconomics. Demand-Supply model, consumer and firm decision-making, market structures, price determination, resource allocation. IAI S3 902. Math 105, 108, 110. 3 semester hours. Business/Economics Core Elect

ECON 201 Theory of Income and Economic Growth. Advanced analysis of determinants of growth, national income, employment, and price level; monetary and fiscal policy. Prerequisite: ECON 101, ECON 102. 3 semester hours. %

ECON 202 Price Theory and Application. Analysis of consumer choices and of decision-making by firms under different market conditions. Prerequisite: ECON 101, ECON 102. 3 semester hours. %

ECON 227 Applied Microeconomics. This course surveys the broad concepts of microeconomics. Topics include supply-demand concepts, the production function, pricing analysis, resource allocations and market structures. The emphasis is on developing understand and mastery of skills required by managers of organizational units of all types. Prerequisite: Admission to the Adult Accelerated Cohort Program. 4 semester hours. %

ECON 291 Topics. Advance coverage of selected topics in economics. Specific content will vary from year to year depending on which faculty member teaches the course. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

ECON 292 Economics Teaching. This course is a practicum in economics. Prerequisite: Departmental approval and consent of Instructor. (Each semester.) 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '



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ECON 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12. '*

ECON 305 Comparative Economic Systems. A comparative analysis of the major world economic systems, including a critical appraisal of underlying philosophies, economic theories, structures, and performance. 3 semester hours. %

ECON 310 Money and Financial Markets. Study of money, the banking system, monetary theories, and relation of the monetary system to national income, employment, and price levels. Prerequisite: ECON 101, ECON 102. Fall. 3 semester hours. %

ECON 320 Area Studies. Cultural, economic and business conditions of different world regions. Periodically. Prerequisite: ECON 101, consent of instructor. 3 semester hours. Business/Economics Core Elect *Consent Required. '*

ECON 331 Labor and Industrial Relations. Analysis of the structure and behavior of labor and business enterprises and implications of this behavior for resource allocation and individual welfare. Prerequisite: ECON 101, ECON 202. 3 semester hours. Writing Intensive

ECON 340 Public Finance. This course examines the economics of the public sector, including the impact of the government budget on resource allocation, income distribution and economic stabilization; principles and problems of budget determination, including both tax and expenditure aspects; tax shifting and incidence; and fiscal and debt management policies. Prerequisite: ECON 101, ECON 202 3 semester hours. %

ECON 351 Global Development Issues. A study of the meaning, measurement and historical context of economic development and the issues underlying the vast differences in development between nations of the world. Topics covered include population, agriculture, industry, trade and foreign debt. (Periodically) 3 semester hours. %

ECON 360 International Trade and Finance. Trade theory, trade barriers, Balance of payments, Exchange Rates, Open-Economy Macroeconomics. Prerequisite: ECON 101, ECON 310, and "C" or better in MATH 115 3 semester hours. %

ECON 370 Industrial Organization & Policy. Focuses on empirical studies in patterns of market structure, business behavior, and performance. Applications in the fields of antitrust and regulation are stressed. Prerequisite: ECON 202. 3 semester hours. %

ECON 391 Topics. Advance coverage of selected topics in economics. Specific content will vary from year to year depending on which faculty member teaches the course. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

ECON 395 Independent Study. Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. Prerequisite: Permission of the department or of the instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

ECON 397 Internship. Practical experiences in business related fields under the supervision of the program. Prerequisite: Permission of the department or of the instructor. 3 semester hours. %



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EDUC 200 Preclinical Experience. Directed observation and participation in off-campus setting. Students participate in a 35 hour experience. Transportation needed. Each semester. IAI EED 904; IAI SED 905. Prerequisite: Cumulative GPA of 2.50, preclinical application and co-registration in EDUC-205. 1 semester hour. %

EDUC 205 History and Philosophy of Education. A survey of education in the United States from the Colonial period to the present with emphasis on the major philosophies which have influenced American education. Philosophies relative to each grade level, including middle grades, are presented. Each semester. Prerequisite: Cumulative G.P.A. of 2.50 and co-registration in EDUC 200. 3 semester hours. %

EDUC 206 Transfer Introduction to Education Seminar. A required seminar course for students who have been awarded transfer credit for Education 205 (History and Philosophy of Education). Registration is required during the first semester of matriculation in the School of Education. The seminar will meet for 5 sessions and will serve as introduction to the Benedictine University School of Education, LiveText, and the portfolio process. Students registering for this course will undergo a State of Illinois background check. Each semester.

EDUC 207 Introduction to Education Seminar. For all Education majors and minors who enter Benedictine University as of Fall 2010

EDUC 210 Educational Psychology. Survey of theories of classroom learning processes including human growth and development, evaluation, the exceptional child and the disadvantaged child. Emphasis also on the developmental characteristics and nature and needs of the early adolescent. Cross-referenced with PSYC 241. Each semester. IAI SED 902. 3 semester hours. %

EDUC 215 Technology for Teachers. This required course will cover topics relevant to use of technology in the classroom, lesson planning via technology, and use of the Internet for education purposes. Other topics include: LiveText, Powerpoint, WebCT, Inspiration, Dreamworks, design of web pages and user groups, spreadsheets for grade reports, and digital portfolios. Each semester (module course). Prerequisite: Co-registration in EDUC-200 and EDUC-205 (or EDUC 206); cumulative G.P.A. of 2.5 3 semester hours. %

EDUC 227 Aural Skill IV. Fourth course in training of musical skills relating to pitch and rhythmic recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on proficiency testing. Spring. Prerequisites: MUSI 101/112, 102/113, and 201/212 or proficiency testing. Co-registration with MUSI 202 required. 1 semester hour. %

EDUC 235 Children's Literature. Survey of forms of literature written for children. Emphasis on appreciation and evaluation of books and authors, choices for age groups, school and home settings and the importance of children's literature as a basis for a lifelong enrichment. Spring. Prerequisite: Cumulative G.P.A. of 2.5. 3 semester hours. %

EDUC 240 Reading and Language Arts. The development of total content in reading and language arts: emphasizes an holistic approach to teaching reading, writing, speaking and listening. Specific methods and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Fall.
Prerequisite: EDUC 205 and cumulative G.P.A. of 2.5. 3 semester hours. %



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EDUC 257 Learning Behavior Characteristics of Individuals with Physical Disabilities and Mental Retardation.

Reading and discussion regarding learning and behavioral characteristics of persons labeled with physical handicaps and mental retardation. Students will develop awareness of the diverse medical, physical, motor, communication, social-emotional and cognitive needs and defining characteristics of the population, as well as identify appropriate programming approaches.

Fall. Prerequisite: EDUC-260(3), cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 260 Survey of Exceptional Children. Discussion of atypical development: characteristics of persons labeled as having mental retardation, learning disabilities, behavioral disabilities, sensory deficits, speech disorders and health/physical challenges. Diagnosis, referral, educational strategies and legal implications are reviewed. Each semester. Cross referenced with PSYC 204. IAI ECE 913; IAI SED 904. 3 semester hours. %

EDUC 265 Learning Behavior Characteristics of Individuals with Learning Disabilities. Includes: severe emotional disturbances history, definitions, assessment techniques, placement procedures and intervention techniques. Current research and theories are explored and analyzed. Focuses on supported education and collaborative learning. Fall. Prerequisite: EDUC-260, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 270 Learning Behavior Characteristics of Individuals with Emotional Disorders. A study of characteristics of people with severe emotional disturbances, including causes, characteristics and implications for therapeutic intervention. Educational approaches and philosophies, as well as diagnostic categories of SED will be explored. Fall. Prerequisite: EDUC-260, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 275 Working with Families of Persons with Disabilities. Designed to enable the future professional to work with families of persons who have exceptional needs. Emphasis is on family systems theory, legislation and formation of cooperative school and home partnerships with families. Spring. Prerequisite: EDUC-260 and cumulative GPA of 2.5. 3 semester hours. %

EDUC 300 Professional Seminar for Teachers. This required module course is offered each semester and should be taken halfway through the professional sequence of education courses. It is designed to provide a discussion forum for topics such as understanding the school culture, boundary issues, important aspects of school law, relationships with colleagues, demeanor and dress, and classroom responsibilities. Each semester. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 1 semester hour. %

EDUC 310 Measurement & Evaluation. Introduction to basic education statistics, K-12 assessments, understanding assessment issues and understanding educational research. Includes design of classroom tests and education assessments; portfolio assessment; and assessment strategies for exceptional children. Each semester. Prerequisite: EDUC-260 and cumulative G.P.A. of 2.5. 3 semester hours. %

EDUC 311 Assessment and Diagnosis for Special Education (LBSI). This course provides students with the background and skills essential to utilize diagnostic data to construct appropriate educational recommendations and to prepare comprehensive educational evaluations for students with special learning needs. Pre-Requisite: Educ 260 and cumulative gpa of 2.5 or higher 3 semester hours. %

EDUC 312 Methods of Teaching Social Studies - Elementary. Methods and materials for teaching social studies in elementary and middle schools. Specific methods (e.g. reading in the content area) and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Fall. Prerequisite: EDUC-205, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %



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EDUC 313 Linguistics for Educators. Linguistics for educators is a classroom focused introduction to the study of language and linguistics. The purpose of this class is to provide classroom teachers with a practical grasp of social and academic linguistic building blocks inherent in the English language and how they apply to teaching ESL. (Includes 15 clinical hours) 3 semester hours. %

EDUC 314 Theoretical Foundations of Teaching English as a Second Language. This course will help practicing and prospective teachers to understand current research and theories of second language acquisitions (SLA), specifically as they relate to teaching English as a second language. Through readings, critical analysis and thoughtful discussion, students will learn about the current theories of second language learning and acquisition. This class is intended to help prospective teachers create a rationale for their teaching by exposing them to a broad range of theory and research in psycholinguistics, applied linguistics, learning theory, sociolinguistics and the various teaching methodologies which are rooted in these fields. Students will examine the major theories, concepts and guiding hypotheses in the field of Applied Linguistics and Teaching English to Speakers of Other Languages (TESOL) in terms of English language learners' performance. Students will explore the many factors that affect school performance of second language learners. Students will investigate and develop useful and relevant models of SLA, engage and debate the merits of various theories, and learn the vocabulary of the field (Includes 20 clinical hours) 3 semester hours. %

EDUC 315 Methods of Teaching Mathematics - Elementary. Characteristics and concepts of programs in elementary and middle-grade mathematics. The patterns of meaningful instruction, curricular trends and teaching materials and philosophies relative to grade K-2, 3-5 and 6-8 are discussed. Students participate in a 35-hour preclinical experience. Transportation needed. Fall. Prerequisite: EDUC-205, co-registration in EDUC-316, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 316 Preclinical Experience - Elementary Mathematics. Thirty-five hours in an off-campus setting. Transportation needed. Fall. Prerequisite: Preclinical application, co-registration in EDUC-315, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 317 Methods and materials for ESL. Briefly overview the historical development and theoretical basis of a range of methodologies and approaches in Teaching English as a Second Language (TESL). Develops an understanding and critical appreciation of the advantages and disadvantages of current approaches, methods, techniques, activities and materials for teaching ESL to students K-12. Examines the relationship between TESL and No Child Left Behind (NCLB) mandated standards. Students will gain practical experience in developing curricula and materials appropriate to specific K-12 ESL teaching contexts. (Includes 20 clinical hours) 3 semester hours. %

EDUC 318 Methods of Teaching Science - Elementary. Methods and materials for teaching science in the elementary and middle school classrooms. Specific methods (e.g. reading in the content area) and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Spring. Prerequisite: EDUC-205, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 320 Literacy and Assessment. Includes discussion of reading assessment in terms of diagnosing problems and prescribing instruction for children experiencing reading difficulties in grades K-2, 3-5 and 6-8. Students participate in a 35-hour clinical experience that affords the opportunity to apply theory into practice. Transportation needed. Each semester. Prerequisite: EDUC 240, co-registration in EDUC 321, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. Writing Intensive

EDUC 321 Preclinical Experience: Reading. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Pre-clinical application, co-registration in EDUC-320, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '



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EDUC 322 Reading, Writing and Thinking in the Middle and Secondary School Curriculum. Examines the relationship between reading, writing, oral communication and thinking and explores strategies for integrating these areas across the curriculum. Examines a variety of theoretical perspectives and instructional strategies involving simulation, role-playing, case studies, inquiry, problem-solving, critical thinking and environmental learning. Lesson and unit plan development emphasized. Spring. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. %

EDUC 330 Methods of Teaching Physical Science - Middle/Jr. and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school and high school. Fall. Prerequisite: EDUC 205, co-registration in EDUC 350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 331 Methods of Teaching Chemical Science - Middle/Jr. and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school and high school. Fall. Prerequisite: EDUC 205, co-registration in EDUC 350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 332 Methods of Teaching Biological Science - Middle/Jr. High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school and high school. Fall. Prerequisite: EDUC-205, co-registration in EDUC-350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 333 Assessment of English as a Second Language and Bilingual Students. Assessment is a systematic process that plays a key role in every aspect of programming for ESL and bilingual learners. Assessment of ESL and bilingual students provides educators with information and hands-on experience in dealing with the subject of formal and informal assessment/evaluation within cross-cultural settings, particularly in the education of ESL and bilingual learners. (Includes 20 clinical hours). 3 semester hours. %

EDUC 334 Cultural Diversity and English as a Second Language. This course examines the nature of culture and its impact on the political and social aspects of teaching and learning a second language in culturally and linguistically diverse settings. Related topics include biculturalism, race, ethnicity, gender and social class; the implications of government policies such as No Child Left Behind (NCLB); addressing diversity in the classroom; and interacting with immigrant parents and communities. Students will be involved in critical reflection on both theory and practical experience, with the goal of developing a deeper cultural awareness that can inform their teaching and interaction with diverse communities. (Includes 20 clinical hours) 3 semester hours. %

EDUC 335 Methods of Teaching Mathematics - Middle/Jr. and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school (grades 6-8) and high school (grades 9-12). Fall. Prerequisite: EDUC 205, co-registration in EDUC 350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 337 Multicultural Literature for Children and Adolescents. This course will introduce students to a range of high quality multicultural literature for all grade levels. Students will immerse themselves in the texts as they learn how cultural, linguistic and ethnic diversity influence reading; how breadth and depth of reading experience influence vocabulary and comprehension development; a variety of ways to respond to literature; the analysis and evaluation of material; understanding dialect; and language differences and the implication for reading. (Includes 5 clinical hours). 3 semester hours. %

EDUC 338 Methods of Teaching English - Middle/Jr. and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school and high school. Fall. Prerequisite: EDUC-205, co-registration in EDUC-350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %



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EDUC 340 Methods of Teaching Spanish-Elementary, Middle/Junior, and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for grades K-12. Fall. Prerequisite: EDUC 205, co-registration in EDUC 350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. *Consent Required.* '

EDUC 342 Methods of Teaching History, Political Science and Economics-Middle/Jr. and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area. Transportation needed. Fall. Prerequisite: EDUC-205, co-registration in EDUC-350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 343 Methods of Teaching Business/Marketing/Computer Education - Middle/Junior and High School. Emphasis is placed on the methods, content and instructional materials utilized in the subject area for middle school and high school. Fall. Prerequisite: EDUC 205, co-registration in EDUC 350, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 350 Preclinical Experience - Middle/Junior and High School. Thirty-five hours in an off-campus classroom setting in the appropriate grade levels of middle/junior and high school (6-12) and elementary for designated certification areas (K-12). Transportation needed. Prerequisite: Preclinical application, cumulative G.P.A. of 2.5, and TEP. *Consent Required. Course Repeatable. Maximum number of units allowed 0.* '

EDUC 352 Young Adult and Multicultural Literature in the Middle and Secondary School Curriculum. Evaluation, selection and teaching of literature to serve the interests and reading needs of students from the middle-school through high school. The course includes literature which reflects the culture and heritage of America's multiethnic/multicultural population. The course emphasizes theory and research in reading comprehension, literary criticism, including reader response and curriculum and instruction. In addition, the course includes critical analysis, methods of teaching literature and the uses of literature in the curriculum. Periodically. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. %

EDUC 353 Methods and Principles of Middle School Education. Analysis of the philosophy and practices in middle-level education. Primary emphasis is placed on the unique needs of middle-level students and programs and instructional methods and practices designed to meet those needs, including content area reading instruction. Examination of teacher roles in the middle school and curricular reform movements, including strategies for teaching across the curriculum. Students participate in a 35-hour preclinical experience. Transportation is needed. Fall and Spring. Prerequisite: EDUC 205, co-registration in EDUC 354, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 354 Preclinical Experience: Methods and Principles of Middle School Education. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Preclinical application, co-registration in EDUC 353, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 355 Classroom Management. Identifies positive programming strategies for managing challenging behavior in elementary, middle school, secondary and special education classrooms. Prerequisite: EDUC-205, 260, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. *Consent Required.* '

EDUC 356 Preclinical Experience: Classroom Management. Twenty hours in an off-campus setting. Transportation needed. Prerequisite: Preclinical application, co-registration in EDUC 355, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '



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EDUC 357 Learning Behavior Methods of Teaching Individuals with Physical Disabilities and Mental Retardation.

Techniques for arranging the instructional environment to provide for maximum learner participation; design of individualized adaptations and methods of ensuring learner acquisition, fluency, maintenance and generalization for those learners identified with physical handicaps and mental retardation. 35 hour preclinical experience required. Transportation needed. Spring. Prerequisite: EDUC 257(3), EDUC 205(3), EDUC 260(3), co-registration in EDUC 358(0), cumulative G.P.A. of 2.5, and TEP. 4 semester hours. %

EDUC 358 Preclinical Experience: Physical Disabilities and Mental Retardation Methods. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Preclinical application, co-registration in EDUC-357(3), cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 360 Learning Behavior Methods of Teaching Individuals with Learning Disabilities. Focus is on the design, implementation and evaluation of data-based instruction for instructing students with learning disabilities. Students participate in a 35-hour preclinical experience. Transportation needed. Spring. Prerequisite: EDUC-205, 260, 265, co-registration in EDUC-361, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 361 Preclinical Experience: Learning Disabilities Methods. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Preclinical application, co-registration in EDUC 360, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 365 Learning Behavior Methods of Teaching Individuals with Emotional Disorders. Designed to enable the teacher to implement environmental and contingency management principles. Teacher survival skills in relationship to children labeled as having social/emotional and behavior disorders will be studied. Emphasis will be placed on methods of educating within a functional, age-appropriate, community-based approach. Students participate in a 35-hour preclinical experience. Transportation needed. Spring. Prerequisite: EDUC 205, EDUC 260, EDUC 270, co-registration in EDUC 366, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. %

EDUC 366 Preclinical Experience: Emotional Disorder Methods. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Preclinical application, co-registration in EDUC 365, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 370 Student Teaching Elementary and Middle School. Full semester teaching experience under professional guidance. Includes observation, planning and supervised teaching. Each semester. Prerequisite: Required professional education courses and approval by the Teacher Education Committee. Applications must be submitted one year in advance. Transportation needed. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 12 semester hours. *Consent Required.* '

EDUC 371 Student Teaching - Middle/Junior and High School. Full semester teaching experience under professional guidance. Includes observation, planning and supervised teaching. Each semester. Prerequisite: Required professional education courses and approval by the Teacher Education Committee. Applications must be submitted one year in advance. Transportation needed. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 12 semester hours. *Consent Required.* '



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EDUC 372 Student Teaching - Elementary Special Education, Learning Behavior Specialist I. Half-semester student teaching under professional guidance. Includes observation, planning and supervised teaching in an elementary school. Each semester. Prerequisite: Co-registration in EDUC 373, required professional education courses and approval by the Teacher Education Committee. Applications must be submitted one year in advance. Transportation needed. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 6 semester hours. *Consent Required.* '

EDUC 373 Student Teaching - Secondary Special Education, Learning Behavior Specialist I. Half semester student teaching under professional guidance. Includes observation, planning and supervised teaching in a secondary school. Each semester. Prerequisite: Co-registration in EDUC-372, required professional education courses and approval by the Teacher Education Committee. Applications must be submitted one year in advance. Transportation needed. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 6 semester hours. *Consent Required.* '

EDUC 374 Student Teaching K-8 Elementary Music Education. Half-semester student teaching under professional guidance. Includes observation, planning, and supervised teaching in an elementary school. Transportation needed. Applications must be submitted one year in advance. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 6 semester hours. *Consent Required.* '

EDUC 375 Student Teaching 6-12 Secondary Music Education. Half-semester student teaching under professional guidance. Includes observation, planning, and supervised teaching in a secondary school. Transportation needed. Applications must be submitted one year in advance. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 6 semester hours. *Consent Required.* '

EDUC 391 Topics. Relevant topics according to the needs and interest of education students. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

EDUC 395 Independent Study in Education. Intensive independent study on a problem topic in education to fit the specific interests as well as needs of specific research problems. Work cannot be done in conjunction with another education course, nor in place of a required course.

Prerequisite: Permission of the education advisor, cumulative G.P.A. of 2.5., and TEP. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Engineering (

ENGR 120 Engineering Graphics. Fundamentals of engineering communications employing applied geometry in instrument and CAD presentation and interpretation of orthographic, sectional, intersection, development and pictorial views. Introduction to basic machine elements and shop practices. Fall. 2 semester hours. %

ENGR 220 Analytical Mechanics. This course presents an intermediate treatment of Newton's law in various coordinate systems, projectile motion including air resistance, momentum, angular momentum, energy and conservative forces, driven and damped oscillators, LaGrange's equations, two-body central force problems, mechanics in non-inertial frames, rotational motion of rigid bodies, and coupled oscillators. The course introduces vector calculus, differential equations, complex numbers, Taylor series, and matrices in the solutions to problems. Fall. IAI EGR 942. Prerequisites - PHYS 211 and credit or co-registration in MATH 211. 3 semester hours. %



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ENGR 264 Electronics. An integrated laboratory and lecture course designed to cover the basic principles of modern electronics. Topics include AC and DC circuits, linear and non-linear devices, power supplies, operational amplifiers, and logic circuits. Lecture and laboratory work are integrated allowing the students to test the theory through projects that the students design and build. Spring. Pre-Requisite: Phys 118 or 212 or consent of the Instructor. Cross listed with PHYS 264. 3 semester hours. %

English as a Second Language (

ESLS 10 Beginning Listening. Recognizes the names of familiar objects by listening to language in clearly contextualized situations. Constructs meaning by combining comprehension of familiar vocabulary words with a variety of strategies to fill in gaps. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18. '*

ESLS 11 Beginning Reading. Begins with the basic vocabulary and sentence patterns; reading oral presentations. Identifies an increasing number of cognates, borrowed words, and highly contextualized words and phrases. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18. '*

ESLS 13 Beginning Oral Communication. Focuses on successfully communicating basic survival needs for campus and community. Develops conversational abilities by focusing on questions and answers as the foundation of oral interaction. Pre-requisite: Co-registration with ESLS 014. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18. '*

ESLS 14 Pronunciation I Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18. '*

ESLS 15 Beginning Writing. Emphasizes sentence level grammar; practice supplying written responses to questions. Begins to organize ideas into simple paragraph form. Prerequisite: Co-registration in ESLS 016. Each semester. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27. '*

ESLS 16 Grammar I Workshop. Workshop oriented course that emphasizes the formal properties of the English language. Focuses on basic statement and question patterns, identifying parts of speech, subject/verb agreement, simple and continuous present, past, and future tenses, and introduce nouns/pronouns, articles, adverbs, and adjectives, demonstratives, possessives, conjunctions, quantifiers, prepositions, and modals. Practices error correction and TOEFL tests. Each semester. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 9. '*

ESLS 17 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27. '*

ESLS 20 Intermediate Listening. Improves speaking and listening abilities in performing social and academic functions. Practices note-taking from oral talks, and video/audio clips; identifies main points and support. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*



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ESLS 21 Intermediate Reading. Reads a variety of simple connected texts with increased understanding. Attention to skimming and scanning as well as paraphrasing and summarizing short texts. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 24 Pronunciation II Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 25 Intermediate Writing. Learns to write paragraphs with a topic sentence, supporting details, and concluding statement. Writes on a variety of topics. Prerequisite: Co-registration with ESLS 026. Each semester. 3 semester hours. % *Course Repeatable. Maximum number of units allowed 27. '*

ESLS 26 Grammar II Lab. Workshop oriented course that emphasizes the formal properties of the English language. Identifies and develops a greater control of the students' grammar needs. Areas of focus include: present, past, future, and perfect tenses; noun phrases; adjectives clauses and adjective phrases; comparisons; modals; gerunds and infinitives. Practices error correction and TOEFL tests. Each semester. 1 semester hour. *Course Repeatable. Maximum number of units allowed 9. '*

ESLS 27 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27. '*

ESLS 30 Advanced Listening. Uses authentic listening sources to develop the ability to listen to general, academic information and improve note-taking skills. Students will attend a lecture in their field of study. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 31 Advanced Reading. Reads authentic academic and literary texts. Focus on critical reading skills such as recognizing bias and assessing the validity of written material. Improves skimming and scanning techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 32 Intermediate Oral Communication. Practices interaction through collaborative grouping; conduct interviews, interviews, make cultural comparisons, and gives short oral presentations. Prerequisite: Co-registration with ESLS 024. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 33 Advanced Oral Communication. Participates fully in discussions and present ideas on complex topics. Prepares formal presentations making full use of support technology. Prerequisite: Co-registration with ESLS 034. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 34 Pronunciation III Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 35 Advanced Writing. Focuses on writing as a process. Writes cohesive works in various patterns of essay organization. Prerequisite: Co-registration with ESLS 036. Each semester. 3 semester hours. *Course Repeatable. Maximum number of units allowed 6. '*



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ESLS 36 Grammar III Lab. Workshop oriented courses that emphasizes the formal properties of the English language. Identifies and improves on students' grammar needs. Areas of focus include: present, past, future, and perfect tenses; noun phrases and clauses; adjective clauses and adjective phrases; gerunds and infinitives; modals; passives; conditionals; adverb clauses and phrases; connecting ideas. Practices error correction and TOEFL tests. Each semester. 1 semester hour. %
Course Repeatable. Maximum number of units allowed 9. '

ESLS 37 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27. '*

ESLS 100 College Conference Writing. This bridge course introduces and develops college-level; writing as a writing process. Improves on developing and supporting a thesis in a variety of organized essays including a research paper. Emphasizes self and peer editing, and strategies for essay exams. Each semester. 3 semester hours. *Course Repeatable. Maximum number of units allowed 27. '*

Environmental Science (

ENVS 105 Physical Geography. An introduction to hydrology and the physical processes operating in and on the planet earth. Topics of study will include ground and surface water, the hydrologic cycle, watershed models, groundwater recharge, geomorphology, tectonics, structural features, and geological processes relating to natural resource management, environmental processes and concerns. Periodically. 3 semester hours. Physical Science Core Elect

ENVS 205 Environmental Science. A survey of environmental science with an emphasis on global concerns, biological and physical resources, resource use, conservation issues, and the interactions among science, society, and the environment. Spring. Prerequisite: BIOL 108 or 197 and 198. 3 semester hours. %

ENVS 210 OSHA Hazardous Waste Operation & Emergency Response Training. Forty classroom hours of training in recognition, evaluation, and proper work practices dealing with hazardous materials and wastes in compliance with 29CFR 1910.120. Students passing the course will receive a certificate renewable every year allowing them to work on sites in compliance with the federal statute. There will be an extra certification fee associated with the course. Spring. Cross listed with ENVS / BIOL 210. 1 semester hour. *Consent Required. '*

ENVS 211 OSHA Hazardous Waste Operations and Emergency Response Training Refresher. Eight classroom hours of training in the recognition, evaluation, and proper work practices dealing with hazardous materials and hazardous waste evaluation. The class is for the annual recertification in compliance with 29CFR 1910.120 for students who have passed ENVS-210 or who have current valid certification through other institutions. There will be an extra certification fee associated with the course. Prerequisite: ENVS /BIOL 210. Spring. Cross listed: ENVS / BIOL 211. 1 semester hour. %
Consent Required. '

ENVS 300 Limnology. The study of the interrelations among the physical, chemical, and biological components of freshwater ecosystems. Includes taxonomy, adaptations, distributions, and abundance of aquatic organisms. Periodically. Prerequisite: BIOL 229, CHEM 124 or CHEM 236. Cross-listed ENVS / BIOL 300. 3 semester hours. %



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ENVS 305 Environmental Toxicology. A study of the toxic effects of chemicals on human and ecological populations. Includes the physiological, genetic, and teratogenic effects of chemicals on humans and the study of biomagnification of chemicals through the food chain. Case studies and risk modeling using computers will be included to integrate theory and regulatory compliance. Periodically. Prerequisite: BIOL 256 or BIOL 258. Cross listed with ENVS / BIOL 305. 4 semester hours. %

ENVS 398 Capstone Project. Projects (involving laboratory and field study) that integrate the principle and practice of environmental issues. The experience culminates in written and oral presentation of the findings. May be repeated. Periodically. 1-3 semester hours. *Consent Required.* '

Finance (

FINA 120 Financial Literacy. This course provides students of all majors, concentrations and levels of study, strategies to achieve good spending and savings habits, along with an opportunity to share their knowledge with others in the outside community. Students will create a personal budget and statement of net worth, keep track of their spending and learn how to better manage credit card debt and learn how to use benefit and savings plans to help achieve future financial goals. This course has a service learning component. Fall and Spring-yearly. 2 semester hours. %

FINA 220 Personal Financial Planning. An introduction to personal financial planning. Topics covered include: time value of money, tax planning, cash management, credit cards, purchase of home, auto and health insurance, retirement and estate planning. Spring semester. 3 semester hours. Business/Economics Core Elect

FINA 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

FINA 300 Managerial Finance. An analysis of the functions of financial management in the decision-making process of the firm. Fall and Spring semesters. Prerequisite: ACCT 112, Math 115 3 semester hours. %

FINA 310 Money and Financial Markets. Study of money, the banking system, monetary theories, and relation of the monetary system to national income, employment, and price levels. Prerequisite: ECON 101, ECON 102. Fall. 3 semester hours. %

FINA 320 Investments. A framework useful to develop investment policy for individuals and institutions; security evaluation methods and portfolio management strategies are developed. Fall semester. Prerequisite: FINA 300 3 semester hours. %

FINA 330 Business & Economic Forecasting. Acquaints students with statistical forecasting methodologies, while placing special emphasis on the underlying assumptions. The emphasis is on time-series methods used for forecasting and includes techniques such as decomposition, smoothing, regression, and ARIMA modeling. (See MBA-613 in the graduate bulletin). 3 semester hours. %

FINA 340 Public Finance. This course examines the economics of the public sector, including the impact of the government budget on resource allocation, income distribution and economic stabilization; principles and problems of budget determination, including both tax and expenditure aspects; tax shifting and incidence; and fiscal and debt management policies. Prerequisite: ECON 101, ECON 202 3 semester hours. %



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FINA 360 International Trade and Finance. Trade theory, trade barriers, Balance of payments, Exchange Rates, Open-Economy Macroeconomics. Prerequisite: ECON 101, ECON 310, and "C" or better in MATH 115 3 semester hours. %

FINA 370 Multinational Corporate Finance. Stresses the financial decision-making of a firm in an international setting. Covers international financial markets, exchange risk management, asset and liability management, and international banking. Pre-requisite: Econ 101, Econ 102, ACCT 111. Spring. 3 semester hours. %

FINA 380 Advanced Managerial Finance. A continuation of Managerial Finance with a focus placed upon corporate financial decisions. The case approach is used to analyze various advanced finance-related topics. Spring semester. This is the capstone course for the Finance major. Prerequisite: FINA 300 3 semester hours. %

FINA 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

FINA 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

FINA 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.* '

Fine Arts (

FNAR 100 Art Appreciation. Introduction to the visual arts through lectures, discussions and field trips. Each semester. IAI F2 900. 3 semester hours. Fine Arts/Music Core Elective

FNAR 101 Fundamentals of Design. Emphasizes the knowledge and application of basic design principles of two-dimensional images in representational and abstract forms. Fall. 3 semester hours. Fine Arts/Music Core Elective

FNAR 111 Drawing. Fundamental drawing from observation with emphasis on linear perspective and tonal modeling of the still life and human head. Each semester. IAI ART 904. Fee \$30.00 3 semester hours. Fine Arts/Music Core Elective

FNAR 120 Lettering & Layout - Foundational. Introduction to calligraphic lettering with a broad-nib pen. Explores a variety of designs and techniques in italic and related cursive styles. Fall. 3 semester hours. Fine Arts/Music Core Elective

FNAR 121 Lettering & Layout - Italic. Introduction to calligraphic lettering with a broad-nib pen. Explores a variety of designs and techniques in italic and related cursive styles. Spring. 3 semester hours. Fine Arts/Music Core Elective

FNAR 203 Ancient and Medieval Art. Photographic presentations of significant paintings, sculptures and buildings with emphasis on religious concepts. Fall. IAI F2 901; ART 901. 3 semester hours. Fine Arts/Music Core Elective

FNAR 204 Renaissance to Modern Art. Pictorial survey of painting, sculpture and architecture in Western civilization with emphasis on religious concepts. Spring. IAI F2 902; ART 902. 3 semester hours. Fine Arts/Music Core Elective



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FNAR 205 History of Graphic Art and Design. An survey of graphic design history covering the development of symbols, typography, advertising, books, posters, the Bauhaus and the 20th Century avante garde influence on design. 3 semester hours. %

FNAR 210 Figure Drawing. Introduction to drawing the human figure from observation. Fall, odd years. IAI ART 906. 3 semester hours. %

FNAR 225 Art for Elementary Teachers. A methods and media lecture/studio course for elementary education students in the teaching of art to children from grades K-6. The course will identify art content, art media, and instructional pedagogy for including art at the elementary level. Prerequisite: Enrollment in the Elementary Education program or permission of the instructor. 3 semester hours. %

FNAR 240 Printmaking: Intaglio(Etching). A studio course emphasizing the etching medium. Spring, even years. 3 semester hours. Fine Arts/Music Core Elective

FNAR 241 Printmaking: Relief. Introduction to the woodcut and relief processes. Fall, even years. 3 semester hours. %

FNAR 242 Printmaking: Silk-Screen. A studio course on silk-screen printing. Fall, odd years. 3 semester hours. Fine Arts/Music Core Elective

FNAR 243 Printmaking: Lithography. A studio course utilizing the traditional technique of printing on Limestones. Fall, odd years. 3 semester hours. Fine Arts/Music Core Elective

FNAR 250 Oil Painting. An introductory studio course emphasizing color mixing as it relates to traditional representation. Spring. IAI ART 911. 3 semester hours. Fine Arts/Music Core Elective

FNAR 260 Graphic Design I. This course will introduce the student to vector drawing programs used for creative art purposes. 3 semester hours. %

FNAR 261 Graphic Design II. A continuation of Graphic Design I. The student will use painting and photo editing programs and employ analytical skills for purposes of creation and critical appraisal. 3 semester hours. %

FNAR 291 Topics. Focuses on various topics relating to the needs of the students and recent events and/or topics of interest. Periodically. 3 semester hours. Fine Arts/Music Core Elective

FNAR 292 Black and White Photography. Foundations of photographic theory, shooting, and print developing. 3 semester hours. Fine Arts/Music Core Elective

FNAR 293 Digital Photography. Emphasis on shooting and manipulation of digital camera imagery. 3 semester hours. % Fine Arts/Music Core Elective

FNAR 294 Computer Art. Creation of artwork using the computer as medium. 3 semester hours. Fine Arts/Music Core Elective

FNAR 295 Educational Travel. Guided tour of religious and cultural monuments in various countries. Between semesters. 1-2 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*



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FNAR 305 Advanced Painting. Representation of the human figure in oil painting while concentrating on compositional devices used throughout the history of art. Prerequisite: FNAR 250. 3 semester hours. Fine Arts/Music Core Elective

FNAR 311 Advanced Drawing. An intensive investigation into the use of value and the compositional elements of picture making. Emphasis will be placed on the methods of representation as evidenced by the traditions of past masters. Fall. Even years. Prerequisite: FNAR-C111. 3 semester hours. Fine Arts/Music Core Elective

FNAR 340 Advanced Studio Course: Intaglio. Advanced study in the medium of etching. Pre-requisite: FNAR C240. 3 semester hours. %

FNAR 360 Senior Seminar: Professional Portfolio. The students will analyze the job markets and prepare analyses of current issues in the performing arts. Analyses of demographics affecting the operations and organization of art programs in the United States will be studied. Students will be required to create a portfolio of personal data to prepare for job searches, prepare for mock interviews and present exhibition of works. Spring. Prerequisite: Junior Standing 3 semester hours. Writing Intensive

FNAR 381 Advanced Studio I. An advanced studio course that focuses on advanced issues in art making related to medium and content. The instructor may also introduce a theme for the course to further influence student work. Pre-requisite: Any 100 or 200 level studio course. 3 semester hours. %

FNAR 382 Advanced Studio II. An advanced studio course that focuses on advanced issues in art making related to medium and content. Students develop individual mastery in form and chosen subject matter. Pre-requisite: Advanced Studio I (FNAR 381). 3 semester hours. %

FNAR 383 Advanced Studio III. An advanced studio course that focuses on advanced issues in art making related to medium and content. Students continue to develop individual mastery in form and chosen subject matter. Pre-requisite: Advanced Studio II (FNAR 382) 3 semester hours. %

FNAR 384 Advanced Studio IV: Senior Exhibit. An advanced studio course that focuses on advanced issues in art making related to medium and content. Students focus their efforts on compiling art for their senior exhibit. Pre-requisite: Advanced Studio III (FNAR 383). 3 semester hours. %

FNAR 391 Topics. Focuses on various topics relating to the needs of the students and recent events and/or topics of interest. Periodically. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

FNAR 395 Independent Study. A course designed to provide students with individual and focused coursework in some area of studio art. Prerequisite: Department Consent 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

FNAR 397 Internship. A practical course intended to give those students who are qualified an opportunity to do some observing - either in a classroom or privately - or to perform any practical job associated with his or her field under the supervision of the faculty. Each semester. Prerequisite: Department Consent 3 semester hours. *Consent Required. '*



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FNAR 398 Senior Seminar. Theory and Criticism. (Admission restricted to art majors) The second of two required senior seminars of all studio arts majors. Discussion of key texts pertaining to the study of aesthetics, the theory and practice of studio art, art criticism and the role of the artist in society. Begin work towards professional exhibition of works. Fall. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

French (

FREN 291 Topics in French Language and Literature. Intermediate-level study of topics in French literature, culture and civilization. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

FREN 391 Topics in French Language and Literature. Advanced-level study of topics in French literature, culture and civilization. 1-3 semester hours. %

Gender Studies (

GENS 100 Gender and Literature. Introduction to gender issues in a variety of disciplines and exploration of international issues in the human social development that stem from the ways that gender is constructed, institutionalized, and exacted in the contemporary world. Emphasis will be placed on understanding the biological, social and cultural bases of gender differentiation as they are understood and acted upon in our own and in other societies. Cross listed with LITR C281. 3 semester hours. Literature Core Elective

Geography (

GEOG 105 Physical Geography. An introduction to hydrology and the physical processes operating in and on the planet earth. Topics of study will include ground and surface water, the hydrologic cycle, watershed models, groundwater recharge, geomorphology, tectonics, structural features, and geological processes relating to natural resource management, environmental processes and concerns. Periodically. 3 semester hours. Physical Science Core Elect

GEOG 106 Geography and Cartography. An interdisciplinary offering that covers basic physical geography before moving to the study of cartography and then to cultural geography. Students will demonstrate an understanding of human population growth and its impact on the earth's resources, including food, energy, physical materials, water, and landscapes; the geography of resource availability and the limits of the earth as producer of resources. They will also be required to use computer software to explore connections between geography and contemporary political, social, and economic issues. 3 semester hours. %

GEOG 107 Earth and Space Science. A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. IAI P1 909. Spring. 4 semester hours. Physical Science Core Elect

Global Studies (



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GBLS 101 Introduction to Global Studies. This interdisciplinary course will survey and interrogate the major events and processes such as colonialism, imperialism and globalization that shape and inform the contemporary world. From the perspectives of selected regions, Latin America, non-Latin America, the Middle East and the Mediterranean, the course will explore the 21st century challenges they face and the solutions they offer for preserving and inhabiting the new, global, interdependent – world. 3 semester hours. Anthropology/Poli Sci Core Ele

GBLS 102 Global Studies II. This course introduces students to research methods in various academic disciplines that are essential for conducting research in Global Studies topics. Students research topics related to global environmental issues. 3 semester hours. Anthropology/Poli Sci Core Ele

GBLS 200 American Studies. This course uses elements of fiction and non-fiction in the study of various topics of race, class and gender in American Studies. Fall. Cross listed with HIST 200. 3 semester hours. %

GBLS 202 Theories in Global Studies. Course examines the major theoretical concepts in the field of Global Studies such as capitalism, communism, socialism, transnationalism and globalization. Offered Fall. Cross listed with GBLS 302 3 semester hours. Anthropology/Poli Sci Core Ele

GBLS 220 Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. Spring. 3 semester hours. %

GBLS 300 Junior Seminar: Topics in Global Studies. Junior year seminar which takes as its focus one topic of global significance (e.g. global poverty, AIDS, development). Topic varies by year and instructor. Fall. 3 semester hours. %

GBLS 301 Advanced U. S. Literary and Cultural Studies. Explores critical questions, analytical categories, and common methodologies that structure the practice of U. S. literary and cultural studies. Students will work with primary literary texts as well as secondary sources and theoretical works. Students will also complete a research paper. Pre-requisite: LITR 100 and GBLS 200. Offered spring. 3 semester hours. Anthropology/Poli Sci Core Ele

GBLS 302 Theories in Global Studies. Course examines the major theoretical concepts in the field of Global Studies such as capitalism, communism, socialism, transnationalism and globalization. Offered Fall. Cross listed with GBLS 302 3 semester hours. Anthropology/Poli Sci Core Ele

GBLS 399 Senior Thesis. Senior capstone experience. Pre-requisite: GBLS 101 and GBLS 102 or senior standing. Spring. 3 semester hours. %

Health Administration (

HADM 250 Disaster Management: For the First Responder. Disaster Management for the First Responder - This undergraduate online certificate courses is a derivative of the MPH 650 course which covers the basic tenets of emergency management. 3 semester hours. %

HADM 300 Health Systems. Overview of the history, basic structures and operations of public health and health care delivery systems. 3 semester hours. %



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HADM 301 Behavioral and Social Aspects of Public Health. Overview of social and psychological determinants and theories of health behavior. 3 semester hours. %

HADM 303 Ethical and Political Issues. This course focuses on the ethical and political dimensions of public health and health care organizations and professions. Prerequisite: HADM 300 3 semester hours. %

HADM 305 Disaster Management: Environmental Health. Environmental Health- This undergraduate online certificate course is a derivative of MPH 605 that covers various ways to investigate environmental issues. 3 semester hours. %

HADM 354 Disaster Management: Social and Psychological Aspects of Disaster Managment. Social and Psychological Aspects of Disaster Management-This undergraduate online certificate course is a derivative of MPH 654 that covers the social and psychological aspects of emergency management and means of communications when dealing with the general public. Yearly. 3 semester hours. %

HADM 355 Health Care Safety Aspects of Disaster Management. 3 semester hours. %

HADM 356 Disaster Management: Operational Aspects of Disaster Management. Operational aspects of Disaster Management-This undergraduate online certificate is a derivative of the MPH 656 course which covers preparedness and mitigation planning. Yearly. 3 semester hours. %

HADM 357 Disaster Management: Public Health Aspects of Disaster Management. Public Health Aspects of Disaster Management- This undergraduate online certificate course is a derivative of MPH 657 that covers the public health aspects emergency management as it relates to basic human services as well as epidemic responses. Yearly. 3 semester hours. %

HADM 358 Financial Planning in Health Care Organizations. Applies the principles and techniques of financial management to intermediate and long-range planning in health care organizations. Topics include capital budgeting, cash flow analysis, planning short and long-range financing and prospective payment systems. Prerequisite: HADM 300 1.5 semester hours. %

HADM 362 Management of Health Services Organizations. Basic management principles and practical tools for health professionals. Introduction to managerial functions and components of health organizations. Cross listed with MPH 662. 3 semester hours. *Consent Required.* '

HADM 363 Legal Aspects of Health Care Administration. Covers the issues of patient rights and consent, reimbursement, expansion, malpractice, risk management and coordination with regulatory agencies. 1.5 semester hours. %

HADM 371 Finance in Public Health Care Delivery. This course considers the development of managed care, types of organizations and plans, financial models, risk management and trends, plus the complex interplay of provider, employer, payer and patient and probes the impact of managed care on health care providers, including the effects on utilization management, outcomes monitoring, quality assessment, shifting risk to providers and delivery trends. Prerequisite: HADM 300 3 semester hours. %

HADM 372 Managed Care Impact on Care Delivery. This course probes the impact of managed care on health care providers, including the effects on utilization management, outcomes monitoring, quality assessment, shifting risk to providers and delivery trends. Prerequisite: HADM 371 1.5 semester hours. %



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HADM 386 Government Regulations in the Health Industry. Regulations and systems designed to protect personal health information (e.g. HIPPA), licensing of health facilities; and quality of health care. Offered spring and summer. Cross listed with MPH 686. 3 semester hours. *Consent Required.* '

HADM 392 Health Policy and Law and Legal Aspects of Health Care. Examination of the legal implications of implementation of health policies. Cross listed with MPH 692 3 semester hours. %

Health Science (

HLSC 291 Medical Terminology. Introduction of medical terms for each body system and speciality medical fields. Includes word roots, prefixes and suffixes commonly encountered in the health care field. Fall, Spring, Summer. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

HLSC 300 Practicum Experience in Veterinary Medicine. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 301 Practicum Experience: Medicine. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 302 Practicum Experience - Dentistry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 303 Practicum Experience - Occupational Therapy. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 305 Practicum Experience - Podiatry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 307 Practicum Experience - Physical Therapy. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '



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HLSC 309 Practicum Experience - Optometry. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 310 Practicum Experience - Chiropractic. The Practicum provides 75 hours of observation for the specific Healthcare career. The observation is in a variety of clinical sites and/or % private practice offices. Prerequisite: Instructor Consent, 3.2 GPA, 30 hours completed at Benedictine University. Each semester. 2 semester hours. Writing Intensive *Consent Required.* '

HLSC 321 Fitness Testing. Laboratory and field-based testing of selected physiological parameters of the human. Exercise leadership principles and skills are emphasized. Fall. Prerequisite: Must be accepted into the 4 + 1 MCEP graduate program to register. Consent of MCEP program director required. Crosslisted with EXPH 521. 1 semester hour. %

HLSC 322 EKG Lab. Practice in the measurement and interpretation of the 12-lead EKG: normal, changes with disease, changes with exercise and stress testing. Spring. Prerequisite: HLSC 321/ EXPH 521. Cross-listed with HLSC 322, NTR 522 . 1 semester hour. %

HLSC 360 Advanced Cardiovascular and Respiratory Physiology. In depth study of the normal functioning of the cardiovascular and respiratory systems. Emphasis is placed on the acute effects of exercise as well as the adaptations that occur as a result of exercise. Fall. Prerequisite: BIOL 258. Consent of MCEP program director required. Crosslisted with EXPH 560. 3 semester hours. *Consent Required.* '

HLSC 361 Cardiopulmonary Pathophysiology and Prevention. Study of the disease and progression of cardiovascular and respiratory system diseases. Programs for primary and secondary prevention will be discussed. Spring. Prerequisite: HLSC 360/ EXPH 560. Crosslisted with EXPH 561/ HLSC 361. 3 semester hours. %

HLSC 380 Current Topics in exercise physiology. An introduction to the research literature in exercise physiology with special emphasis on research design, statistical analysis, and epidemiology, providing the basis for literature discussion in other courses. Other topics relevant to the exercise physiology program will be addressed in this forum. Fall. Prerequisite: Consent of MCEP program director required. Not a science elective for HLSC majors. Crosslisted with EXPH 580. 2 semester hours. *Consent Required.* '

HLSC 389 Health Sciences Research. Students desiring more intensive original research, with extensive requirements for laboratory or clinical facilities may use this as an extension of practicum, internship and other courses in this section. 1-3 semester hours. *Consent Required.* '

HLSC 390 Internship. Practical experience in exercise physiology in various settings such as Villa St. Benedict, hospitals, rehabilitation centers, YMCAs, colleges and corporations under the supervision of an experienced on-site professional. Internships available in wellness/fitness, rehabilitation, diagnostics or research. Each Semester. Prerequisite: Consent of MCEP program director required. 2 semester hours. *Consent Required.* '

HLSC 391 Selected Topics in Health Sciences. Special courses in the health fields with which the student has not become aquatinted in formal course work. May be an extension of or a supplement to material previously encountered, or lectures from a completely new area. Prerequisite: Department Consent. Periodically. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '



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HLSC 392 Exercise Biochemistry and Metabolism. Principles of biochemistry and metabolism of biomolecules as they pertain to rest and exercise. Interconversion of nutrients and their usage, integration of hormones and their metabolic effects on each organ system will be emphasized. Spring. Prerequisite: a biochemistry course. Cross listed with HLSC 392/EXPH 591. 3 semester hours. %

HLSC 395 Independent Study. Prerequisite: Department Consent. Periodically. 1-3 semester hours. *Consent Required.* '

History (

HIST 101 Western Civilization to 1715. An integrated survey of the development and interaction of the centers of civilization throughout the Western world to 1715. Periodically. IAI H2 901. 3 semester hours. %

HIST 111 American History to 1865. Covers the Colonial era, the revolutionary age, internal growth of the Republic, and causes of the Civil War. Fall. IAI H2 904; S2 900; HST 911. 3 semester hours. %

HIST 112 American History since 1865. Covers the industrialization of America; the organization of labor; the development of imperialism; the growth of foreign policy. Spring. IAI H2 905; S2 901; HST 912. 3 semester hours. %

HIST 200 Introduction to American Studies. This course uses elements of fiction and non-fiction in the study of various topics of race, class and gender in American Studies. (Topics vary). Fall. Cross-listed with GBLS 200 3 semester hours. %

HIST 203 Historiography. Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: HIST 111, HIST 112. 3 semester hours. Writing Intensive

HIST 205 American Economic History. Analysis of the growth of the U.S. economy and the role of government, business and labor. 3 semester hours. %

HIST 206 Modern European Economic History. Analyzes the evolution of manufacturing, agriculture, demography and international trade of Europe since 1500. 3 semester hours. %

HIST 210 Africa to 16th Century. Surveys early African civilization and formation and development of major kingdoms. 3 semester hours. %

HIST 211 Modern Africa. Surveys the major historical and cultural developments in Africa from the 19th century to the present. 3 semester hours. %

HIST 212 Colonial Latin America, 1492-1821. Surveys the pre-colonial societies (Olmec, Toltec, Aztec, Maya, Inca) that shaped the Americas prior to the coming of the Europeans, the European conquest of the Americas, the establishment of colonial societies in the Americas, through the nineteenth century wars of independence and ending with the demise of the Spanish empire in the Americas, the Cuban-Spanish War (1895-1898). 3 semester hours. %

HIST 213 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours. %



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HIST 214 The African Diaspora in Latin America, 1492-1899. An interdisciplinary course that explores the African diaspora in Latin American from the conquest of the Americans by Europeans through the end of the century. Examines how Africans and their descendents in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. 3 semester hours. %

HIST 215 The African Diaspora in Latin America, 1899-2000. An interdisciplinary course that explores the experiences of people of African descent in Latin America focussing on the fight for independence of Latin American and the continuing struggle for economic and social equality in contemporary Latin America. 3 semester hours. %

HIST 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours. %

HIST 223 Constitutional History of England. The growth and change of the English constitution from late Roman times to the present. 3 semester hours. %

HIST 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. %

HIST 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours. %

HIST 242 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. 3 semester hours. %

HIST 243 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. 3 semester hours. %

HIST 251 The French Revolution in the Wider World. Examines the intellectual and political dimensions of the French Revolution as well as the intellectual and political ramifications of that revolution in the wider world. The course will focus on the French Revolution as a generative factor in the wars of independence in the Americas, the Haitian Revolution, the European revolutions of 1848 and the Paris Commune. 3 semester hours. %

HIST 252 19th Century Europe. Covers the political, military, economic, social, and cultural development of Europe from the French Revolution to 1900. 3 semester hours. %

HIST 253 20th Century Europe, 1900 - Present. Covers the political, military, economic, social, and cultural development of Europe, including the Soviet Union, from 1900 to the present. 3 semester hours. %



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HIST 254 Modern Eastern Europe. Survey of the cultural and historical development of the peoples of Eastern Europe. Covers nationalism, independent states in the inter-war period. Communist control of Eastern Europe, collapse of communism, and the struggle for democracy. 3 semester hours. %

HIST 255 Modern Russia. Surveys Russia in the 20th century, including the rise of the Communist Party, the 1917 revolution, Stalinism, de-Stalinization, Gorbachev, perestroika, and the break-up of the Soviet Union. 3 semester hours. %

HIST 257 20th Century Social and Political Movements in a Global Context. Explores the major social and political movements that have shaped the world in the twentieth century, such as the Mexican, Russian, Chinese and Cuban Revolutions, populist, revolutionary nationalist and liberation movements in Africa and Latin America as well as the contemporary civil rights and women's movements in the United States. 3 semester hours. %

HIST 260 Women in American Society. Examines women's roles in American life and the ways in which they have shaped society, culture and politics. Topics include the major experience of women from the colonial era to the present; gender ideology and the changing images of women; the diversity of race, class and religion. 3 semester hours. %

HIST 261 Revolutionary and Jeffersonian Eras: 1763 -1828. Analyzes the causes of the Revolution, origins of the Constitution and early development of the new nation. 3 semester hours. %

HIST 262 Antebellum America, 1824-1877. This course examines the economic, political and cultural changes in the United States, culminating in the Civil War. The primary focus of the course is slavery and the battle to dismantle the peculiar institution. 3 semester hours. %

HIST 263 20th Century America to World War II. Analyzes the impact of the later industrialization, reform movements, World War I, Depression and New Deal, World War II. 3 semester hours. %

HIST 264 America Since World War II. Discusses the impact of World War II, the Cold War, the affluent society, and contemporary society. 3 semester hours. %

HIST 265 African-American History. Surveys the major events in Black history from 1619 to present. Topics include origins of slavery, Blacks in the American Revolution, Civil War and Reconstruction, Harlem Renaissance, Depression, and the modern Civil Rights movement. 3 semester hours. %

HIST 266 Vietnam at War. An intensive, holistic study of the United States' involvement in South East Asia. The course examines the war from the Vietnamese, French and American perspectives, taking into account Vietnamese culture and history, French colonialization, and Cold War ideology and strategy. The course also addresses the anti-war movement and the influence of the counter-culture on US policy. 3 semester hours. %

HIST 267 Diplomatic History of the United States. The evolution of American foreign policy, emphasizing the domestic and international background of the U.S. expansion from the American Revolution to America's rise as a great power. 3 semester hours. %

HIST 268 Colonial America to 1763. Course examines the early European settlement of North America and the economic, political and social consequences of colonization for Europe, Africa and the Native Americans. 3 semester hours. %



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HIST 270 Labor and the State, 1877-Present. Examines the growth of industrial America and the struggle of workers to organize. The course follows the labor movement in and its various constituencies, from the AFL-CIO to more radical groups such as the IWW, and their impact on American policy and culture. 3 semester hours. %

HIST 271 Modern Middle East. An intensive study of 19th and 20th century Middle-East including 3 semester hours. %

HIST 272 Early Islamic Middle East 500-1258. The first of a three course sequence studying the history of the Middle East. The course covers the pre-Islamic Middle East including the conflict between the Eastern Roman and Sasanian empires and focuses on the development of an Islamic civilization that spread throughout the Middle East, North Africa and into Spain under the rule of the two most important Islamic dynasties of this period, the Umayyads and the Abbasids. Relations with neighboring regions including Europe are highlighted including the crusades which began in the late eleventh century and continued in Syria/Palestine through the 13th century. Spring. 3 semester hours. %

HIST 273 Gun Powder Empires: Middle East 1200-1800. Introduction to the history of the Islamic world in the half-millennium before the rise of Europe following a chronological and thematic frame. Beginning with the Mongol invasions of the 13th century then the emergence of Turkish war bands of the 14th and 15th centuries while the era of bubonic plague (the 'Black Death') in the middle of the 14th century influences economic and social policies. The final chronological segment is the "imperial age" (from its zenith in the late 16th century to its passing the 18th). Spring term. Cross listed with HIST 373 3 semester hours. %

HIST 291 Topics. A study of various persons, events, trends, and institutions in European, American or non-Western History. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

HIST 295 Independent Study. Designed to encourage the superior student to study in-depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required.* '

HIST 303 Historiography. Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: Hist 111, Hist 112 3 semester hours. Writing Intensive

HIST 305 American Economic History. Analysis of the growth of the U.S. economy and the role of government, business and labor. 3 semester hours. %

HIST 306 Modern European Economic History. Analyzes the evolution of manufacturing, agriculture, demography and international trade of Europe since 1500. 3 semester hours. %

HIST 310 Africa to 16th Century. Surveys early African civilization and formation and development of major kingdoms. 3 semester hours. %

HIST 311 Modern Africa. Surveys the major historical and cultural developments in Africa from the 19th century to the present. 3 semester hours. %

HIST 312 Colonial Latin America, 1492-1821. Surveys the pre-colonial societies (Olmec, Toltec, Aztec, Maya, Inca) that shaped the Americas prior to the coming of the Europeans, the European conquest of the Americas, the establishment of colonial societies in the Americas, through the nineteenth century wars of independence and ending with the demise of the Spanish empire in the Americas, the Cuban-Spanish War (1895-1898). 3 semester hours. %



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HIST 313 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours. %

HIST 314 The African Diaspora in Latin America, 1492-1899. An interdisciplinary course that explores the African diaspora in Latin American from the conquest of the Americans by Europeans through the end of the century. Examines how Africans and their descendents in conflict and in concert with Native Americans, Europeans and Asians have created new cultures, religions and societies in the Americas. 3 semester hours. %

HIST 315 The African Diaspora in Latin America, 1899-2000. An interdisciplinary course that explores the experiences of people of African descent in Latin America focussing on the fight for independence of Latin American and the continuing struggle for economic and social equality in contemporary Latin America. Prerequisite: Social Science or History major 3 semester hours. %

HIST 320 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. 3 semester hours. %

HIST 323 Constitutional History of England. The growth and change of the English constitution from late Roman times to the present. 3 semester hours. %

HIST 342 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. Prerequisite: Social Science or History major 3 semester hours. %

HIST 343 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. Prerequisite: Social Science or History major 3 semester hours. %

HIST 351 The French Revolution in the Wider World. Examines the intellectual and political dimensions of the French Revolution as well as the intellectual and political ramifications of that revolution in the wider world. The course will focus on the French Revolution as a generative factor in the wars of independence in the Americas, the Haitian Revolution, the European revolutions of 1848 and the Paris Commune. Prerequisite: Social Science or History major 3 semester hours. %

HIST 353 20th Century Europe, 1900 - Present. Covers the political, military, economic, social, and cultural development of Europe, including the Soviet Union, from 1900 to the present. Prerequisite: Social Science or History major 3 semester hours. %

HIST 354 Modern Eastern Europe. Survey of the cultural and historical development of the peoples of Eastern Europe. Covers nationalism, independent states in the inter-war period. Communist control of Eastern Europe, collapse of communism, and the struggle for democracy. Prerequisite: Social Science or History major 3 semester hours. %



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HIST 355 Modern Russia. Surveys Russia in the 20th century, including the rise of the Communist Party, the 1917 revolution, Stalinism, de-Stalinization, Gorbachev, perestroika, and the break-up of the Soviet Union. Prerequisite: Social Science or History major 3 semester hours. %

HIST 357 20th Century Social and Political Movements in a Global Context. Explores the major social and political movements that have shaped the world in the twentieth century, such as the Mexican, Russian, Chinese and Cuban Revolutions, populist, revolutionary nationalist and liberation movements in Africa and Latin America as well as the contemporary civil rights and women's movements in the United States. 3 semester hours. %

HIST 360 Women in American Society. Examines women's roles in American life and the ways in which they have shaped society, culture and politics. Topics include the major experience of women from the colonial era to the present; gender ideology and the changing images of women; the diversity of race, class and religion. Prerequisite: Social Science or History major 3 semester hours. %

HIST 361 Revolutionary and Jeffersonian Eras: 1763 -1828. Analyzes the causes of the Revolution, origins of the Constitution and early development of the new nation. Prerequisite: Social Science or History major 3 semester hours. %

HIST 362 Antebellum America, 1824-1877. This course examines the economic, political and cultural changes in the United States, culminating in the Civil War. The primary focus of the course is slavery and the battle to dismantle the peculiar institution. Prerequisite: Social Science or History major 3 semester hours. %

HIST 363 20th Century America to World War II. Analyzes the impact of the later industrialization, reform movements, World War I, Depression and New Deal, World War II. Prerequisite: Social Science or History major 3 semester hours. %

HIST 364 America Since World War II. Discusses the impact of World War II, the Cold War, the affluent society, and contemporary society. Prerequisite: Social Science or History major 3 semester hours. %

HIST 367 Diplomatic History of the United States. The evolution of American foreign policy, emphasizing the domestic and international background of the U.S. expansion from the American Revolution to America's rise as a great power. Prerequisite: Social Science or History major 3 semester hours. %

HIST 368 Colonial America to 1789. Course examines the early European settlement of North America and the economic, political and social consequences of colonization for Europe, Africa and the Native Americans. Spring. 3 semester hours. %

HIST 370 Labor and the State, 1877-Present. Examines the growth of industrial America and the struggle of workers to organize. The course follows the labor movement in and its various constituencies, from the AFL-CIO to more radical groups such as the IWW, and their impact on American policy and culture. Prerequisite: Social Science or History major 3 semester hours. %

HIST 371 Modern Middle East. 3 semester hours. %



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HIST 372 Early Islamic Middle East 500-1258. The first of a three course sequence studying the history of the Middle East. The course covers the pre-Islamic Middle East including the conflict between the Eastern Roman and Sasanian empires and focuses on the development of an Islamic civilization that spread throughout the Middle East, North Africa and into Spain under the rule of the two most important Islamic dynasties of this period, the Umayyads and the Abbasids. Relations with neighboring regions including Europe are highlighted including the crusades which began in the late eleventh century and continued in Syria/Palestine through the 13th century. Spring. 3 semester hours. %

HIST 373 Gun Powder Empires: Middle East 1200-1800. Introduction to the history of the Islamic world in the half-millennium before the rise of Europe following a chronological and thematic frame. Beginning with the Mongol invasions of the 13th century then the emergence of Turkish war bands of the 14th and 15th centuries while the era of bubonic plague (the 'Black Death') in the middle of the 14th century influences economic and social policies. The final chronological segment is the "imperial age" (from its zenith in the late 16th century to its passing the 18th). Spring term. Cross listed with HIST 273 3 semester hours. %

HIST 391 Topics. Directed readings and research to be used in discussions pertaining to specific topics in European, American or non-Western history. Prerequisite: Social Science or History major, Junior or Senior standing 3 semester hours. %
Writing Intensive Consent Required. '

HIST 395 Independent Study. Designed to encourage the superior student to study in-depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of Instructor, Social Science or History major 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

HIST 397 Internship. Practical experiences in a related career field under the supervision of the History Department. Prerequisite: Department Consent, 3.00 GPA, Social Science or History major 3 semester hours. *Consent Required. '*

HIST 399 Senior Thesis. Senior capstone experience. Pre-requisite: GBLS 101 and GBLS 102 or senior standing. Spring. 3 semester hours. %

Honors (

HNRS 190 First-Year Colloquium I. Students develop communications, research, and leadership skills while reading great works of literature. Passing HNRS-190 meets the University's HUMN-101 and RHET-101 requirements. 3 semester hours. %
Consent Required. '

HNRS 191 First-Year Colloquium II. Students develop communications, research, and leadership skills while reading great works of literature. Passing HNRS-191 meets the University's RHET-102 and RHET-110 requirements. 3 semester hours. *Consent Required. '*

HNRS 195 Organizational and Group Dynamics. Presents leadership theory and helps students understand themselves as leaders. Topics include group dynamics, assertiveness, trust and risk-taking, problem solving, delegation, and motivation. 3 semester hours. *Consent Required. '*



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HNRS 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours. %

HNRS 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. %

HNRS 294 Creativity, Art & Culture. A critical examination of classic and contemporary works of art, generating theories concerning artistic creativity. Focus is on works of art and the culture from which art comes. Passing HNRS-294 meets the University's Fine Arts (FNAR) core elective requirement. 3 semester hours. Fine Arts/Music Core Elective *Consent Required.* '

HNRS 320 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" to "individual and society" in terms of social identity and the values of freedom, equality, and responsibility. Examines the construction of the modern era, focusing on scientific revolutions, economic transformations, religious reformations, and revolutions, resistance, and republicanism. 3 semester hours. %

HNRS 393 Global Interdependence. Upper-level study of political themes, with special attention to the 20th century. Passing HNRS-393 meets the University's Political Science / Anthropology (PLSC / ANTH) core elective requirement as well as the HUMN-250 Contemporary World requirement. 3 semester hours. Anthropology/Poli Sci Core Ele

HNRS 395 Independent Study. Students with interest in independent study of topics not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval based on academic appropriateness and availability of resources. Prerequisite: Approval of Scholars Program Director. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

HNRS 397 Internship. Practical experiences in a prospective career field under the supervision of the Scholars Program. Prerequisite: Approval of Scholars Program Director. 3 semester hours. *Consent Required.* '

Humanities (

HUMN 100 Critical Reasoning. Discussion sessions on gaining critical understanding of readings in the first-year seminar. Integrates critical thinking and study strategies in a meaningful context. Emphasis on: analyzing, synthesizing, and evaluating terminology, concepts and arguments. 1 semester hour. *Consent Required.* '

HUMN 210 Cultural Heritage Seminar. This seminar course is designed around the great books and texts of the Benedictine, Judeo-Christian and Abrahamic tradition(s). It can provide HUMN 220, HUMN 230 or HUMN 240 humanities credit for transfer students only. Pre-requisite: Must be a transfer student. 3 semester hours. %



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HUMN 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours. %

HUMN 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. %

HUMN 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours. %

HUMN 250 The Contemporary World. Drawing upon the resources of the Catholic and Benedictine traditions, this course examines a variety of interpretations of the current world situation in light of the theme "person in community." Have the notions of person and community changed, or are they being changed through current political, economic, cultural and technological challenges? Must have completed over 60 credit hours. 3 semester hours. Writing Intensive

HUMN 291 Topics in Humanities. Special topics offered by visiting lecturers and/or practitioners in the arts and humanities. Content will vary depending on the topic and instructor. 1-3 semester hours. %

HUMN 391 Topics in Humanities. Special topics offered by visiting lecturers and/or practitioners in the arts and humanities. Content will vary depending on the topic and instructor. 1-3 semester hours. %

International Business (

INTB 101 The Global Economy. This core course examines the concept of globalization from an international business and economic perspective. Special attention is paid to the political, legal, cultural and technological forces that affect and are affected by this phenomenon. 3 semester hours. Business/Economics Core Elect

INTB 220 Area Studies. Cultural, economic and business conditions of different world regions. Prerequisite: ECON 101, junior standing and consent of instructor. (Periodically) 3 semester hours. *Consent Required.* '

INTB 291 Topics. This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. (Periodically) 3 semester hours. *Course Repeatable.*
Maximum number of units allowed 99. '

INTB 292 Business Anthropology: Culture and International Business. Introduction to the impact of cultural variation on the functional areas of business with emphasis on globalization and the development of the world system. 3 semester hours. % Anthropology/Poli Sci Core Ele



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INTB 297 Internship. An internship with a company, not-for-profit organization, or government agency in an international business capacity. This may involve companies in the U.S. or abroad. Students that complete internships in the United States must arrange an internship that involves some aspects of international operations. Prerequisite: Permission of the department or of the instructor. 2-6 semester hours. *Consent Required.* '

INTB 300 Introduction to International Business. This course is designed to introduce students to the importance and role of international business. Predominant themes will be culture and business opportunities. Topics include international trade, balance of payments, multinational corporations and the functional areas of international business. (Fall) 3 semester hours. %

INTB 302 International Management. Study of the dynamics involved in international business management. Explores key issues such as political, legal and labor environments, strategic planning and organizational design. Emphasis is placed on the role of managers and others in successful international operations. (Spring) 3 semester hours. %

INTB 320 Area Studies. Cultural, economic and business conditions of different world regions. Periodically. Prerequisite: ECON 101, consent of instructor. 3 semester hours. Business/Economics Core Elect *Consent Required.* '

INTB 330 Global Human Resource Management. Analyzes effect of human resource practices on the global corporation's strategy and structure, and demonstrates the complexity of recruitment, selection, training, evaluation, compensation, and labor relations in global organizations. (Periodically) 3 semester hours. %

INTB 340 Global Logistics. This course introduces students to the changing and increasingly important role of logistics in the global business arena. Students will explore the areas of inventory planning and management, supply chain integration, transportation and distribution, and warehousing; logistics information systems architectures and implementation strategies; and logistics organization design alternatives. (Periodically.) 3 semester hours. %

INTB 350 International Marketing. Studies strategic issues in marketing products and services across national borders. Examines cultural, legal, ethical, and economic constraints. Prerequisite: INTB 300 or MKTG 300. 3 semester hours. %

INTB 351 Global Development Issues. A study of the meaning, measurement and historical context of economic development and the issues underlying the vast differences in development between nations of the world. Topics covered include population, agriculture, industry, trade and foreign debt. (Periodically) 3 semester hours. %

INTB 360 International Trade and Finance. Trade theory, trade barriers, Balance of payments, Exchange Rates, Open-Economy Macroeconomics. Prerequisite: ECON 101, ECON 310, and "C" or better in MATH 115 3 semester hours. %

INTB 370 Multinational Corporate Finance. Stresses the financial decision-making of a firm in an international setting. Covers international financial markets, exchange risk management, asset and liability management, and international banking. Pre-requisite: ECON 101, ECON 102, ACCT 111. Spring. 3 semester hours. %

INTB 371 International Negotiations. This course aims to introduce students to the theoretical basics of joint problem-solving negotiation, with a particular emphasis on cross-cultural negotiation. As the emphasis here is on learning by doing, students will be lead through a variety of simulations that represent a variety of negotiation settings. (Periodically). 3 semester hours. %



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INTB 375 Global Interdependence. Politics of international economics and economic determinants of international politics in a globally interdependent world. (Periodically) 3 semester hours. %

INTB 380 Global Strategic Management. This course, as the capstone to the International Business and Economics major, should come after students have studied all basic aspects of international business. The course focuses on multinational corporate strategies. Using a computer simulation and the case study method, students will apply the concepts of accounting, finance, marketing, and management to the development of an international strategic plan. Prerequisite: Senior standing and consent of instructor. 3 semester hours. Writing Intensive *Consent Required.* '

INTB 391 Topics. This course examines such topics as globalization, international trade and investment, offshoring of production, and the impact of international business on culture. (Periodically). 3 semester hours. *Course Repeatable.* *Maximum number of units allowed 99.* '

INTB 395 Independent Study. Directed readings, independent research, or student projects on areas of individual academic interest; topics, meeting times, and outcomes arranged with instructor. Prerequisite: Permission of the department or of the instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

INTB 397 Internship. An internship with a company, not-for-profit organization, or government agency in an international business capacity. This may involve companies in the U.S. or abroad. Students that complete internships in the United States must arrange an internship that involves some aspects of international operations. Prerequisite: Permission of the department or of the instructor. 2-6 semester hours. *Consent Required.* '

International Student Orientation (

IPO 100 International Student Orientation. This class will introduce international students to practical cultural differences that exist between the United States and many countries. Topics to be discussed include health care, university facilities and resources, income taxes and employment. Pre-requisites: enrollment as an international student. Cross listed with IPO 400 *Course Repeatable. Maximum number of units allowed 0.* '

Literature (

LITR 100 Introduction to Literary Analysis. Introduction to literary study and criticism. Focus on genres, techniques and development of literature. Emphasis on critical reading and writing. Introductory course for Literature majors; prerequisite for 300-level Literature courses. Spring. 3 semester hours. %

LITR 210 Literature and Film. Selected literary texts and their representation on film; analysis of the relationship between the two genres, and differences between written texts and visual media. Spring, odd years. 3 semester hours. Literature Core Elective

LITR 250 Medieval Literature. Study of literature from the medieval era of British history. Students will learn to read Old English and/or Middle English; texts to be studied may include work by Chaucer, the Gawain poet, Langland, medieval dramatists, and other major writers. Counts as pre-1800. Fall, odd years. 3 semester hours. Literature Core Elective

LITR 255 American Literature I. Survey of American literature from its Colonial roots, particularly the influence of the Puritans, to its flowering in New England. Counts as pre-1800. Fall. 3 semester hours. Literature Core Elective



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LITR 256 American Literature II. Survey of American literature since the Civil War. Emphasis on development of Realism and Naturalism in the nineteenth century, and modernism in the twentieth. Counts as post-1800. Spring. 3 semester hours. Literature Core Elective

LITR 257 British Literature I. Historical survey of representative British literary texts from the Anglo-Saxon period to 1800, with attention to modes of critical reading and development of important genres. Counts as pre-1800. Fall. IAI H3 912. 3 semester hours. Literature Core Elective

LITR 258 British Literature II. Historical survey of representative British and Anglophone literary texts from 1800 to the present, with attention to the larger cultural context and contemporary modes of literary analysis. Counts as post-1800. Spring. IAI H3 913. 3 semester hours. Literature Core Elective

LITR 259 World Literature. Comparative study of major works of the Ancient World, Middle Ages, Renaissance, Enlightenment, Romantic Age, periods of Realism and Naturalism, and Modern World. Fall, even years. IAI H3 907. 3 semester hours. Literature Core Elective

LITR 263 Literature of the Early Modern Period. Selected literary and cultural texts drawn from the late sixteenth to the eighteenth centuries. Places these texts in the context of emerging modernity. Counts as pre-1800. Spring, odd years. 3 semester hours. Literature Core Elective

LITR 264 Global/Postcolonial Literature and Theory. A comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. The course may include such topics as education and the colonial/postcolonial condition; intellectual culture and imperialism; the politics of tourism, identity and diaspora; travel, migration, and globalization; and trauma, genocide, and historical fiction. Counts as diversity elective for majors. Offered spring, odd years. 3 semester hours. Literature Core Elective

LITR 265 Shakespeare. Critical reading of representative comedies, tragedies, and histories. Emphasis on such issues as his dramatic art, critical response, and role in constructions of literary culture. Counts as pre-1800. Spring, even years. IAI H3 905. 3 semester hours. Literature Core Elective

LITR 266 Studies in the Novel. Critical study of selected novels, with emphasis on British and American writers and forms in English; theories of the novel as literary genre. Topics will vary. Spring, odd years. 3 semester hours. Writing Intensive

LITR 267 Studies in Poetry. Critical study of selected poetry, with attention to both formal and interpretive issues; theories of poetry as literary genre. Topics will vary. Spring, even years. IAI H3 903; EGL 915. 3 semester hours. Writing Intensive

LITR 268 Studies in Drama. Critical study of selected dramatic literature from a range of cultures and periods; theories of drama as literary genre. Topics will vary. Fall, odd years. IAI EGL 916. 3 semester hours. Writing Intensive

LITR 269 Introduction to Creative Writing. Writing workshop for students; introduction to various forms of modern fiction and poetry. Students will have the opportunity to create original poetry and fiction. Applicable as Fine Arts Core Elective. Fall, odd years. 3 semester hours. Fine Arts/Music Core Elective



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LITR 279 U. S. Multiethnic Literature. A comparative study of literature reflecting the diversity of American culture. In our exploration of just a sampling of the multiple voices of U. S. literature, we will consider these narratives within specific historical, cultural, rhetorical, and literary contexts. Counts as diversity elective for majors. Fall, even years. IAI H3 910D; EGL 918. 3 semester hours. Literature Core Elective

LITR 280 African-American Literature. Historical and critical exploration of African-American writers' contributions to American fiction, poetry, drama, and non-fiction, from the oral tradition to the present. May include an Afrocentric approach. Counts as diversity elective for majors. Spring, even years. 3 semester hours. Literature Core Elective

LITR 281 Gender and Literature. Introduction to gender studies as a mode of literary analysis, and to the role of literary texts in shaping gender constructions. Counts as diversity elective for majors. Fall, even years. IAI H3 911D. 3 semester hours. Literature Core Elective

LITR 291 Topics in Literature. Intermediate-level study of authors, themes, movements, and genres; attention to historical context. Sample topics: American Renaissance, Nineteenth-Century British Women Writers, Gothic, Science Fiction, Lyric. Periodically. 3 semester hours. Literature Core Elective *Course Repeatable. Maximum number of units allowed 99. '*

LITR 301 Advanced U.S. Literary and Cultural Studies. Explores critical questions, analytical categories, and common methodologies that structure the practice of U.S. literary and cultural studies. Students will work with primary literary texts as well as secondary sources and theoretical works. Students will also complete a research paper. Prerequisite: LITR 100. Offered fall, even years. 3 semester hours. %

LITR 305 Critical Theory. Survey and application of contemporary theories of literature and language. Covers the intersection of modern literary theory with philosophy, linguistics, psychology, anthropology, and other humanistic fields. Fall, odd years. Prerequisite: LITR 100. 3 semester hours. %

LITR 307 Modern English Language. Study of traditional, structuralist, and transformational theories of grammar and language, with attention to practical applications for language instruction. Includes introduction to contemporary linguistic theory. Fall, even years. Prerequisite: LITR 100. 3 semester hours. %

LITR 322 Reading , Writing and Thinking in the Middle and Secondary School Curriculum. Examines the relationship between reading, writing, oral communication and thinking and explores strategies for integrating these areas across the curriculum. Examines a variety of theoretical perspectives and instructional strategies involving simulation, role-playing, case studies, inquiry, problem-solving, critical thinking and environmental learning. Lesson and unit plan development emphasized. Spring. Pre-requisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. %

LITR 352 Young Adult and Multicultural Literature in the Middle and Secondary School Curriculum. Evaluation, selection and teaching of literature to serve the interests and reading needs of students from the middle-school through high school. The course includes literature which reflects the culture and heritage of America's multiethnic/multicultural population. The course emphasizes theory and research in reading comprehension, literary criticism, including reader response and curriculum and instruction. In addition, the course includes critical analysis, methods of teaching literature and the uses of literature in the curriculum. Periodically. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. %



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LITR 357 The Nineteenth Century. Advanced study of nineteenth-century fiction, poetry, and/or drama. Topics may include Victorian literature, the nineteenth-century novel, and Romanticism. Counts as post-1800. Spring, odd years. Prerequisite: LITR 100. 3 semester hours. %

LITR 362 Modern Literature. Examines the evolution of poetic and narrative forms since the late nineteenth century. Emphasis on major British and/or American poets and novelists; may also include translated works from other cultures. Counts as post-1800. Spring, even years. Prerequisite: LITR 100. 3 semester hours. %

LITR 364 Global/Postcolonial Literature and Theory. A comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. The course may include such topics as education and the colonial/postcolonial condition; intellectual culture and imperialism; the politics of tourism; identity and diaspora; travel, migration, and globalization; and trauma, genocide, and historical fiction. Counts as diversity elective for majors. Pre-requisite: LITR 100. Offered spring, odd years. 3 semester hours. Literature Core Elective

LITR 369 Creative Writing: Fiction. Advanced writing workshop with focus on writing and revision of fiction: includes group discussions and individual conferences. Students will produce a professional portfolio of fiction. Fall, even years. Prerequisite: LITR 269. 3 semester hours. %

LITR 370 Creative Writing: Poetry. Advanced writing workshop with focus on writing and revision of poetry: includes group discussions and individual conferences. Students will produce a professional portfolio of poetry. Spring, even years. Prerequisite: LITR 269. 3 semester hours. %

LITR 381 Theories of Gender in Literary Analysis. Advanced readings in literature and in selected gender-based modes of textual analysis, as well as theories of the relationship between gender and language. Counts as diversity elective for majors. Spring, odd years. Prerequisite: LITR 100. 3 semester hours. %

LITR 385 Major Authors and Genres. Detailed study of major writers and/or literary genres. Authors to be studied may include such figures as Jane Austen, Toni Morrison, Geoffrey Chaucer, or Zora Neale Hurston; genres to be studied may include the history of drama and the rise of the novel. Fall, odd years. 3 semester hours. %

LITR 391 Advanced Topics in Literature. Advanced study of authors, themes, movements, and genres; attention to historical context. Sample topics: Literature and the Environment, Women Writers of Color, Satire, focused study of major author. Periodically. Prerequisite: LITR 100. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

LITR 395 Independent Study. Students with interest in independent study of topics not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval based on academic appropriateness and availability of resources. Prerequisite: LITR 100 and junior or senior standing. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

LITR 399 Senior Seminar. Group workshop and individual instruction in literary research and critical writing, leading up to the completion of a major paper in a literary field of the student's choice. Fall. Prerequisite: Senior standing, LITR 100. 3 semester hours. %



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MGT 100 Introduction to Business Studies. This course is an introductory course for adult students pursuing an Associates Degree. Topics include program planning, group interaction, written and oral communication skills, research skills, personality inventory, and other items. 1 semester hour. %

MGT 120 "Going Green" in the Business World. How can workers on the job influence their employers to adopt green practices? What business tools can you use to take great ideas and make them into sustainable programs? This course shows what can work, depending on the type of business, using case examples. These tools include implementing the LEED program in new and existing buildings (i.e.: insulation, solar panels, lighting, recycling, composting, landscaping, etc.), transportation programs for employees (i.e.: car pooling, mass transit, bicycling, walk to work) and cap and trade markets for emission credits to reduce energy consumption. You will learn a variety of business frameworks and tools to influence business leader's decisions about environmental sustainability. As a result of this course, you will better understand how you can make a difference! Fall and Spring. 1 semester hour. %

MGT 150 Business Statistics I. Basic course in statistical technique; includes measures of central tendency, variability, probability theory, sampling, estimation, and hypothesis testing. IAI M1 902; BUS 901. Fall semesters. Prerequisite: Math 105 or Math 110 3 semester hours. %

MGT 207 Orientation to Adult Learning and Team Building. This course focuses on theories and principles of adult learning and provides an introduction to small group interaction. Prerequisite: Admission to the Adult Accelerated Cohort Program. 1 semester hour. %

MGT 210 Management. An overview of the fundamentals of management and leadership and their impact on the modern corporation. The course is a combination of theory and practical application, offering the student an opportunity to learn about the nature of management, leadership, and cultural diversity issues. Fall and Spring semester. Prerequisite: sophomore standing 3 semester hours. %

MGT 217 Group Behavior. This course provides an overview of organizational structures and group dynamics. Prerequisite: Admission to the Adult Accelerated Cohort Program. 3 semester hours. %

MGT 220 Entrepreneurship (Capstone). Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester hours. %

MGT 234 Organizational Planning & Analysis. Provides a basic understanding of key concepts and an ability to use basic analytical tools related to financial, economic and marketing planning. Topics include revenues, costs, supply and demand, pricing and the development of products and services to meet market needs. 3 semester hours. %

MGT 235 Business Law I. Introduction to the role of the legal system in our society with an emphasis on the law of contracts, sales, and agency. 3 semester hours. %

MGT 236 Business Law II. Introduction to the role of the legal system in our society with an emphasis on the law of commercial paper, partnership, and corporations. 3 semester hours. %

MGT 237 Business Communications. Theory and practice of communication within and between business organizations of all types. Focus on the training for and development of entry-level skills in communication and its related technology. 1-3 semester hours. Writing Intensive *Consent Required.* '



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MGT 247 Management and Leadership. This course deals with the fundamental principles and practices utilized in the business enterprise to plan, organize, implement and control the operation of the firm. It covers all aspects of management at the strategic and tactical levels. The course also reviews alternative models of leadership and their effects on the performance of employees and the organization. The focus here is on leadership strategies and skills for effective manager performance. Prerequisite: Admission to the Adult Accelerated Cohort Program. 3 semester hours. *Course Repeatable. Maximum number of units allowed 3.* '

MGT 251 Business Statistics II. Covers: Regression and correlation, analysis of variance, and nonparametric statistics. Spring semester. Prerequisite: MGT 150 3 semester hours. %

MGT 252 Business Ethics in the Context of Catholic Social Teaching. This course is designed to give the student knowledge of the range of ethical theories that currently govern behavior in business, why ethics are necessary to business and how ethics influence corporate success. Cross listed with THEO 252. Offered Fall and Spring. 3 semester hours. Religious Studies Core Elect

MGT 255 Readings in Organizational Research. Introduces methods of systematic investigation which are needed to provide continued development of the body of knowledge upon which the disciplines of management and organizational behavior are based. Focus is on an understanding of the research process in organizations, its value and its limitations. 3 semester hours. %

MGT 257 Data Development and Analysis. This course focuses on problem solving and skill development using statistical tools to solve problems in the management of organizations. Prerequisite: Admission to the Adult Accelerated Cohort Program. 3 semester hours. %

MGT 260 Fundamentals of Human Resource Management. This course will focus on: developing, contributing to, and supporting the organization's mission, vision, values, strategic goals, and objectives; formulating policies; guiding and leading the change process; and evaluating HR's contributions to organizational effectiveness. Offered yearly, rotating terms. 3 semester hours. %

MGT 262 Employee Recruitment Strategies. This course will focus on developing, implementing and evaluating sourcing, recruitment, hiring, orientation, succession planning, retention, and organizational exit programs necessary to ensure the workforce's ability to achieve the organization's goals and objectives. Offered each term, yearly. 3 semester hours. %

MGT 264 Employee Performance and Appraisal Management. This course will focus on developing, implementing and evaluating activities and programs that address employee training and development, performance appraisal, talent and performance management, and the unique needs of employees to ensure that the knowledge, skills, abilities, and performance of the workforce meet current and future organizational and individual needs. Offered: each term, yearly. 3 semester hours. %

MGT 266 Essentials of Compensation and Benefits. This course will focus on developing, selecting, implementing, administering, and evaluating compensation and benefits programs for all employee groups that support the organization's strategic goals, objectives, and values. Offered: each term, yearly. 3 semester hours. %



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MGT 268 Managing Workplace Relationships. This course will focus on analyzing, developing, implementing, administering and evaluating a broad range of workplace relationships. Functional areas include techniques for facilitating positive employee relations, positive employee relations strategies, and non-monetary rewards, motivation concepts and applications, and employee involvement strategies. (Fore example: employee management committees, self-directed work teams, and staff meetings). Offered: each term, yearly. 3 semester hours. %

MGT 270 Employment Law and Risk Management. This course will focus on developing, implementing, administering, and evaluating programs, plans, and policies which provide a safe and secure working environment and to protect the organization from liability. Additional focus will be placed on the workplace relationship between employer and employee in order to maintain relationships and working conditions that balance employer and employee needs and rights in support of the organization's strategic goals, objectives, and values. Offered: each term, yearly. 3 semester hours. %

MGT 275 Accounting for Organizations. This course surveys a broad range of financial and managerial accounting techniques used by managers as applied to business and organizational planning, reporting, and control. The financial accounting topics dealt with, from the perspective of the financial statement user, include the basic processes of the accounting information system, transaction analysis, the form and content of financial statements, and financial analysis tools. In the managerial accounting topics we explore the tools of management decision making, including variable costing, cost-volume-profit analysis, performance reporting, and capital budgeting. The emphasis is on understanding rather than on mathematical rigor. The focus is on the analysis and solution of problems that managers normally deal with. Prerequisite: Admission to the Adult Accelerated Cohort Program. 4 semester hours. %

MGT 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12. '*

MGT 300 Management. Fundamental principles and practices of the corporate enterprise are utilized to consider planning, organizing, implementing and controlling in management. Fall and Spring semesters. Prerequisite: Sophomore standing 3 semester hours. Writing Intensive

MGT 301 Entrepreneurship. Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester hours. %

MGT 302 International Management. Study of the dynamics involved in international business management. Explores key issues such as political, legal and labor environments, strategic planning and organizational design. Emphasis is placed on the role of managers and others in successful international operations. (Spring) 3 semester hours. %

MGT 303 Management Labor Relations. The course focuses on the evolution of employer-employee relations in union and non-union organizations. The emphasis is on union, governmental and workplace policies and practices, history, functions, forecasted changes relating to labor and management in both public and private sector. 3 semester hours. %

MGT 305 Introduction to Sports Culture in America. This course introduces students to the business side of sports in America. It provides an overview for the opportunities in the sports and leisure industry. The course emphasizes critical thinking skills. Topics covered include ethics, social concerns and the economic impact of sports and leisure upon America. 3 semester hours. %



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MGT 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours. %

MGT 323 Group Processes. Provides the basic theory necessary to understand the components of the group process. The course gives the opportunity to participate in functioning groups for decision making and to practice newly developed skills in class groups. 3 semester hours. %

MGT 330 Human Resource Management. Relationship of internal and external labor market concepts to organizational manpower planning. 3 semester hours. %

MGT 331 Labor and Industrial Relations. Analysis of the structure and behavior of labor and business enterprises and implications of this behavior for resource allocation and individual welfare. Prerequisite: ECON 101, ECON 202. 3 semester hours. Writing Intensive

MGT 333 Operations Management. A study of theory, principles and computational procedures as applied to such areas as strategic planning, forecasting, capacity planning, productivity and quality control. 3 semester hours. %

MGT 334 Training and Development. This course covers corporate training and development including assessment, training design, training evaluation, management and executive training. Pre-requisite: MGT 330. Offered fall term. 3 semester hours. %

MGT 335 Compensation and Performance Management. A study of the historical development of compensation theory and its applications to the design and implementation of benefit/reward structures in modern organizations. Pre-requisite: MGT 330. Offered Spring. 3 semester hours. %

MGT 347 Project Management. The art and science of project management as applied to a variety of business and technology settings. Discusses how to initiate, plan, execute and control, and close projects, within budget and on schedule. Includes management of project scope, time, cost, quality, human resources, communications, and risks. A project planning software tool is utilized, usually MS Project. Spring. Prerequisite: Junior or Senior Standing. 3 semester hours. %

MGT 370 Industrial Organization & Policy. Focuses on empirical studies in patterns of market structure, business behavior, and performance. Applications in the fields of antitrust and regulation are stressed. Prerequisite: ECON 202. 3 semester hours. %

MGT 380 Strategic Management. Management capstone course enabling business students to use the disciplines and techniques learned throughout their program of study. Case studies stress the importance of basing management decisions on a strategic view of organizations. Fall and Spring semesters. Prerequisite: senior standing, FINA 300, MGT 300 MKTG 300 3 semester hours. %

MGT 387 Administrative Policy. This is the management capstone course enabling students to integrate and use the disciplines and techniques learned throughout the program of study. Case studies are utilized to stress the importance of basing management decisions on a strategic view of organizations. The focus is on the role of management in the development of organizational strategy, on the practice of the decision-making process and in the development of an appropriate organizational structure. Prerequisite: Admission to the Adult Accelerated Cohort Program. 3 semester hours. %



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MGT 389 Senior Seminar. Capstone course for organizational leadership major. Focus on an analysis of the leadership role in complex organizations. Case-based approach will integrate previous knowledge and emphasize use of critical thinking. 3 semester hours. %

MGT 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

MGT 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

MGT 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.* '

Marketing (

MKTG 230 Fundamentals of Selling. This course provides a comprehensive approach to the fundamentals of selling, focusing on effective strategies throughout the sales cycle, including: identifying customer needs; developing relationships; product presentations and qualifying sales; and closing and servicing a sale. Students apply these concepts through preparation of sales proposals and presentations that sell. 3 semester hours. %

MKTG 232 Managing Sales Relationships for Productivity. The course is an introduction to aspects of professional sales relations that affect sales productivity. Participants are introduced to various patterns for analyzing the dynamics of the professional selling process and customer service which determine the dynamics of sales relationships. 3 semester hours. %

MKTG 234 Psychology of Sales. This course provides a practical approach to the key component of the sales effort - "the close." Emphasis is given to consumer objectives, demonstration strategies, and closing techniques. 3 semester hours. %

MKTG 236 Negotiating Skills in Business. This course focuses on the process and practice of effective negotiations in the sales and marketing environment. The impact of negotiating on management and other business practices is also addressed. 3 semester hours. %

MKTG 238 Sales Management. This course is designed to prepare prospective sales managers for the challenges they face in corporate sales settings. It deals with the critical impact management has on sales, as well as the effective team-building strategies and leadership skills needed for success in these key positions. 3 semester hours. %

MKTG 240 Business Ethics in Sales. This course deals with the ethical implications of management decision-making in society. It places emphasis on the ethical impact of contemporary social, political and economic issues. 3 semester hours. %

MKTG 291 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours. %

MKTG 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '



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MKTG 300 Marketing. An investigation of the basic principles of marketing, with an emphasis on the practical application of those principles to formulate marketing plans that will deliver value to customers and meet the goals of the organization. Fall and Spring semesters. Pre-requisite: Sophomore standing 3 semester hours. %

MKTG 305 Sports Marketing. A case study approach will be used to explore and analyze situations that pertain to sports marketing. Spring. Pre-Requisite: Mktg 300 3 semester hours. %

MKTG 310 Consumer Behavior. A study of consumers' needs, wants, and behavior in the marketplace as a basis for the formulation of marketing strategy. Spring semester. Prerequisite: Sophomore standing. 3 semester hours. Business/Economics Core Elect

MKTG 330 Promotional Strategy. An integrated marketing communications (IMC) approach to the study of the strategies organizations use to promote their products and services. The course goes beyond the traditional study of advertising, sales promotion, personal selling, direct marketing, and public relations to show how all four elements of the marketing mix--product, price, promotion, and distribution--must blend together to present a unified message to customers. Fall semester. Prerequisite: MKTG 300 3 semester hours. %

MKTG 331 Internet Marketing Communications. Internet marketing is reshaping the way businesses and consumers interact with each other. This course studies how the Internet as a communication channel can be valuable to marketing decision makers eager to understand and utilize Internet technology to grow their businesses. Examining the Internet and its evolution from a research tool to a marketing communications medium, this course shows how the Internet offers an array of one-to-one, real-time, personalized marketing communications. Through various exercises and projects, students will explore how the Internet affords decision makers the opportunity to customize their marketing approaches to meet individual customers' needs and to make the Internet an effective part of an overall Integrated Marketing Communications Strategy. Pre-requisite: MKTG 300 3 semester hours. %

MKTG 332 Web 2.0 Tools in Business. Consumers have embraced Web 2.0 technologies including, for example, social networking applications—Facebook, LinkedIn, Twitter; YouTube; wikis; blogs; tags; mashups; and virtual worlds. How are organizations using these applications? How might organizations use these applications? Specific topics will include an overview of Web 2.0 technologies, how these tools may be leveraged in an organization, how to align these tools with business goals, how to foster collaboration, and how to ensure security. 1 semester hour. %

MKTG 333 Personal Selling and Sales Management. This course examines the role personal selling plays in an organization's overall integrated marketing communications program. Students will explore how personal selling works with other elements of the promotional mix (advertising, publicity, sales promotion) to create a uniformed, integrated marketing message. In addition to gaining knowledge of traditional personal selling practices and techniques, students will learn how the Internet is increasingly factoring into an organization's personal selling strategy. Pre-requisite: MKTG 300 3 semester hours. %

MKTG 340 Marketing Management. This program provides an introduction to theory and practice of marketing from the analytical perspective of the marketing manager. Issues include consumer behavior, marketing research, environmental analysis, product development and pricing, and distribution systems as they apply to the development of a comprehensive marketing program. Both strategic and operation marketing issues are covered. Prerequisite: Admission to the Adult Accelerated Cohort Program. 3 semester hours. %



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MKTG 350 International Marketing. Studies strategic issues in marketing products and services across national borders. Examines cultural, legal, ethical, and economic constraints. Prerequisite: INTB 300 or MKTG 300. 3 semester hours. %

MKTG 351 Global Development Issues. A study of the meaning, measurement and historical context of economic development and the issues underlying the vast differences in development between nations of the world. Topics covered include population, agriculture, industry, trade and foreign debt. (Periodically) 3 semester hours. %

MKTG 360 Marketing Research. This course presents the principles of marketing research primarily from the perspective of the users of that research, with a focus on the practical and applied aspects of the subject. Emphasis will be placed on how marketing researchers apply the various concepts and techniques, as well as how business decision makers implement the findings to improve marketing practices. Topics covered will include research design, sampling techniques, questionnaire design, measurement and scaling, data collection and analysis, and report preparation. Fall semester. Prerequisite: MKTG 300, MGT 150, Junior standing 3 semester hours. %

MKTG 380 Marketing Strategy. A comprehensive study of major topics in strategic marketing, the components of a marketing plan, and financial analysis for marketing management. Case studies are used as the approach for utilizing marketing concepts and practices to analyze marketing problems in a wide variety of industry settings and to develop marketing strategies based on those analyses. Spring semester. Prerequisite: MKTG 300, Senior standing 3 semester hours. %

MKTG 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

MKTG 395 Independent Study. Provides an opportunity for an advanced student in the major to pursue study in a field of business related interest. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

MKTG 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.* '

Mathematics (

MATH 95 Intermediate Algebra. Topics include real numbers, linear equations, exponent, polynomials, rational expressions, radicals, and quadratic equations. Each semester. Prerequisite: Placement exam. 3 semester hours. %

MATH 104 Advanced Business Mathematics. (Adult AABA Program.) This course is designed to provide the student with a good understanding of proper problem-solving techniques; simplifying algebraic expressions; solving first-degree equations; the properties of lines, graphs and functions; modeling and analysis of functions; and solving finance problems. The TI-83 Plus graphing calculator is used throughout the course. 3 semester hours. %

MATH 105 Finite Mathematics. A survey of algebra, functions, graphs, and linear equations as applied to problems in economics and business. Topics include mathematics of finance, linear, polynomial, exponential, and logarithmic functions. Credit will not be granted for both MATH 105 or MATH 110. Each semester. Prerequisite: Placement exam or at least a "C" in MATH 095. 3 semester hours. Quantitative Reasoning



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MATH 108 Quantitative Reasoning. Develops conceptual understanding and computational skills in unit analysis, uses of percentages, and dealing with quantities and their magnitudes. Includes formulas of finance for simple interest, compound interest and loan payments; functions and their graphs; linear equations; exponential growth and decay; principles of counting; fundamentals of probability; and estimation and approximation techniques to judge the reasonableness of answers. Also includes representing and analyzing data using statistical tools such as histograms; measures of central tendency; variance and standard deviation; linear regression and scatter plots; normal distributions; and margin of error and confidence intervals. Each Semester. IAI M1 904. Prerequisite: Placement exam or at least a “C” in MATH 095. 3 semester hours. Quantitative Reasoning

MATH 110 College Algebra. Topics include equations, inequalities, functions, graphs, polynomial and rational functions, exponential & logarithmic functions, equations, and systems of equations and inequalities. Credit will not be granted for both MATH 105 and MATH 110. Each semester. Prerequisite: Placement exam or at least a “C” in MATH 095. 3 semester hours. % Quantitative Reasoning

MATH 111 College Trigonometry. General study of the trigonometric functions and their graphs, trig identities, and equations, inverse trig functions, applications of trigonometry, vectors, polar coordinates, and parametric equations. Each semester. IAI MTM 901. Prerequisite: Placement exam or at least a “C” in MATH 105 or MATH 110. 3 semester hours. 3 semester hours. %

MATH 112 Mathematics for Elementary Teachers I. This course explores the mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include mathematical thinking, problem solving, sets, representations of functions, numeration, standard and non-standard arithmetic algorithms, mental arithmetic and estimation, number theory, integers, fractions and rational numbers, decimals, and real numbers. Graphing calculators and manipulatives are used throughout the course. This course is required for elementary education majors. Fall. Prerequisite: MATH 095 or placement exam. Natural Sciences core elective. 4 semester hours. Quantitative Reasoning

MATH 115 Business Calculus. A survey of mathematical techniques used in the managerial, social and life sciences. Topics include systems of linear equations and matrices, linear programming, differential calculus, and applications of the derivative. Each semester. Prerequisite: At least a “C” in MATH 110 or MATH 105, or placement exam. 3 semester hours. % Natural Sciences Core Elective

MATH 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. %

MATH 170 Introduction to Calculus I. An introduction to limits and differentiation. Topics in algebra, functions, and trigonometry will be reviewed as necessary for calculus. Further study includes the chain rule, Newton's approximations, plane analytic geometry, and applications of velocity and marginal cost. The computer algebra system Maple will be employed. Fall. Prerequisite: Placement exam. . Co-requisite: Co-registration in MATH 171. 4 semester hours. Natural Sciences Core Elective

MATH 171 Introduction to Calculus I Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts in MATH 170. Fall. Prerequisite: Co-registration in MATH 170. 1 semester hour. Natural Sciences Core Elective



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MATH 200 Applications of Calculus I. A continuation of MATH-170. Topics include curve sketching, plane analytic geometry, maxima and minima, related rates, and other applications of the derivative. Study concludes with definite and indefinite integrals, numeric integration, elementary differential equations, parametric functions, and the Fundamental Theorems of Integral Calculus. The computer algebra system Maple will be employed. Credit will not be granted for both MATH-200 and MATH-210. Spring. Prerequisite: At least “C” in MATH-C170. 4 semester hours. %

MATH 207 Calculus with Analytics I Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts in MATH 210. Each semester. Prerequisite: Co-registration in MATH 210 or MATH 220. 1 semester hour. Natural Sciences Core Elective

MATH 208 Biocalculus II Lab. Selected computer explorations to illustrate and/or investigate the mathematical concepts and biological models in Math 221. Spring. Co-requisite: Co-registration in MATH 221. 1 semester hour. Natural Sciences Core Elective

MATH 210 Calculus with Analytics I. Topics include differentiation, and antidifferentiation of algebraic, trigonometric and transcendental function, the fundamental theorem of calculus, applied problems on maxima and minima, plane analytic geometry, and simple differential equations. The computer algebra system Maple will be used to illustrate calculus concepts. Credit will not be granted for both MATH 200 and MATH 210. Each semester. IAI M1 900-1; EGR 901; MTH 901. Prerequisite: Placement exam. Co-requisite: Co-registration in MATH-207. 4 semester hours. Natural Sciences Core Elective

MATH 211 Calculus with Analytics II. Topics include applications of the definite integral, methods of integration, sequences and series and numeric integration. The computer algebra system Maple will be used to illustrate calculus concepts. IAI M1 900-2; EGR 902; MTH 902. Each semester. Prerequisite: At least “C” in MATH 200, MATH 205, MATH 210 or MATH 220. 4 semester hours. Natural Sciences Core Elective

MATH 212 Calculus with Analytics III. Topics include solid analytic geometry and vectors, partial differentiation, multiple integrals and vector calculus. The computer algebra system Maple will be used to illustrate calculus concepts. Each semester. IAI M1 900-3; EGR 903; MTH 903. Prerequisite: At least “C” in MATH 206, MATH 211 or MATH 221. 4 semester hours. Natural Sciences Core Elective

MATH 220 Biocalculus I. This is the first course in a two-semester sequence in calculus with biological applications. There is a strong emphasis on biological models using real biological data. Topics include semi-log and log-log plots, sequences, basic difference equations, discrete time models, limits, continuity, differentiation and antidifferentiation of algebraic, trigonometric, and transcendental functions, applied problems on maxima and minima, equilibria and stability, basic differential equations, and the fundamental theorem of calculus. The course uses the computer algebra system Derive, Excel, and modeling software to explore calculus concepts and biological models. Fall. Prerequisite: Placement exam. Co-requisite: Co-registration in MATH 207. 4 semester hours. Natural Sciences Core Elective



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MATH 221 Biocalculus II. This is the second course in a two-semester sequence in calculus with biological applications. There is a strong emphasis on biological models and examples using real biological data. Topics include applications of the definite integral, methods of integration, differential equations, systems of linear equations, matrices, eigenvalues and eigenvectors, analytic geometry, functions of several variables, partial derivatives, differentiability, tangent planes and linearization, systems of difference equations, systems of linear and nonlinear differential equations, equilibria and stability, and an introduction to probability. Applications may include allometric growth, age-structured population matrix models, epidemic models, competition models, host-parasitoid models, and models for neuron activity. The course uses various computer software packages to explore calculus concepts and biological models. Spring. Prerequisites-MATH 200, MATH 205, MATH 210, or MATH 220. Co-requisite: Co-registration in MATH 208. 3 semester hours. %

MATH 222 Mathematics for Elementary Teachers II. This course is a continuation of MATH 112. This course explores additional mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include proportional reasoning, percents, basic concepts of geometry, two- and three-dimensional geometric figures, transformational geometry, coordinate geometry, symmetry, tessellations, similarity, and direct and indirect measurement. Graphing calculators, manipulatives, and dynamic geometry software are used throughout the course. This course is required for elementary education majors. Spring. MATH 112 and MATH 222 together satisfy IAI M1 903. Prerequisite: MATH 112. 4 semester hours. Natural Sciences Core Elective

MATH 240 Discrete Mathematics. Basic concepts of finite and discrete algebraic structures, with emphasis on applications in computer science. Sets, relations, and functions, boolean algebra, computer arithmetic, combinatorics, matrix algebra, directed and undirected graphs, and methods of proof. Each semester. IAI M1 905; CS 915. Prerequisite: MATH 115 or placement or credit in MATH 200 or MATH 210. 4 semester hours. %

MATH 260 Differential Equations. Includes an introduction to 1st and 2nd order ordinary differential equations with an emphasis on linear equations and techniques to solve them, applied problems in various fields, the Laplace transform, a brief introduction to chaos theory, systems of 1st order linear equations and power series solutions 2nd order linear ODEs. Spring. IAI EGR 904; MTH 912. Prerequisite: Credit or co-registration in MATH 212. 4 semester hours. Writing Intensive

MATH 280 Introduction to Proofs. An introduction to methods of formal mathematical proof, with emphasis on improving the student's ability to both read and write such proofs. Topics include logic, set theory, relations, functions, induction and cardinality. Course serves as a transition from beginning mathematics courses to the higher level courses. Periodically. Prerequisite: MATH-211 "C" or better. 3 semester hours. %

MATH 300 Linear Algebra. Topics include matrix algebra, theory of determinants, introduction to vector spaces, linear independence and span, and properties of linear transformations on finite dimensional vector spaces. Spring. IAI MTH 911. Pre-requisite: "C" of better in MATH 212. 3 semester hours. %

MATH 310 Modern Geometry. Euclidean and non-Euclidean geometries, geodesics, triangle congruence theorems, area and holonomy, parallelism, symmetry, and isometries. Spring, even years. Prerequisite: "C" or better in MATH 211. 3 semester hours. Writing Intensive



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MATH 312 Mathematics for Middle and Secondary Teachers.. Topics include analyses of alternate definitions, languages, and approaches to mathematical ideas; extensions and generalizations of familiar theorems; discussions of the history of mathematics and historical contexts in which concepts arose; applications of mathematics in various settings; analyses of common problems of high school mathematics from a deeper mathematical level; demonstrations of alternate ways of approaching problems, including ways with and without calculator and use of technology; connections between ideas that may have been studied separately in different courses; and relationships of ideas studied in school to ideas students may encounter in later study. Fall, odd years. Prerequisite: "C" or better in MATH 212 and MATH 240. 3 semester hours. %

MATH 331 Abstract Algebra I. Groups and elementary theory of groups: cyclic groups, permutation groups, homomorphism, isomorphism, cosets and Lagrange's theorem, factor groups, Homomorphism theorem, and an intro to other algebraic structures such as rings, domains and fields. Fall, odd years. Prerequisite: "C" or better in MATH 300. 3 semester hours. %

MATH 332 Abstract Algebra II. Rings: definition and properties, quotient rings and ideals, and homomorphisms of rings. Polynomial rings, integral domains, and fields. Sylow Theory and group actions, other algebraic structures including algebras, group rings, and vector spaces. Spring, even years. Prerequisite: "C" or better in MATH-331. 3 semester hours. %

MATH 341 Real Analysis I. Topological properties of Euclidean spaces, limits of sequences and functions and continuity and differentiability for functions of one variable. Fall, even years. Prerequisite: "C" or better in MATH 212. 3 semester hours. %

MATH 342 Real Analysis II. Integrability, sequences of functions and infinite series. Spring, odd years. Prerequisite: "C" or better in MATH 341. 3 semester hours. %

MATH 350 Complex Variables. Complex numbers and their geometric representation, analytic functions, elementary functions, transformations, complex integration, Taylor and Laurent series, and the calculus of residues, conformal mapping, and applications to hyperbolic geometry. Fall, odd years. Prerequisite: "C" or better in MATH 212. 3 semester hours. %

MATH 361 Fourier Analysis & Boundary Value Problems. Fourier series; Fourier Integral and Fourier Integral, Sturm-Liouville Theory; various techniques to solve partial differential equations; heat equation, wave equation and potential equation in Cartesian, polar, and cylindrical coordinates; and Bessel functions and their applications. Fall, even years. Prerequisite: "C" or better in MATH 260. 3 semester hours. %

MATH 365 Vector Analysis. Vector algebra; vector integration and differentiation; the del operator; the gradient, divergence and curl; line and surface integrals; the main integral theorems of vector analysis - Stokes' Thm., Green's Thm. and Divergence Thm.; tensor notation; and curvilinear coordinates. Periodically. Prerequisite: "C" or better in MATH-212. 3 semester hours. %

MATH 370 Theory of Interest. Topics include measurement of interest, various types of annuities, yield rates, amortization schedules, sinking funds, bonds and securities. Spring, odd years. Prerequisite: "C" or better in MATH 211. 3 semester hours. %

MATH 371 Probability and Statistics I. Discrete and continuous probability distributions, moments and mathematical expectation, moment generating functions, conditional probability and expectation, and multivariate distributions, and convolutions. Fall, even years. Prerequisite: "C" or better in MATH 211. 3 semester hours. %



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MATH 373 Probability and Statistics II. Sampling distributions, estimation, decision theory, tests of hypotheses, least squares and regression, and correlation and analysis of variance. Spring, odd years. Prerequisite: "C" or better in MATH 371 and credit or co-registration in MATH 212. 3 semester hours. Writing Intensive

MATH 380 Numerical Analysis. Numerical methods for isolating roots, solving systems of linear equations, interpolation, and evaluating derivatives and definite integrals. Periodically. Prerequisite: MATH 211 and programming experience. 3 semester hours. %

MATH 381 Numerical Analysis Practicum. A hands-on experience with issues in numerical analysis. Topics may include the application of parallel processing capabilities to numerical problems, extend accuracy computations, computational aspects of large physical problem modeling, or experimental relationships between accuracy and complexity in numerical computations. Periodically. Prerequisite: CMSC 350 or co-registration in CMSC 350. 1 semester hour. %

MATH 385 Introduction to Modern Cryptology. Cryptology concerns communicating in the presence of an adversary, with goals like preservation of privacy and integrity of communicated data. Topics include rigorous mathematical description of various symmetric (i.e., private key) and symmetric (i.e., public key) cryptographic methods including substitution ciphers, block ciphers, RSA, the discrete logarithm problem, and other applications, with emphasis on "provable security". Spring, even years. Pre-requisite "C" or better in MATH 212 or MATH 240. 3 semester hours. %

MATH 390 Selected Topics. Lectures on miscellaneous topics with which the student has not become acquainted in formal course work. May be an extension of, or a supplement to, material previously encountered, or material from a completely new area. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required.* '

MATH 395 Independent Study. Designed to encourage superior students to continue the study of mathematics beyond the scope of undergraduate course offerings, through guided independent study. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required.* '

MATH 397 Mathematical Research I. Original research in mathematics or mathematics education conducted under the supervision of a faculty member. Periodically. 1-3 semester hours. *Consent Required.* '

MATH 398 Mathematical Research II. Continuation of MATH 397. Periodically. 1-3 semester hours. *Consent Required.* '

MATH 399 Internship. Practical experience in mathematics or related career fields under the supervision of the Mathematics faculty. 3-6 semester hours. *Consent Required.* '

Medical Humanities (

MDHM 200 Introduction to Medical Humanities. Provides an introduction to the interdisciplinary fields of study that characterize the discipline, as well as to the Benedictine major program. Required for all Medical Humanities majors. 3 semester hours. %

Military Science (



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MSCI 101 Foundations of Officership. This course is an introduction to fundamental components of service as an officer in the United States Army. These initial lessons form the building blocks of progressive lessons in values, fitness, leadership, and officership. This course also addresses "life skills" including fitness, communications theory and practice (written and oral), interpersonal relationships, and the ethics of Christian service. Emphasis on "hands-on" learning also includes blocks of instruction map reading, orienteering, marksmanship, and rappelling as well as weekly leadership laboratories, one weekend field trip, and physical training. Upon completion of this semester, the cadets should be prepared to receive more complex leadership instruction. 2 semester hours. %

MSCI 102 Basic Leadership. Builds upon the fundamentals introduced in the previous semester by focusing on leadership theory and decision making. "Life skills" lessons in this semester include: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Upon completion of this semester, cadets should be prepared to advance to more complex leadership instruction concerning the dynamics of organizations. Additionally, they will be increasingly required to demonstrate knowledge of leadership fundamentals and communications (written and oral). Again, "hands-on" learning also includes blocks of instruction on map reading, orienteering, marksmanship, and rappelling as well as weekly leadership laboratories, one weekend field trip, and physical training. 2 semester hours. %

MSCI 123 Military Science Leadership Lab. Practical application of military skills taught in MSCI basic and advanced courses. Hands on training in basic soldiers skills, squad and platoon tactics, weapons, communications, and organizational leadership.

MSCI 201 Individual Leadership Studies. This course builds on the fundamentals introduced in the first year curriculum. Using practical exercise, cadets must increasingly apply communications and leadership skills to solve increasingly complex problems. The course concludes with a major leadership and problem solving case study which draws on virtually all of the classroom instruction received in the first three semesters of the Basic Course. The course also includes one weekend field trip, weekly leadership laboratories, and physical training. Upon completion of this semester, cadets should be well grounded in the fundamental principals of leadership, and be prepared to intensify the practical application of their studies during the Advanced Course. 2 semester hours. *Consent Required.* '

MSCI 202 Leadership and Teamwork. Basic Course capstone course focuses principally on officership, providing an extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed look at the origin of our institutional values and their practical application in decision making and leadership. Introduces fundamentals and principles of small unit tactics. Upon completion of this semester, cadets should possess a fundamental understanding of both leadership and officership, demonstrate the ability to apply this understanding in real world situations, and be excited about the aspect of shouldering the responsibility of a commissioned officer in the United States Army. Includes one weekend field trip, weekly leadership laboratories, and physical training. 2 semester hours. *Consent Required.* '

MSCI 225 Leader's Training Course (LTC). An alternative to the Basic Course above, LTC offers a possibility for students who have not considered ROTC until late in their sophomore year an opportunity for a scholarship and entry into the Advanced Course. The sole purpose for attending LTC is to qualify for the Advanced Course. Students contract prior to attending, and, therefore, must be American citizens to attend. LTC is a 28-day summer training course conducted at Fort Knox, Kentucky, designed to teach the fundamentals of soldiering and leadership and to enhance personal confidence using practical, hands-on exercises including: land navigation, rifle marksmanship, first aid, individual and unit tactics, obstacle courses, and rappelling. Military pay approximately \$750. (optional 4 hours credit incurs special tuition charge.) 4 semester hours. *Consent Required.* '



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MSCI 301 Leadership and Problem Solving. Focus of instruction is on leadership competencies using small unit operations as the primary mode of instruction. Cadets assume leadership positions within the Rolling Thunder Battalion, and actually apply the theory they have learned in the basic Course by planning and executing small unit training. The semester begins with instruction in the Leadership Development Process (LDP) used throughout the academic year and at NALC to assess and develop leadership. Cadets will focus on troop leading procedures, motivational theory, small unit training, operations orders, and risk assessment. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.* '

MSCI 302 Leadership and Ethics. A continuation of MSCI 331 emphasizing doctrinal leadership and tactical operations at the small unit level. It includes opportunities to plan and conduct individual and collective skill training for offensive operations to gain leadership and tactical experience. This critical semester synthesizes the various components of training, leadership and team building taught over the last three years, and prepares cadets for their summer experience at NALC. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.* '

MSCI 303 Leadership and Management. Focusing on leadership, management, and ethics, MSCI 401 begins the final transition from cadet to lieutenant. The course focuses cadets, early in the year, on attaining apprentice level knowledge and proficiency in several critical areas they will need to operate effectively as Army officers including coordinating activities with staffs, counseling theory and practice within the "Army Context," training management, and ethics. Cadets will continue to sharpen these skills as they perform their roles as cadet officers in the Rolling Thunder Battalion and after commissioning. At the end of this semester cadets should possess the fundamental skills, attributes, and abilities to operate as competent leaders in the cadet battalion and confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. % *Consent Required.* '

MSCI 304 Officership. A continuation of MSCI 303, MSCI 304 completes the transition from cadet to lieutenant. As a follow-on to the Ethics instruction in MS 303, the course starts with a foundation in the legal aspects of decision making and leadership. The next modules reinforce previous instruction on the organization of the Army, introduce how we organize for operations from the tactical to strategic level, and introduce administrative and logistical management issues that focus on the fundamentals of soldier and unit level support. The final module that introduces new information focuses on the often confusing process of changing duty stations and reporting to a new unit. Upon completion of this semester the cadets will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.* '

MSCI 335 National Advanced Leadership Camp (NALC). Approximately 3,500 cadets nationwide will attend NALC at Fort Lewis, Washington each year. An Advanced Course requirement, NALC provides an opportunity to live and work with other cadets from around the country for 35 days. NALC is a performance based environment in which cadets can exercise their leadership skills in a variety of field and garrison activities, and cadre can assess leadership potential. Military pay approximately \$1,100. Prerequisite: MSCI 302. (Optional four hours credit incurs special tuition charge.) 4 semester hours. % *Consent Required.* '

MSCI 343 American Military History. Taught at Wheaton College by the Professor of Military Science for a \$25 cross enrollment fee. Introduces cadets to American military history using principles of warfare, threads of continuity, battle analysis, and oral biographies. This course is required for commissioning. 2 semester hours. *Consent Required.* '



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MSCI 401 Leadership and Management. Focusing on leadership, management, and ethics, MSCI 401 begins the final transition from cadet to lieutenant. The course focuses cadets, early in the year, on attaining apprentice level knowledge and proficiency in several critical areas they will need to operate effectively as Army officers including coordinating activities with staffs, counseling theory and practice within the "Army Context," training management, and ethics. Cadets will continue to sharpen these skills as they perform their roles as cadet officers in the Rolling Thunder Battalion and after commissioning. At the end of this semester cadets should possess the fundamental skills, attributes, and abilities to operate as competent leaders in the cadet battalion and confidently communicate to subordinate cadets their preparedness to shoulder the responsibilities entrusted to them. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. % *Consent Required.* '

MSCI 402 Officership. A continuation of MSCI 303, MSCI 304 completes the transition from cadet to lieutenant. As a follow-on to the Ethics instruction in MS 303, the course starts with a foundation in the legal aspects of decision making and leadership. The next modules reinforce previous instruction on the organization of the Army, introduce how we organize for operations from the tactical to strategic level, and introduce administrative and logistical management issues that focus on the fundamentals of soldier and unit level support. The final module that introduces new information focuses on the often confusing process of changing duty stations and reporting to a new unit. Upon completion of this semester the cadets will be prepared to shoulder the responsibility of being a commissioned officer in the United States Army. Course includes weekly leadership lab, one weekend field trip, and physical training. 4 semester hours. *Consent Required.* '

MSCI 403 American Military History. Taught at Wheaton College by the Professor of Military Science for a \$25 cross enrollment fee. Introduces cadets to American military history using principles of warfare, threads of continuity, battle analysis, and oral biographies. This course is required for commissioning. 2 semester hours. *Consent Required.* '

MSCI 495 Independent Study. A self paced study at the advanced level focusing on Military Science. 1-4 semester hours. % *Course Repeatable. Maximum number of units allowed 4.* '

Music (

MUSI 100 Introduction to Music Theory, Composition and Performance. A survey course intended to develop the understanding of musical elements and form with the goal of preparing the student for the study of applied music. Basic skills in theory, composition, and performance will be taught. Awareness and understanding of how music as a subject relates to other arts and sciences will also be developed. 3 semester hours. Fine Arts/Music Core Elective 3 semester hours. Fine Arts/Music Core Elective

MUSI 101 Music Theory I. Reviews fundamentals of music theory. Examines basic theoretical elements in music including major and minor scales, chord progressions, and form as they apply to musical specific examples. Co-registration MUSI 112 and MUSI 194 required for music majors. Co-registration MUSI 112 required for music minors. Fall. 3 semester hours. 3 semester hours. Fine Arts/Music Core Elective *Consent Required.* '

MUSI 102 Music Theory II. Works with basic theoretical elements applying them to harmonization and simple modulations. Introduces simple forms including binary and ternary. Co-registration with MUSI 113 and MUSI 195 are required. Spring. 3 semester hours. %



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MUSI 104 Music Appreciation. This course explores the history of Western Classical Music by focusing on each of its eras. It also offers access to various ways to listen to music and how to take full advantage of concert attendance. Provides detailed explanations and sound demonstrations of the basic musical elements and performing media. Periodically. IAI F1 900. 3 semester hours. Fine Arts/Music Core Elective

MUSI 105 Music Appreciation: Medieval to Baroque. Eight week modular course - Student cannot receive credit for MUSI 105 or 106 if MUSI 104 has been completed. Fine Arts/Music Core Elective 2 semester hours. Fine Arts/Music Core Elective

MUSI 106 Music Appreciation: Classical to Contemporary. Eight week modular course - Student cannot receive credit for MUSI 105 or 106 if MUSI 104 has been completed. Fine Arts/Music Core Elective 2 semester hours. Fine Arts/Music Core Elective

MUSI 112 Aural Skills I. Begin training of musical skills relating to pitch and rhythmic recall and recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on course sequence or proficiency testing. Fall. Co-registration with MUSI 101 and MUSI 194. 1 semester hour. Fine Arts/Music Core Elective

MUSI 113 Aural Skills II. Second course in training of musical skills relating to pitch and rhythmic recall and recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on course sequence or proficiency testing.
 Prerequisite: MUSI 101/112 or proficiency. Co-registration with MUSI 102 required. 1 semester hour. %

MUSI 121 Concert Band. A performing ensemble dedicated to the study and performance of the wind band repertoire. Standard and new compositions will be performed in concerts each semester. May be repeated. IAI MUS 908. Prerequisite: By permission of instructor. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 99. '*

MUSI 122 Concert Choir. A performing ensemble utilizing practical work and study of choral literature of all periods of music in concerts each semester. May be repeated. IAI MUS 908.
 Prerequisite: By permission of instructor. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 99. '*

MUSI 125 Chamber Music Ensemble. Chamber Music Ensemble: Performing ensemble dedicated to the mastery of performance technique through intimate ensemble experiences. Heightened teamwork, communication, and music reading skills are stressed. A closer association with the audience is developed providing the music student, vocal or instrumental the ability to have and increased understanding of the impact their music making has on the community. Co-registration in 200 or 300 level applied music. 1 semester hour. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 99. '*

MUSI 126 Percussion Ensemble. A performing ensemble consisting of mixed percussion instruments. Performances each semester. May be repeated. IAI MUS 908. Prerequisite: Consent of instructor. *Consent Required. Course Repeatable. Maximum number of units allowed 1. '*

MUSI 128 Jazz Eagles. A small mixed ensemble, that performs standards of the jazz repertoire, improvisation, and ensemble skills. Prerequisite: Audition required. Concurrent registration in applied instruction with an emphasis in jazz techniques. Fine Arts/Music Core Elective *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*



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MUSI 129 Chamber Orchestra. Fine Arts/Music Core Elective

MUSI 130 Woodwind Methods. Study of the technical and artistic aspects of playing instruments in the woodwind family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours. %

MUSI 131 Brass and Percussion Methods. Study of the technical and artistic aspects of playing instruments in the Brass and Percussion families with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours. %

MUSI 132 String Methods. Study of the technical and artistic aspects of playing instruments in the string family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high, and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours. %

MUSI 133 Vocal Methods. Study of the technical and artistic aspects of playing instruments in the voice family with emphasis on the repertoire used in teaching applied lessons in the elementary, junior high and high schools levels. Students are required to perform basic pieces to show their competency in each of the instruments. 2 semester hours. %

MUSI 140 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 4.* '

MUSI 144 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 4.* '

MUSI 148 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 1 semester hour. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 4.* '

MUSI 190 Class Instruction in Voice. For the student who wants to learn to sing but has never studied voice or cannot read music. May be repeated. Periodically 2 semester hours. Fine Arts/Music Core Elective

MUSI 191 Class Instruction in Voice II. For the student who wants to continue to learn to sing but has never studied voice other than MUSI 190. 2 semester hours. %



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MUSI 194 Keyboard Skills. Class instruction in Piano: For the beginning piano student who prefers to learn in a group setting. Can be repeated. 2 semester hours. Fine Arts/Music Core Elective

MUSI 195 Class Instruction in Piano II. To be taken after the completion of MUSI 194. Prerequisite: MUSI 194 2 semester hours. %

MUSI 196 Class Instruction in Voice. Instruction in Voice: For the beginning vocal student who prefers to learn in a group setting 2 semester hours. %

MUSI 198 Class Instruction in Guitar. For the beginning guitar student who prefers to learn in a group setting. 2 semester hours. Fine Arts/Music Core Elective

MUSI 199 Class Instruction in Guitar II. For the beginning student who wants to continue to learn to play the acoustic guitar. Student must supply the instrument. Prerequisite: MUSI 198 2 semester hours. %

MUSI 201 Theory III. An advanced theory course designed to cover chordal structures, formal analyses, development of aural skills, inversions, non-diatonic harmony, and sight-singing. Fall. IAI MUS 903. Prerequisite: MUSI 102. Co-registration with MUSI 212 required. 3 semester hours. %

MUSI 202 Music Theory IV. A continuation of MUSI-201. with emphasis on twentieth century procedures and theoretical concepts. Spring. IAI MUS 904. Co-registration with MUSI 213 required. 3 semester hours. %

MUSI 204 Music Literature. The study and exploration of the Western Music composed during the Baroque, Classical, Romantic, and Contemporary periods. This music literature (i.e. musical scores) will be examined according to each significant genre, utilizing the composers from these periods as a frame of reference and discussion. Significant non-musical areas that influenced changes (such as religion, politics, technology, and historical events) will also be investigated. Emphasis will be placed upon developing listening skills, score analysis and the ability to generalize music listening activities to music not previously encountered from these periods. Periodically. IAI MUS 905. 3 semester hours. Fine Arts/Music Core Elective

MUSI 205 Music History I. Studies the origin and development of music from the ancient times through the Medieval, Renaissance, and Baroque periods. Special emphasis is placed on the crucial events, individuals, and genres that were developed and produced during this time. Analyzes and focuses on the cultural contributions and pedagogical implications of the significant epochs of this era. Fall. IAI F1 902. Prerequisite: MUSI 102. 3 semester hours. Fine Arts/Music Core Elective

MUSI 206 Music History II. Studies the origin and development of music from the Classical through the modern periods. Special emphasis is placed on the crucial events, individuals, and genres that were developed and produced during this time. Analyzes and focuses on the cultural contributions and pedagogical implications of the significant epochs of this era. IAI F1 902. Spring. Prerequisite: MUSI 102, MUSI 205. 3 semester hours. %

MUSI 207 World Music. An investigation of the diverse cultures as represented by their music. Native instruments, production strategies, and theoretical analyses provide the student with a foundation to better understand the role music plays both in these cultures as well as our own. The course focuses on non-western music. IAI F1 903N. Fall. 3 semester hours. % Fine Arts/Music Core Elective



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MUSI 208 Women in Music. This course examines the role of women in Western music which has historically been de-emphasized or even ignored until recently. The full extent of musical endeavors among women will be investigated along with some of the factors which accounted for the treatment many of these important composers and performers have received in the past. The primary focus will be directed toward Western art music, although contemporary and popular examples will also be presented. Spring. 3 semester hours. Fine Arts/Music Core Elective

MUSI 209 The Psalms. A historical study of the Psalms that examines their literary form-through music from the Biblical times to the present and exegeses. Their relevancy and prayerful application in our daily lives are examined. 3 semester hours. %

MUSI 210 Jazz History and Appreciation. Jazz is America's original art form that reflects the cultural diversity that gave rise to it. African, Caribbean, European and Brazilian influences upon jazz as well as the impact of jazz on other forms of music will be discussed. The class will focus upon its historical development from pre Civil War through the 20th century, reflecting upon both its sacred and secular manifestations. The basic elements of music that distinguish jazz from other musical genres will be explored. The course seeks to cultivate an appreciation of the major figures within jazz history (such as Armstrong, Parker, Ellington, Monk, Davis and Coltrane) and their stylistic innovations as well as their contributions to American culture. 2 semester hours. Fine Arts/Music Core Elective

MUSI 211 Rock History and Appreciation. This course explores the formative influences that gave rise to rock and pop music. It identifies its major figures, innovators and their contributions, as well the various styles that have developed in its history. The impact of social trends on rock music and the influence of rock music on society both are explored, as well as the role that technology has played in rock's evolution. Finally, other forms of music that have assimilated elements of rock music are identified and examined. 2 semester hours. Fine Arts/Music Core Elective

MUSI 212 Aural Skills III. Third course in training of musical skills relating to pitch and rhythmic recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on proficiency testing. Prerequisite: MUSI 101/112 and 102/113 or proficiency. Co-registration with MUSI 201 recommended. Fall 1 semester hour. %

MUSI 213 Aural Skill IV. Fourth course in training of musical skills relating to pitch and rhythmic recognition. Students will develop the ability to sing melodies in pitch and rhythm. Progression through Aural Skill courses dependent on proficiency testing. Spring. Prerequisites: MUSI 101/112, 102/113, and 201/212 or proficiency testing. Co-registration with MUSI 202 required. 1 semester hour. %

MUSI 217 Vocal Diction. An advanced course in the study of English, Italian, Latin, German and French diction. The proper formation of vowel sounds, rules to follow in singing situations, and the International Phonetic Alphabet will be emphasized. This course will require research skills and include practicum experiences. Fall even. Prerequisite: Co-registration with MUSI-348. Applied voice or consent of instructor. 3 semester hours. %

MUSI 240 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Fine Arts/Music Core Elective *Consent Required. Course Repeatable. Maximum number of units allowed 8.*



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MUSI 241 Sophomore Year Observation Experience. The student will visit a host school to observe rehearsals, classes, contribute to special projects as proposed by the host teacher, and ask pertinent questions to the host teacher relating to the teaching and management of a band or choir class. This is a 12-week program course designed to cover a wide range of educational experiences (Four week elementary school observation; Four week Junior high school observation; and a four week High school program observation). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 48 hours of Observation to be completed. 0 semester hours.

MUSI 242 Junior Year Observation Experience. The student will visit a host school to observe and teach short sections of rehearsals, classes, sectionals, write lessons plans to teach a music history or music theory class, teach exceptional children, and teach a culturally diverse classroom. The student will choose two age levels for observation (six weeks of Elementary level classes, six weeks of Junior high classes, and/or six weeks of High school classes). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 48 hours of Observation to be completed. 0 semester hours.

MUSI 244 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 8.* '

MUSI 248 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. IAI MUS 909. 2 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 8.* '

MUSI 250 Junior Recital. Preparation and presentation of a solo performance program. Weekly mentoring sessions until performance will include practice with the accompanist, discussion of proper performance etiquette and the preparation of program notes. Co-registration with Applied Music at the 200 level and consent of department. 1 semester hour. Fine Arts/Music Core Elective *Consent Required.* '

MUSI 291 Topics:. 1-3 semester hours. %

MUSI 303 Technology for Music Teachers. This course surveys the standard music technology software and hardware used in music education today. Emphasis will be given to the areas of pedagogy, composition, music theory, and performance. 3 semester hours. %

MUSI 309 Music Pedagogy. An advanced course focusing on the development of music teaching skills. Particular emphasis will be made in accordance to the needs of the students enrolled. Students will learn the principles, techniques and materials necessary for applied music instruction in studio and classroom settings. Current trends and teaching strategies for diverse student abilities and need are examined. Methods for teaching basic skills in music reading, listening and arranging will be presented in the course. Fall, even years. Prerequisite: 300 level applied instruction. 3 semester hours. %



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MUSI 313 Music Pedagogy. An advanced course focusing on the development of music teaching skills. Particular emphasis will be made in accordance to the needs of the students enrolled. Students will learn the principles, techniques and materials necessary for applied music instruction in studio and classroom settings. Current trends and teaching strategies for diverse student abilities and need are examined. Methods for teaching basic skills in music reading, listening and arranging will be presented in the course. Fall, even years. Prerequisite: 300 level applied instruction. 3 semester hours. %

MUSI 323 Music Practicum. This course is designed to give students supervised practical application of previously studied music theory in music and experienced through applied music and ensembles. The areas of music arranging, conducting, and orchestration will be studied with special attention to their practical use in the current music business environment. The use of music technology to prepare assignments will also be a component of the course. Junior Standing. Spring, odd years. 3 semester hours. %

MUSI 340 Applied Instrumental: Non-Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Fine Arts/Music Core Elective *Consent Required. Course Repeatable. Maximum number of units allowed 8.* '

MUSI 342 Senior Year Observation Experience. The student will visit a host school to observe and teach extended sections of rehearsals, classes, sectionals, write lessons plans to teach a music history or music theory class, teach exceptional children, and teach a culturally diverse classroom. The student will choose two age levels for observation (six weeks of Elementary level classes, six weeks of Junior high classes, and/or six weeks of High school classes). The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 100 hours of observation to be completed. 3 semester hours. %

MUSI 344 Applied Keyboard. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 8.* '

MUSI 348 Applied Voice. All individual applied instruction classes must be taken in sequence. Students enrolled in these classes are required to pay a special applied fee. Non-music majors enroll in 100-level applied instruction. Advancement into 200- and 300-level applied instruction occurs through placement and proficiency testing. Music majors will enter at the 200-level applied instruction. Advancement into the 300-level will occur through placement and proficiency testing. 2 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 8.* '

MUSI 350 Senior Recital. Preparation and presentation of a full solo performance program. Weekly mentoring sessions until performance will include practice with the accompanist, discussion of proper performance etiquette and the preparation of program notes. Pre-requisite: MUSI 250. Co-registration with Applied Music at the 300 level and consent of department. 2 semester hours. Fine Arts/Music Core Elective *Consent Required.* '

MUSI 351 Principles and Procedures in Music Education. This course surveys contemporary music education learning and pedagogical theories. Principles and practices of curriculum design applied to the development of the music curriculum. Individual or group work on elementary and secondary school music curriculum projects. 3 semester hours. %



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MUSI 352 Instrumental and Choral Conducting. Overview of choral conducting patterns. Score, voice and instrumental warm-up, and intonation. Tempo fluctuation, left hand, diction, discipline. Designed for music and music education majors. 3 semester hours. %

MUSI 353 Instrumental and Choral Ensemble Literature. An advanced course focusing on the literature of choral and instrumental ensembles. Particular emphasis will be given to the ensemble literature needs of the student learners at the Elementary, Junior High, and High School Levels. Students enrolled in this course will learn the principles, techniques, and materials necessary for teaching the choral and instrument ensemble literature. Current trends and teaching strategies for diverse student abilities and needs are examined. Methods for teaching basic skills in music reading, listening, and arranging will be presented in the course. Prerequisite: MUSI 202 3 semester hours. %

MUSI 354 Teaching K-12 Classroom. The study of concepts and processes specific to and necessary for effective instruction in K-12 music education. Students explore various elementary and secondary music methods in both a classroom setting and in workshops by specialists in the field. 3 semester hours. %

MUSI 360 Senior Seminar: Professional Portfolio. The students will analyze the job markets and prepare analyses of current issues in the performing arts. Analyses of demographics affecting the operations and organization of art programs in the United States will be studied. Students will be required to create a portfolio of personal data to prepare for job searches, prepare for mock interviews and present exhibition of works. Spring. Prerequisite: Junior Standing 3 semester hours. Writing Intensive

MUSI 391 Topics. Special course focusing on various topics relating to the needs of the students and recent events and/or topics of interest. Topics to include areas of music literature, history, theory and pedagogy. Periodically. 1-3 semester hours. %

MUSI 395 Independent Study. A course in which the student, under the supervision of the teacher, may study any one of the current music courses in an individual and independent manner. Prerequisite: Consent of instructor. 1-3 semester hours. %
Consent Required. Course Repeatable. Maximum number of units allowed 3. '

MUSI 397 Internship. A practical course intended to give those students who are qualified, an opportunity to do observing - either in a classroom or privately - or to perform any practical job associated with his or her field under the supervision of the faculty. Each semester. Prerequisite: Department Consent 3 semester hours. %

MUSI 398 Student Teaching. The student will choose a school to student teach for a 16 week period. Students are expected to be ready to teach and prepare lesson plans, rehearse and teach sectionals, teach applied lessons, assist the host band or choir director in daily classroom tasks, teach a class using a lesson plan and give a test, conduct the band or choir during a concert. The students will record their experiences in a journal for revision and assessment by a Benedictine University teacher. 12 semester hours. *Consent Required. '*

Natural Sciences (



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NTSC 107 Earth and Space Science. A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. IAI P1 909. Spring. 4 semester hours. Physical Science Core Elect

NTSC 111 Contemporary Biology. This course includes the study of key principles of the Biological Sciences through the investigation of real world problems. Topics include molecular and cellular biology, genetics, evolution, ecology, organismal biology, and diversity. By including the science and technology history of the real world problems, students will learn how scientific principles are used and applied in everyday life; and understand how advancements in these principles influence "problem solving" paradigms in science and technology. The course will facilitate the students' understanding of the scientific method by utilizing "hands-on science", inquiry based, and field based laboratory experiments. Prerequisite: MATH 110 or equivalent. Fall. 3 semester hours. Natural Sciences Core Elective

NTSC 112 Contemporary Physical Science. A physical science laboratory course that includes the study of key principles of physics through the investigation of a real world problem (or problems). Topics include displacement, velocity, acceleration, force, momentum, work, energy, electricity, thermodynamics, optics, and modern physics. By working and studying within the context of the "real world" problem, students learn how scientific principles are used and applied in everyday life. They also come to understand how advancements in these principles influence "problem solving" paradigms in science and technology. The course facilitates the students' understanding of the Scientific Method by utilizing "hands-on science" and "inquiry based" laboratory experiments. Spring, odd years. Prerequisite: MATH 110 or equivalent 3 semester hours. Physical Science Core Elect

NTSC 151 Natural Science Interdisciplinary Laboratory I. An integrated laboratory course intended to teach the philosophy and practice of experimental aspects of science. Students will learn skills related to laboratory safety, ethics, data acquisition and analysis, experimental design and the scientific method. Methods and instrumentation of laboratory investigation that are common to the disciplines of biology and chemistry will provide the focus for student development of a standard set of laboratory skills and techniques. The rationale behind experimental protocols and principles of up-to-date methodology and laboratory techniques are discussed in lectures and practiced in the laboratory. Fall. Prerequisites: Credit or co-registration in Math 210 or higher and credit or co-registration in Biol 197 or Biol 198 and/or Chem 113. NOTE: Satisfactory completion of NTSC 151 and NTSC 152 (three credit hours) is equivalent to, and may be substituted for BIOL 199 (one credit hour), CHEM 114 (one credit hour), and CHEM 124 (one credit hour). Fall. 1.5 semester hours. Life Science Core Elective

NTSC 152 Natural Science Interdisciplinary Laboratory II. This course is a continuation of NTSC-C151 and the study and practice of methods and instrumentation of laboratory investigation that are common to the disciplines of biology and chemistry. Both courses will provide the focus for student development of a standard set of laboratory skills and techniques that will be used in upper level courses. Prerequisites: Credit or co-registration in MATH-210 or higher and credit or co-registration in BIOL 197 or BIOL 198 and/or CHEM 113. Spring. NOTE: Satisfactory completion of NTSC 151 and NTSC 152 (three credit hours) is equivalent to, and may be substituted for BIOL 199 (one credit hour), CHEM 114 (one credit hour), and CHEM 124 (one credit hour). Spring. 1.5 semester hours. Life Science Core Elective

NTSC 200 Natural Science Teaching.



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NTSC 210 Science and the Humanities. An integrative course of the sciences and humanities based on how different disciplines form the foundation on which the process of scientific investigation rests. Satisfies the HUMN-SCI core for the BA in Biology. Sophomore Standing. Periodically. 3 semester hours. Life Science Core Elective

Nuclear Medicine Tech (

NMTC 304 Nuclear Science. Origins and nature of nuclear and atomic radiation, interaction of radiation with matter, radiation detectors, detection systems, and radiation safety. Lecture and laboratory. Intended for any qualified sciences student. Periodically. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required.* '

NMTC 331 Management and Methods of Patient Care. Skills in problem-solving, critical-thinking, and decision-making are developed as well as oral and written communication skills. Career skills are enhanced through the interview process, resume writing, and administrative duties including; budgeting, medical and legal considerations and political issues affecting health care. Special emphasis is placed on participation in a quality control program and scheduling guidelines. Focus on basic measures necessary to provide quality patient care. Basic principles of record keeping and maintaining confidentiality of information are explained. Prerequisite: Consent of instructor. 2 semester hours. %

NMTC 332 Radiation Safety & Protection. Supervised practice and procedures for the receipt, handling, transporting, storage, usage, record keeping, disposal and decontamination of radioactive materials. Emphasis on licensing and regulations set forth by local, state, and federal agencies. Academic and clinical instruction to provide the student with radiation safety techniques to minimize exposure to themselves, the patient, public, fellow workers and themselves. Regulations regarding therapeutic dosages and follow-up procedures. 3 semester hours. %

NMTC 333 Nuclear Physics & Instrumentation. Theory and physical principles associated with atomic structure, nucleus and quantum physics related to radioactive decay. Properties of the elements and the production of characteristic x and gamma rays, alpha electrons and Bremsstrahlung. Instruction on the modes of decay, radiation dosimetry, and interaction of ionizing with matter. Basic physics, instrumentation, and radiochemistry of Positron Emission Tomography (PET). 3 semester hours. %

NMTC 334 Diagnostic Nuclear Imaging Practicum I & II. Supervised clinical education that gives the student the opportunity to perform a variety of patient procedures on both SPECT and PET imaging systems for all diagnostic, therapeutic, non-imaging in-vivo and in-vitro procedures. Clinical competencies developed in patient care, positioning techniques, analyzing images, and the selection of imaging parameters and collimators. Knowledge of integrated computer systems designed for use with clinical gamma cameras, Single Photon Emission Computed Tomography (SPECT) and Positron Emission Tomography (PET) images. The clinical practicum is designed to promote independent critical thinking, balanced responsibility, organization and accountability in the student. Students will demonstrate competence in all procedures presented. 9 semester hours. %

NMTC 335 Clinical Nuclear Imaging Procedures. Emphasis on theory and techniques of clinical procedures used in nuclear medicine imaging. Areas emphasized include patient care, developing acquisition parameters, imaging techniques, radionuclide identification, energies, half-lives, and principles of radionuclides in imaging and non-imaging procedures. Students will continue to develop an increased degree of competence in their performance of the skills related to critical thinking and problem solving. 3 semester hours. %



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NMTC 336 Radionuclide Chemistry and Radiopharmacy. The chemical, physical and biological properties of radiopharmaceuticals used in diagnosis and therapy. Emphasis is given to the preparation, calculation, identification, administration, and disposal of radiopharmaceuticals. Performance of all radionuclide quality control and quality assurance procedures. Principles of decay and half-life, tissue localization, chemical impurities, generator systems, dose preparation and techniques of good laboratory practices. 3 semester hours. %

NMTC 337 Radiation Biology. Knowledge of cell structure and function as a basis for understanding cellular and organ responses to the effects of ionizing radiation, radionuclides and radiation oncology. Understanding units of exposure, organ dose calculation and body distribution. 2 semester hours. %

NMTC 338 Computer Applications. Knowledge of the operations and maintenance of computer hardware and software. Emphasis on data collection, analysis and processing used in clinical imaging. Application of computer devices and memory usage. Emphasis on SPECT and PET quality control procedures. 3 semester hours. %

NMTC 339 Clinical Correlation. Focus on the study of the structure and function of human cells, tissues, organs and systems. Clinical interpretation of organ systems with emphasis on immunology, and anatomy and physiology, which will provide a basis for understanding abnormal or pathological conditions as applied to nuclear medicine. Causes, symptoms, and treatments of disease are discussed as well as its effect on the images. In addition, the student is scheduled to observe the interpretation of images with the physician staff. 3 semester hours. %

NMTC 340 Radiation Detection & Instrumentation. Evaluation, maintenance and function of instrumentation used in imaging and in the laboratory. Principles and theory of PET and scintillation camera operation and performance. Radiation measurement, event counting activity, pulse height spectra, detection efficiency, resolving time and statistics. Flood field and bar phantom use for assessing camera uniformity, relative sensitivity, spatial linearity and resolution testing. Quality assurance procedures for the PET scanner include radial, tangential and axial resolution, sensitivity, linearity, uniformity, attenuation accuracy, scatter determination and dead time corrections. 2 semester hours. %

NMTC 341 Technical Mathematics. Practical mathematics in nuclear medicine including, radiation unit conversion, dose calculation, determination of specific activity, decay and half-life calculation, counting efficiency and statistics. 1 semester hour. %

Nursing and Health (

NRHL 200 Nursing Transitions. Introduces the philosophy and concepts of baccalaureate nursing. Emphasis is placed on the nursing process and supporting theories. 3 semester hours. %

NRHL 213 Health Aspects of Aging. Studies the normal aging process in American society. Emphasizes health maintenance in normal aging, and availability of, and access to, health resources. 3 semester hours. Life Science Core Elective

NRHL 250 Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For nursing majors. 3 semester hours. %

NRHL 290 Health Assessment. Presents the theory and process of health assessment. Focuses on history, physical examination, screening tests, and resultant nursing diagnoses. Clinical Lab provides for application of skills. 3 semester hours. %



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NRHL 295 Research. Explores the research process as it applies to nursing and health care. Emphasis is placed on analysis and critique of research studies. 3 semester hours. %

NRHL 300 Transforming Care. Uses a caring framework and emphasizes non-traditional approaches appropriate to the care of clients with acute or chronic complex health problems 3 semester hours. %

NRHL 301 Family Health Nursing. Provides students with a foundation in the concepts/theories of family health care nursing. Selected clinical experiences emphasize application of family nursing principles. 4 semester hours. Writing Intensive

NRHL 311 Community Health Nursing. Explores the physical, social, economic and environmental factors which affect the health of a community. Selected field experiences emphasize applying nursing process to population groups and communities. 3 semester hours. %

NRHL 320 Health Systems. Overview of the history, basic structures and operations of public health and health care delivery systems. Cross listed with MPH 602 (Health Systems). 3 semester hours. %

NRHL 378 Management. Introduces the functions and principles of management. Emphasis is on current issues impacting leadership and management within nursing practice. 3 semester hours. %

NRHL 395 Nursing Elective. Guides independent study in theoretical or clinical aspects of nursing. 1-4 semester hours. %

Nutrition (

NUTR 100 Impact of Nutrition. For non-majors. An introduction to nutrients; cultural, socioeconomic, and other influences on nutrition intake; impact of nutrition on health status; and issues of hunger and malnutrition. Each Semester. IAI L1 904. 3 semester hours. Life Science Core Elective

NUTR 110 Environmental Nutrition. For non-majors. An introduction to nutrients and sources, digestive and metabolic processes, and the health impact of nutrient deficiencies and excesses. Discussion incorporates the relationships between food, nutrition, health, culture, and the environment. Environmental issues include world food supply and choices, food access and security, agriculture and production, and food safety. Requires a travel/study abroad component. Periodically. (Cannot receive credit for Nutr 100 and Nutr 110). 3 semester hours. %

NUTR 145 Food Science. A study of the physical and chemical composition, structure, and functional properties of carbohydrates, proteins, and fats; sensory evaluation principles; and applications to food and nutritional health. Pre-requisite: a chemistry course; co-registration in NUTR 245. Fall. 3 semester hours. %

NUTR 150 Food Service Sanitation. An overview of applied Food Service Sanitation as it relates to proper food handling and training in the food service industry. Emphasis placed on prevention of food borne illness. At the completion of the course, students will take the Illinois Certification exam from the Educational Foundation of the National Restaurant Association. Spring. 1 semester hour. %

NUTR 190 Selected Topics in Nutrition. Special topics in nutrition adjusted to the needs of students. Periodically. Topics may be changed so that the course may be repeated for credit. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '



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NUTR 200 Nutritional Science. An integrated approach to the study of the requirements and functions of nutrients that are determinants of health and disease in human populations. (Note: Cannot receive credit for NUTR C100, NUTR C110 and C200). Each Semester. 3 semester hours. Life Science Core Elective

NUTR 241 Nutrition through the Life Cycle. A life cycle approach to nutrition science; incorporates nutrient availability, function and sources; energy balance; health risk factors; and special nutrient needs for various stages of the life cycle. Each semester. 3 semester hours. Life Science Core Elective

NUTR 244 Food Science. A study of the physical and chemical composition, structure, and functional properties of carbohydrates, proteins, and fats; sensory evaluation principles; and applications to food and nutritional health. Pre-requisite: a chemistry course; co-registration in NUTR 245. Fall. 3 semester hours. %

NUTR 245 Food Science Laboratory. Applied sensory and physiochemical examination of study of the composition, structure, and functional properties of carbohydrates, proteins, and fats. Pre-requisite (transfer course) or co-registration in NUTR 244. Fall. 1 semester hour. %

NUTR 246 Experimental Foods Laboratory. Experimental application of physiochemical behavior of food. Includes recipe development/research. Spring. Prerequisite: NUTR 244 and 245. Each semester. 1 semester hour. %

NUTR 250 Foodservice Operations. This course presents the following food service principles: menu planning, purchasing, and procurement, production, distribution and service, quality improvement, and layout and design. Pre-Requisite: NUTR 241 or 244. Fall. 3 semester hours. %

NUTR 271 Nutrition Education. Nutrition education for groups and individuals in clinical and community settings. Learning and health behavior change theories. Applied concepts of needs assessment, goals and objectives, selection of learning activities and materials, development of educational plans, and evaluation procedures. Fall. Prerequisite: NUTR 200 or 241. 3 semester hours. %

NUTR 280 Community Nutrition. Identification of current public health nutrition problems; influence of socioeconomic, cultural and psychological factors on food and nutrition behavior; available community programs; program development and marketing; and the implications of public policy legislation. Spring. Prerequisite: NUTR 200 OR 241. 3 semester hours. %

NUTR 290 Selected Topics in Nutrition:. Special topics adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. Periodically. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

NUTR 295 Nutrition Teaching. Supervised teaching of nutrition in laboratories. Each semester. Prerequisite: Nutrition majors only and consent of instructor. May be repeated for credit. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

NUTR 296 Nutrition Services in the Community Practicum. Experience designed to meet interest of an individual student and serve a community need. Off-campus site. Transportation is required. Summer. Prerequisite: Consent of Instructor and Nutrition majors only. May be repeated for credit. Fee: \$27.50 1-3 semester hours. % *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '



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NUTR 297 Quantity Foods Practicum. Supervised experience in foodservice operations and management, with emphasis on areas related to menu planning, food purchasing, cost control, and production, quality improvement, and applied sanitation and safety. May be at off-campus sites. Transportation may be required. Summer. Prerequisite: NUTR 250, 3.0 G.P.A., consent of Instructor, and nutrition majors only. 2-3 semester hours. *Consent Required.* '

NUTR 298 Cultural Foods. An overview of the food habits of world cultures, including discussion of ways in which food, food production, food consumption and food rituals are associated with cultural norms, behaviors, social conventions, religious practices, and individual and group ways of living. Laboratory component provides exposure to traditional foods and cooking techniques. Pre-requisite: NUTR 244 and 245; co-registration lecture and lab (NUTR 298A&B). Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

NUTR 341 Medical Nutrition II. Physiological and biochemical aspects of nutrient metabolism; interrelationships between cellular reactions, nutrition, and health; biochemical and physiological principles of nutrition for obesity, eating disorders, alcohol metabolism, inborn errors, the nervous system. Spring and summer. Prerequisite: BIOL 108 or BIOL 198, NUTR 200, NUTR 241, and BCHM 251 or 261. 3 semester hours. %

NUTR 342 Applied Nutritional Physiology. A physiological and biochemical examination of the impact of lifestyle factors (e.g., nutrient excesses and deficiencies, exercise, stress) on disease processes associated with Syndrome X. Case study applications. Pre-requisites: NUTR 200 or 241; BCHM 251 or 261 and BIOL 258 (basic nutrition, biochemistry and physiology courses). Cross-listed NUTR 342 and 542. 3 semester hours. %

NUTR 345 Science of Sports Nutrition. The course examines the metabolic and physiologic basis for macronutrient and micronutrient recommendations during training, competition/performance, and recovery. Includes disease applications and case studies. Pre-requisites: BIOL 258, BCHM 251 or 261, and NUTR 200 or 241. Cross listed with NTR 530. Spring and Summer. 3 semester hours. %

NUTR 350 Food and Nutrition Services Management. This course presents the students with information regarding the key concepts of organization structure and management principles including: fiscal control, performance measurements, human resource and information management, and marketing. Spring. Prerequisite: NUTR 250. 2 semester hours. %

NUTR 371 Medical Nutrition Therapy I. Pathology, treatment and nutritional therapy of chronic and acute diseases. Fall. Prerequisite: BIOL 258, NUTR 200 or 241. 4 semester hours. %

NUTR 372 Clinical Nutrition Case Studies Lab. A problem-based learning approach to case studies, integrated with a traditional didactic approach, to foster development of independent critical thinking skills. Incorporates medical record reviews, development of clinical and education plans, and documentation techniques. Part of the course is supervised at an off-campus site; transportation is required. Credit or co-registration in NUTR 371, 391 and 392. Each semester. 2 semester hours. %

NUTR 373 Advanced Menu Planning Lab. Applied process of translating the nutritional needs into menus for healthy persons and those with special dietary considerations, throughout the life span. Includes management and quality improvement principles. Fall. Prerequisite: NUTR 250 and Credit or co-registration in NUTR 371. 1 semester hour. %



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NUTR 381 Behavioral and Social Aspects of Public Health. This course provides an overview of social, psychological and biological determinants of human health behavior and behavior change methods. Fall term. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course. It does not count towards science core or major credit. 3 semester hours. *Consent Required.* '

NUTR 382 Health Systems. A multidisciplinary examination of various aspects of health care organizations in the U. S. It explores government and economic influences on the system. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course. It does not count towards science core or major credit. 3 semester hours. *Consent Required.* '

NUTR 383 Ethical and Political Issues. This course focuses on the ethical and political dimensions of public health and health care organizations and professions. Prerequisite: Senior standing and consent of Nutrition Department Chairperson. Note: This course is a cross-listed public health course. It does not count towards science core or major credit. 3 semester hours. *Consent Required.* '

NUTR 390 Selected Topics. Special topics in nutrition adjusted to the needs of the students. Topics may be changed so that the course may be repeated for credit. Prerequisites: refer to the course schedule (usually NUTR 200 or 241, BCHM 261, BIOL 258, and consent of Nutrition Department Chairperson). Periodically. 1-3 semester hours. *Consent Required.* '
Course Repeatable. Maximum number of units allowed 99. '

NUTR 391 Nutrition Assessment lab. Professional practice roles, methods, and skills. Emphasis on developing skills in medical terminology and nutrition assessment (i.e. anthropometrics and other body composition indicators, biochemical indices, clinical symptomatology, dietary intake) for health promotion and disease prevention. Learning experiences include practice in the campus and community. Transportation may be required. Pre-requisite: Credit or co-registration in NUTR 371. Each semester. 1 semester hour. %

NUTR 392 Nutrition Research and Professional Writing. Critique nutrition literature as foundation to develop a professional manuscript, journal critique and write for public audiences. Fall and spring. Prerequisite: WRIT 102; BIOL 229 or PSYC 150; and credit or concurrent registration in NUTR 341 or NUTR 371. 2 semester hours. Writing Intensive

NUTR 395 Nutrition Counseling Lab. Interviewing and counseling methods and techniques. Prerequisite: NUTR 271 and credit /co-registration in NUTR 392. Nutrition majors only. Spring and summer. 1 semester hour. %

NUTR 396 Specialized Nutrition Practicum. Supervised experience designed to meet the interest of an individual student. May be at off-campus sites. Transportation may be required. Each semester and summer. Prerequisite: Nutrition majors only and Instructor consent. Fee: \$27.50 1-3 semester hours. *Consent Required.* '

NUTR 399 Nutrition Research. A supervised nutrition research project that is conducted on or off campus. May be repeated for credit. Each semester. Nutrition majors only, and Instructor consent. 1-3 semester hours. *Consent Required.* '
Course Repeatable. Maximum number of units allowed 99. '

Philosophy (

PHIL 120 Greek Philosophy. A historical introduction to Greek thought. Fall. IAI H4 901. 3 semester hours. Philosophy Core Elective



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PHIL 191 Selected Topics. Special philosophical issues offered at the introductory level according to the interest of faculty and students. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PHIL 200 Introduction to Logic. What is the difference between a sound and an unsound argument? How can one tell the difference between good reasoning and bad? What sorts of evidence should one accept for certain claims? As we pursue these questions, we will discuss and practice the fundamentals of both informal and formal logic. Fall, yearly. 3 semester hours. %
Philosophy Core Elective

PHIL 205 Philosophy of Human Nature. Investigation of the classic questions regarding the human person: unity, freedom, death and immortality, mind-body relation, and community. Spring. 3 semester hours. Philosophy Core Elective

PHIL 210 Philosophy of Being. Examination of the basic principles of reality which affect all thought: change and permanence, unity in diversity, the meaning of existence, goodness, truth and beauty, the categories of being, and the analogy of being. Fall. 3 semester hours. Philosophy Core Elective

PHIL 215 Theory of Knowledge. Analysis of the nature, possibility, foundations, and extent of human knowledge. Fall. 3 semester hours. Philosophy Core Elective

PHIL 220 Mediterranean World. See HUMN 220. Offered yearly. 3 semester hours. Writing Intensive

PHIL 225 Medieval Philosophy. Survey of philosophy from Augustine to the 14th Century. Offered: Spring, even years only. 3 semester hours. Philosophy Core Elective

PHIL 230 Baptism of Europe. See HUMN 230. Offered spring. 3 semester hours. Philosophy Core Elective

PHIL 235 Modern Philosophy. Survey of philosophy from the 15th century to the early 19th century. Fall, even years. 3 semester hours. Philosophy Core Elective

PHIL 240 Converging Hemispheres. See HUMN 240. Fall, yearly. 3 semester hours. Philosophy Core Elective

PHIL 245 General Ethics. Investigation of ethical concepts and theories and an analysis of the norms of ethical decision. Spring, yearly. 3 semester hours. Philosophy Core Elective

PHIL 246 Ethics for the Bio-Ethically Minded. Course covers major schools of thought on ethics within the bio-medical arena. 3 semester hours. Philosophy Core Elective

PHIL 247 Ethics for the Business-Minded. Course covers major schools of thought on ethics within the business arena. 3 semester hours. Philosophy Core Elective

PHIL 248 Ethics for the Ecologically Minded. Course covers major schools of thought on ethics within the environmental/ecology arena. 3 semester hours. Philosophy Core Elective



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PHIL 249 General Ethics for the Professional. Investigation of ethical concepts and theories and an analysis of the norms of ethical decision and the relationship of these to professionals in all fields. It provides a solid foundation in moral theory, recast in light of postmodern critiques of moral philosophy, together with diverse applications to help students understand the philosophical complexity of ethical challenges that arise for professionals in all types of work and can help students from all disciplines better understand how to resolve ethical challenges in the modern workplace. Fall and Spring. 3 semester hours. % Philosophy Core Elective

PHIL 250 Contemporary World. See HUMN 250 with philosophical emphasis. Spring. 3 semester hours. Philosophy Core Elective

PHIL 255 Contemporary Continental Philosophy. 3 semester hours. Philosophy Core Elective

PHIL 260 Social & Political Philosophy. Course covers the philosophy of societal change, the forces that bring about change and the revolutionary potential of change. 3 semester hours. Philosophy Core Elective

PHIL 265 Contemporary Anglo-American Philosophy. Course covers 19th and 20th century philosophical movements in America and Britain. 3 semester hours. Philosophy Core Elective

PHIL 270 Medieval Philosophy. This course uses elements of fiction and non-fiction in the study of various topics of race, class and gender in American Studies (Topics vary). Cross listed with PHIL 370. 3 semester hours. Philosophy Core Elective

PHIL 285 Topics in Philosophical Exploration of Religion. This course is an investigative exploration of some of the fundamental philosophical questions and relationships pertaining to the nature, practice, and understanding of religion or Theology. Periodically. 3 semester hours. %

PHIL 290 History and Philosophy of Science. Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. 3 semester hours. Philosophy Core Elective

PHIL 291 Selected Topics. Special philosophical issues offered at the intermediate level according to the interest of faculty and students. A topics course may apply toward the divisional core. 3 semester hours. Philosophy Core Elective *Course Repeatable. Maximum number of units allowed 99. '*

PHIL 295 Independent Study. Special philosophical issues offered according to the interest of faculty and students. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

PHIL 315 Theory of Knowledge. Analysis of the nature, possibility, foundations, and extent of human knowledge. 3 semester hours. Philosophy Core Elective

PHIL 325 Medieval Philosophy. Survey of philosophy from Augustine to the 14th century. 3 semester hours. Philosophy Core Elective

PHIL 330 Medieval Philosophy. Survey of philosophy from Augustine to the 14th century. Spring, even years. 3 semester hours. Writing Intensive

PHIL 335 Modern Philosophy. Survey of philosophy from Descartes to Kant. 3 semester hours. Philosophy Core Elective



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PHIL 345 Topics in Philosophical Ethics. 3 semester hours.

PHIL 346 Biomedical Ethics. In this class, students will investigate fundamental ethical questions pertaining to health, medicine, and the life sciences. It is a course in applied ethics - where the application of general ethical theory is to the contemporary moral issues of medicine and biology. Pre-requisite: A Philosophy course. Offered Spring. 3 semester hours. %
Philosophy Core Elective

PHIL 347 Ethics for the Business-Minded. Course covers major schools of thought on ethics within the business arena. 3 semester hours. Philosophy Core Elective

PHIL 348 Ethics for the Ecologically Minded. Course covers major schools of thought on ethics within the environmental/ecology arena. 3 semester hours. Philosophy Core Elective

PHIL 355 Philosophy of Law. Conceptual and moral investigation of the nature of the law and of practical legal issues, such as civil disobedience or the obligation to obey the law. Periodically. 3 semester hours. %

PHIL 360 Social and Political Philosophy. Course covers the philosophy of societal change, the forces that bring about change and the revolutionary potential of change. 3 semester hours. Philosophy Core Elective

PHIL 365 Contemporary Anglo-American Philosophy. Course covers 19th and 20th century philosophical movements in American and Britain. 3 semester hours. Philosophy Core Elective

PHIL 370 Medieval Philosophy. Survey of philosophy from Augustine to the 14th Century. Offered spring, even years only. Cross listed with PHIL 270. 3 semester hours. Philosophy Core Elective

PHIL 385 Topics in Philosophical Exploration of Religion. This course is an investigative exploration of some of the fundamental philosophical questions and relationships pertaining to the nature, practice, and understanding of religion or Theology. Periodically. 3 semester hours. %

PHIL 390 History and Philosophy of Science. Course covers the historical, philosophical and ethical questions of the scientific revolution through the present. 3 semester hours. Philosophy Core Elective *Consent Required.* '

PHIL 391 Selected Topics. Special philosophical issues offered at the advanced level according to the interest of faculty and students. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PHIL 395 Independent Study. Designed to encourage the superior student to study in depth and to research an area beyond the undergraduate course offerings. Prerequisite: Consent of instructor. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

PHIL 397 Internship. Practical experience in a related career field under the supervision of the philosophy program. Prerequisite: Department consent. 3 semester hours. *Consent Required.* '

Physical Education (



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PHED 257 Wellness. Concepts and applications of cardiovascular fitness, nutrition and weight management, stress management life-style management, and substance abuse. Emphasis is on the interactive nature of these health-related components, on being an informed consumer, and on the development and implementation of a personal wellness program. Satisfies teaching certification Health/Physical Education requirement. 2 semester hours. %

Physics (

PHYS 101 Physical Science. An introduction to the basic concepts of physics and scientific reasoning relating to the experiences encountered in the everyday physical environment. For non-science majors. Each semester. IAI P9 900. 3 semester hours. Physical Science Core Elect

PHYS 105 Physical Geography. An introduction to hydrology and the physical processes operating in and on the planet earth. Topics of study will include ground and surface water, the hydrologic cycle, watershed models, groundwater recharge, geomorphology, tectonics, structural features, and geological processes relating to natural resource management, environmental processes and concerns. Periodically. 3 semester hours. Physical Science Core Elect

PHYS 106 Astronomy. Examines astronomical phenomena and concepts including the solar system, stars, galaxies, planetary motion and the evolution of the universe. 3 semester hours. Physical Science Core Elect

PHYS 107 Earth and Space Science. A physical science laboratory course that includes the study of key principles of Earth and Space Science through the investigation of real world problems. The earth science component includes the study of large-scale dynamic forces, events, and processes that affect the Earth's land, water, and atmospheric systems, identification and evaluation of the uses of the Earth's resources, and the processes involved in the life cycle. The space science component focuses on concepts that explain the composition, structure of and changes in the universe and Earth's place in it. By working and studying within the context of a real world problem, students learn how scientific principles are used and applied in everyday life. IAI P1 909. Spring. 4 semester hours. Physical Science Core Elect

PHYS 113 College Physics I. PHYS 113, 114, 118 and 119 constitute a complete non-calculus introductory physics sequence including laboratory for life sciences majors. Topics for PHYS 113 include vectors, classical mechanics, heat and wave phenomena. Fall, summer. IAI P1 900; BIO 903. Prerequisite: "C" or better in MATH 111. 3 semester hours. Physical Science Core Elect

PHYS 114 College Physics I Lab. Selected experiments to illustrate the experimental methods and the principles studied in PHYS 113. Fall, summer. IAI P1 900L; BIO 903. Prerequisite: credit or co-registration in PHYS 113. 1 semester hour. % Physical Science Core Elect

PHYS 118 College Physics II. Topics include electromagnetism, light, atomic physics, and nuclear physics. Spring, summer. IAI MTM 902L; BIO 904. Prerequisite: PHYS 113. 3 semester hours. Physical Science Core Elect

PHYS 119 College Physics II Lab. Selected experiments to illustrate the concepts studied in PHYS 118. Spring, summer. IAI MTM 902L; BIO 904. Prerequisite: PHYS 114 and credit or co-registration in PHYS 118. 1 semester hour. Physical Science Core Elect *Course Repeatable. Maximum number of units allowed 1. '*

PHYS 205 University Physics I Lab. Designed to acquaint the student with experimental methods and techniques with applications to the topics studied in PHYS 211. Fall. Prerequisite: Credit or co-registration in PHYS 211. 1 semester hour. % Physical Science Core Elect



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PHYS 206 University Physics II Lab. Designed to acquaint the student with experimental methods and techniques with applications to the topics studied in PHYS 212. Spring. IAI EGR 912. Prerequisite: PHYS 205 and credit or co-registration in PHYS 212. 1 semester hour. Physical Science Core Elect

PHYS 207 Modern Physics Lab. Experimental physics course designed to cover laboratory methods and techniques that apply to topics from Modern Physics. Topics to be covered include electron charge to mass ratio, crystal scattering, spectroscopy, blackbody radiation, scanning probe microscopy, photon, tunneling, lasers, semiconductor devices, holography, radioactive decay, and the photoelectric effect. Pre-requisite: Physics 213 or consent of instructor 1 semester hour. %

PHYS 211 University Physics I. An introductory treatment of mechanics, waves, and heat. Topics include vectors, statics, dynamics, work, energy, collisions, rotational motion, gravitation, hydrostatics, vibrations, ideal gases, heat, and thermodynamics. The courses PHYS 211, 212 and 213 constitute a complete sequence for science, mathematics, computer science, and engineering students. Fall. IAI EGR 912. Prerequisite: Credit or co-registration in MATH 210 or MATH 220. 4 semester hours. Physical Science Core Elect

PHYS 212 University Physics II. Electric field and potential, dielectrics, magnetic forces and fields, electromagnetic induction, DC and AC circuits, EM-waves, light, and optics. Spring. IAI EGR 912; MTH 921. Prerequisite: PHYS 211 and credit or co-registration in MATH-211 or Math 221. 4 semester hours. Physical Science Core Elect

PHYS 213 Modern Physics. An introduction to the fundamental concepts of modern physics and quantum mechanics for science and engineering students. Subjects include relativistic mechanics, electromagnetic waves, wave-particle duality, wave mechanics, atomic structure, band theory, and properties of nuclei. Fall. IAI EGR 914. Prerequisite: PHYS 118 or PHYS 212 and credit or co-registration in MATH 212. 3 semester hours. Writing Intensive

PHYS 220 Analytical Mechanics. This course presents an intermediate treatment of Newton's law in various coordinate systems, projectile motion including air resistance, momentum, angular momentum, energy and conservative forces, driven and damped oscillators, LaGrange's equations, two-body central force problems, mechanics in non-inertial frames, rotational motion of rigid bodies, and coupled oscillators. The course introduces vector calculus, differential equations, complex numbers, Taylor series, and matrices in the solutions to problems. Fall. IAI EGR 942. Prerequisites - PHYS 211 and credit or co-registration in MATH 211. 3 semester hours. %

PHYS 264 Electronics. An integrated laboratory and lecture course designed to cover the basic principles of modern electronics. Topics include AC and DC circuits, linear and non-linear devices, power supplies, operational amplifiers, and logic circuits. Lecture and laboratory work are integrated allowing the students to test the theory through projects that the students design and build. Spring. Pre-Requisite: Phys 118 or 212 or consent of the Instructor. Cross listed with PHYS 264. 3 semester hours. %

PHYS 291 Selected Topics. Current topics in physics or biophysics. Periodically. Prerequisite: Dependent upon topic. 3 semester hours. %

PHYS 296 Physics Teaching. Teaching assistant. Offered each semester and summer. Consent by Instructor. 1-2 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PHYS 300 Instrumentation Lab. Class as IIT 3 semester hours. *Consent Required.* '



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PHYS 304 Nuclear Science. Origins and nature of nuclear and atomic radiation, interaction of radiation with matter, radiation detectors, detection systems, and radiation safety. Lecture and laboratory. Intended for any qualified sciences student. Periodically. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required.* '

PHYS 313 Classical Thermodynamics. Properties of gases, relating heat and work, concepts of enthalpy and entropy, heat engines, mixtures, and phase changes. Fall. Prerequisite: CHEM 123, PHYS 118 or 212, and Math 212. Cross listed with CHEM / PHYS 313. 3 semester hours. %

PHYS 314 Physical Chemistry I Laboratory. Applies principles discussed in CHEM 313. Fall. Prerequisite: Registration or credit in CHEM 313. 1 semester hour. Writing Intensive

PHYS 315 Quantum and Statistical Mechanics. Failures of classical physics, development of quantum theory, atomic structure and spectra, statistical mechanics, and statistical thermodynamics. Spring. Prerequisites: PHYS 313 and credit/co-registration in Math 260 or 300. Cross listed with CHEM / PHYS 315. 3 semester hours. %

PHYS 316 Physical Chemistry II Laboratory. Applies principles discussed in CHEM 315. Spring. Prerequisite: Credit or co-registration in CHEM / PHYS 315. Cross listed with CHEM / PHYS 316. 1 semester hour. Writing Intensive

PHYS 323 Biophysics. A calculus-based introduction to biophysical concepts and computational methods for science majors using Excel. The course is an integrated lecture and computer lab experience. Topics covered include membrane transport, equilibrium and the Nernst potential, properties of random walks and diffusion, and an introduction to molecular dynamics methods. (Students cannot earn credit in both BIOL/CHEM/PHYS 323 and BIOL 310). Prerequisites: CHEM 123, PHYS 118 or 212, MATH 211 or 221. Spring. Cross listed with BIOL/CHEM/PHYS 323. 4 semester hours. Writing Intensive

PHYS 340 Electricity and Magnetism I. Theoretical study of classical electrostatics and electrodynamics. Topics include vector calculus of the electromagnetic field, electric field and potential, conductors, Laplace equations, boundary value problems, multipoles, polarization, dielectrics, magnetostatics, divergence and curl of the magnetic field, magnetization, Ampere's law, electrodynamics, electromagnetic induction, and Maxwell's equations. Periodically. Prerequisites: PHYS 118 or PHYS 212 and MATH 260. 3 semester hours. %

PHYS 357 Molecular Dynamics and Kinetics. Electric properties of molecules, molecular interaction, molecular motion, chemical kinetics, molecular reaction dynamics. Periodically. %
 Credit or co-registration in PHYS 315. 3 semester hours. %

PHYS 374 Experimental Modern Physics. A laboratory course designed to cover methods and topics in experimental physics for advanced science students. The course allows students to gain hands-on experience investigating topics that can include chemical physics, bio-physics, sensors, modern physics, optics, electronics, and other advanced concepts with the goal of improving the connection between experimental results and theory. The experiments that will be covered in the course will vary from term to term depending on the interests of the students. Periodically.
 Prerequisites-PHYS 207 and 213 or consent of instructor. 2 semester hours. *Consent Required.* '



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PHYS 390 Selected Topics in Physics. Lecture course covering topics with which the student has not become acquainted in formal course work. May be an extension of or supplement to material previously encountered or material from a completely new area. Periodically. Prerequisite: PHYS 213 and MATH 260, and consent of instructor. 3 semester hours. %
Consent Required. Course Repeatable. Maximum number of units allowed 99. '

PHYS 393 Internship. Practical experience in physics or related career areas under the supervision of the Physics Program. Prerequisite: Consent of faculty coordinator. 1-3 semester hours. *Consent Required. '*

PHYS 395 Independent Study. Designed to encourage desire in superior students to continue the study of physics beyond the scope of undergraduate course offerings through guided independent study. Periodically. Prerequisite: Consent of instructor. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

PHYS 398 Research. Original research in physics or biophysics conducted under the supervision of a faculty or adjunct faculty member. Periodically. Prerequisite: consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

Political Science (

PLSC 100 Principles of Politics. Analyzes the political process and institutions in the United States and foreign nations. IAI S5 903. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 101 Global Affairs. This course explores some of the major issues in contemporary world politics. The end of the Cold War and the demise of the bipolar superpower relationship has reverberated across all issues in international affairs. We will consider such international issues as military security, ethnicity and nationalism, the international economy, the environment, and regional issues. Each week's readings presents an overview of the topic for that week, discussing the changing nature and relevance of the issue in light of the momentous changes taking place in the "world order." The final week will explore the role of the US in this changing world. IAI S5 904N. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 102 American Government. Satisfies both the U.S. and IL., Constitution requirements for teacher certification. IAI S5 900. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 105 Law and Politics. An analysis of law, justice, rights, court procedures, and legislation. The development of various concepts of law and individual and group rights. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 128 Proseminar in Politics. Proseminar led by Distinguished Fellow Jim Ryan. Topics change every semester. 1 semester hour. *Course Repeatable. Maximum number of units allowed 9. '*

PLSC 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. %

PLSC 201 State and Local Government. The inter-relationships between national, state, county, and local governments. (Satisfies the Illinois Constitution requirement for teacher certification.) IAI S5 902. 3 semester hours. %



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PLSC 205 Judicial Process. An introductory course, required for all majors and minors, designed to provide an in-depth understanding of the judicial process in the US. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

PLSC 210 Introduction to International Relations. Analysis of the processes of interaction among nations and groups of nations within the international political system. IAI S5 904N. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 213 American Foreign Policy. This course offers an overview of recent American Foreign policy and concentrates on both international and domestic pressures placed on foreign policy leaders. Students will participate in decision situations and debate policy options. Prerequisite: PLSC 102, 105 or PLSC 210. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 215 Model United Nations. The use of simulation techniques to develop an understanding of the processes and operations of the United Nations. The course culminates with the students participating in the National Model United Nations. 3 semester hours. Anthropology/Poli Sci Core Ele *Course Repeatable. Maximum number of units allowed 45. '*

PLSC 216 Genocide: The Politics of Hate, Fear, Terror and Power. This is a survey course on genocide, one of the most controversial and deadly concepts in all of contemporary politics. We will learn how hate, fear, terror and power have repeatedly converged to produce the most deadly crime humanity has yet conceived. Genocide -- against Armenians in Turkey, The Holocaust, Cambodia's Killing Fields, Bosnia-Herzegovina, Rwanda, Kosovo, and Darfur -- has been a repeated policy used by murderous regimes of many types over the last 100 years. We will study these cases, and the general concept of genocide, in the context of basic themes from the Political Science fields of international relations, comparative politics, and foreign policy studies. No pre-existing knowledge of or exposure to any of these areas is assumed or necessary. PLSC 102, 105 or 210. 3 semester hours. %

PLSC 217 Revolutions and Political Violence. Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 218 Nationalism and Terrorism. This course applies theoretical and analytical tools from the fields of International Relations and Comparative Politics in an attempt to understand the two most serious threats of global security in the post-Cold War world - nationalism and terrorism. Most of the death due to political violence in recent years has been directly or indirectly linked to nationalist movements of terrorist methods. It is critical that citizens in democratic states be informed on these matters, to understand what they are and are not, in order to be responsible citizens. Periodically. PLSC 102, 105, or 210. 3 semester hours. %

PLSC 219 International Political Economy. Examines the politics of international economics and, to a lesser extent, the economic determinants of international politics. Every other year. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 220 Comparative Politics. Concerned with identification of political trends and empirical generalizations of selected political systems. IAI S5 905. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 222 Russian Politics in Comparative Perspective. Analyzes the politics, economics, and social changes of post-communist states, comparing Russia's post-communist experience with that of other states in the Former Soviet Union and Eastern Europe. The fundamental focus of all discussions and readings is on the requirements of and obstacles to the creation of a democratic political system. Prerequisite: PLSC 102, 105, or 210. 3 semester hours. %



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PLSC 224 Democracy & Democratization. Examines the theory and practice of democracy around the world, and the question of "transitions to democracy" through analysis of the problems of creating a democratic political system. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 230 US Constitutional Law I. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 102 or PLSC 105. 3 semester hours. %

PLSC 231 Constitutional Law II. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 102 or PLSC 105 or 210. 3 semester hours. %

PLSC 236 Women in the Law. This course introduces students to basic concepts in the history and development of feminist thought while applying the knowledge to actual cases and legal situations affecting women. By examining the various controversies and problems that pervade this aspect of politics, students will achieve a greater awareness of how the American legal system helps to shape issues relating to gender. Spring, even years. Prerequisite: PLSC 102 or PLSC 105 or 210. 3 semester hours. %

PLSC 237 Mock Trial. An overview of the mechanics of courtroom procedure. Usually taught in conjunction with the mock trial competition. May be repeated for credit. Fall and Spring. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PLSC 240 CCL Public Service Fellow. Public Service Fellows register for this course as part of their requirements as a Fellow. Requirements variable, as determined by the CCL Director and communicated to Fellows upon their nomination. Instructor consent. *Consent Required.* '

PLSC 241 Presidential and Congressional Politics. Study of the American presidency; the background, powers and relations with the other components of the political system. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 242 Congress & Legislative Process. Concentrates on the whole spectrum of the legislative process in the United States. Features simulation of the US House. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 243 American Political Thought. Analyzes major American political theorists and the effects their thoughts have had on structuring our governmental institutions and shaping the political values and behavior of Americans. Prerequisite: PLSC 102 or PLSC 105. 3 semester hours. %

PLSC 244 Democratic Citizenship. This is a seminar in which students will discuss and analyze the rights and responsibilities of citizenship and the importance and relevance of politics, government, and public policy. The course includes a service learning component. 3 semester hours. %

PLSC 245 Campaigns, Elections and Political Behavior. An analysis of individual and group political behavior within the context of the U.S. election system. Emphasis is placed on the nature of campaigns and the impact of elections on government. Class features student projects on campaign tactics and strategy. Prerequisite: PLSC 102. 3 semester hours. %



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PLSC 247 Politics and Religion in the United States and beyond. In this course we will examine the intersection of religion and politics from both a domestic and comparative perspective, including contemporary debates about political identities, secularization, modernization, culture, conflict and collaboration. Religious institutions will be evaluated as potential vehicles for citizen discourse and mobilization; we will also assess the broader impact of religion in the public square. Emphasis will be on domestic American politics, but many of these phenomena will also be considered from a comparative perspective. 3 semester hours. %

PLSC 248 American Politics: Pressure Groups and Parties. The role of pressure groups and political parties and their impact upon the American political system. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 251 Introduction to Public Policy. This course serves as an introduction to the policy-making process, covering the various institutions, actors, and procedures involved in getting an idea for solving a policy problem adopted into law and implemented. The themes discussed may be relevant at the local, state, or national levels, and may include, but not limited to, such matters as health, education, environmental, and fiscal policy issues. Prerequisite: PLSC 102, 105, or 210. 3 semester hours. %

PLSC 255 Environmental Politics. The politics of environmental protection and regulation in the United States and selected other states. Prerequisite: PLSC 102 or Environmental Science Major. 3 semester hours. %

PLSC 260 Politics and Film. A study of political themes as they appear in film and the use of film for political purposes. Specific topics vary. Periodically. 3 semester hours. %

PLSC 291 Topics. A study of selected matter in the discipline of political science. Recent topics have included Politics of Western Europe, Politics of Soviet Union. Prospective topics may include Politics on Latin America, Politics of Southeast Asia, Politics of Sub-Sahara Africa, and Feminist Politics. Prerequisite: PLSC 102, PLSC 105 or PLSC 210. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PLSC 295 Independent Study. Course work in political science in which the student in cooperation with one of the faculty members, designs the course in some area of political science of interest to the student. 3 semester hours. *Consent Required.* '

PLSC 296 Elections and Civic Responsibility. This seminar will examine the critical role citizens play in American constitutional democracy. Emphasis will be on state and federal elections in Illinois and the importance of voting rights and political participation. Students will be familiarized with Illinois election laws, voter registration requirements and the supervision of elections by state and local authorities. Guest speakers will include representatives from the DuPage Election Commission, who will outline the legal qualifications for becoming a qualified election judge and the Commission's role in guaranteeing the integrity of the electoral process. As a central requirement, of the course, students will complete the certification process to become election judges and will serve in that capacity on Election Day. Additional component: Certification to become an election judge and working a precinct on election day. 1 semester hour. %

PLSC 297 Internship. Federal, state, and local government institutions in the area serviced by the university offer opportunities for interested students to gain practical experience in governmental offices. Prerequisite: Junior or senior standing. 3 semester hours. %

PLSC 299 Research Methods in Political Science. An analysis of the various theoretical approaches to the study of social sciences as well as discussion and completion of a scientific research design. Prerequisite: Senior Standing. 3 semester hours. %



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PLSC 313 American Foreign Policy. This course offers an overview of recent American Foreign policy and concentrates on both international and domestic pressures placed on foreign policy leaders. Students will participate in decision situations and debate policy options. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 316 Genocide: The Politics of Hate, Fear, Terror and Power. This is a survey course on genocide, one of the most controversial and deadly concepts in all of contemporary politics. We will learn how hate, fear, terror and power have repeatedly converged to produce the most deadly crime humanity has yet conceived. Genocide -- against Armenians in Turkey, The Holocaust, Cambodia's Killing Fields, Bosnia-Herzegovina, Rwanda, Kosovo, and Darfur -- has been a repeated policy used by murderous regimes of many types over the last 100 years. We will study these cases, and the general concept of genocide, in the context of basic themes from the Political Science fields of international relations, comparative politics, and foreign policy studies. No pre-existing knowledge of or exposure to any of these areas is assumed or necessary. PLSC 102, 105 or 210. 3 semester hours. %

PLSC 317 Revolutions and Political Violence. Analyzes theories of revolution and studies a variety of 20th century revolutions. Also considers concepts of terrorism, guerilla warfare and nonviolent revolution. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 318 Nationalism and Terrorism. This course applies theoretical and analytical tools from the fields of International Relations and Comparative Politics in an attempt to understand the two most serious threats of global security in the post-Cold War world - nationalism and terrorism. Most of the death due to political violence in recent years has been directly or indirectly linked to nationalist movements of terrorist methods. It is critical that citizens in democratic states be informed on these matters, to understand what they are and are not, in order to be responsible citizens. Periodically. PLSC 102, 105, or 210. 3 semester hours. %

PLSC 319 International Political Economy. Examines the politics of international economics and, to a lesser extent, the economic determinants of international politics. Every other year. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 322 Russian Politics in Comparative Perspective. Analyzes the politics, economics, and social changes of post-communist states, comparing Russia's post-communist experience with that of other states in the Former Soviet Union and Eastern Europe. The fundamental focus of all discussions and readings is on the requirements of and obstacles to the creation of a democratic political system. Prerequisite: PLSC 102, 105, or 210. 3 semester hours. %

PLSC 324 Democracy & Democratization. Examines the theory and practice of democracy around the world, and the question of "transitions to democracy" through analysis of the problems of creating a democratic political system. Prerequisite: PLSC 102 or PLSC 210. 3 semester hours. %

PLSC 330 US Constitutional Law I. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 102 or PLSC 105. 3 semester hours. %

PLSC 331 Constitutional Law II. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 102 or PLSC 105 or PLSC 210. 3 semester hours. %



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PLSC 336 Women in the Law. This course introduces students to basic concepts in the history and development of feminist thought while applying the knowledge to actual cases and legal situations affecting women. By examining the various controversies and problems that pervade this aspect of politics, students will achieve a greater awareness of how the American legal system helps to shape issues relating to gender. Spring, even years. Prerequisite: PLSC 102 or PLSC 105 or 210. 3 semester hours. %

PLSC 341 Presidential and Congressional Politics. Study of the American presidency: the background, powers, and relations with the other components of the political system. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 342 Congress and the Legislative Process. Concentrates on the whole spectrum of the legislative process in the United States. Features simulation of the US House. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 343 American Political Thought. Analyzes major American political theorists and the effects their thoughts have had on structuring our governmental institutions and shaping the political values and behavior of Americans. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 344 Democratic Citizenship. This is a seminar in which students will discuss and analyze the rights and responsibilities of citizenship and the importance and relevance of politics, government, and public policy. The course includes a service learning component. 3 semester hours. %

PLSC 345 Campaigns, Elections and Political Behavior. An analysis of individual and group political behavior within the context of the US election system. Emphasis is placed on the nature of campaigns and the impact of elections on government. Class features student projects on campaign tactics and strategy. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 347 Politics and Religion in the United States and beyond. In this course we will examine the intersection of religion and politics from both a domestic and comparative perspective, including contemporary debates about political identities, secularization, modernization, culture, conflict and collaboration. Religious institutions will be evaluated as potential vehicles for citizen discourse and mobilization; we will also assess the broader impact of religion in the public square. Emphasis will be on domestic American politics, but many of these phenomena will also be considered from a comparative perspective. 3 semester hours. %

PLSC 348 American Politics: Pressure Groups and Parties. The role of pressure groups and political parties and their impact upon the American political system. Prerequisite: PLSC 102. 3 semester hours. %

PLSC 351 Introduction to Public Policy. This course serves as an introduction to the policy-making process, covering the various institutions, actors, and procedures involved in getting an idea for solving a policy problem adopted into law and implemented. The themes discussed may be relevant at the local, state, or national levels, and may include, but not limited to, such matters as health, education, environmental, and fiscal policy issues. Prerequisite: PLSC 102, 105, or 210. 3 semester hours. %

PLSC 354 Seminar on International Theories. An advanced study of the main and latest theories and issues in international relations. 3 semester hours. %

PLSC 355 Environmental Politics. The politics of environmental protection and regulation in the United States and selected other states. Prerequisite: PLSC 102 or Environmental Science Major. 3 semester hours. %



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PLSC 391 Topics. A study of selected matter in the discipline of political science. Recent topics have included Politics of Western Europe, Politics of Soviet Union. Prospective topics may include Politics of Latin America, Politics of Southeast Asia, Politics of Sub-Saharan Africa, US-Asian Relations, Politics of Policy change in America. Prerequisite: PLSC 102, PLSC 105 or PLSC 210. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PLSC 392 Political Leadership. Intensive study of the principles and practice of the politics of leadership including hands-on leadership experiences in conjunction with the professor. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

PLSC 395 Independent Study. Course work in political science in which the student in cooperation with one of the faculty members, designs the course in some area of political science of interest to the student. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

PLSC 397 Internship. Federal, state, and local government institutions in the area serviced by the university offer opportunities for interested students to gain practical experience in governmental offices. Prerequisite: Junior or senior standing. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 3.* '

PLSC 399 Thesis Research and Writing. Continuation of PLSC-299. Systematic integration of political theory and research. Preparation and completion of an independent undergraduate thesis. Prerequisite: PLSC 299. 3 semester hours. %
 Writing Intensive *Consent Required.* '

Psychology (

PSYC 100 Survey of Psychology. Overview of the field; principles and general methodology; concepts, theories and research, applicability to modern living. Each semester. IAI S6 900. 3 semester hours. Psychology/Sociology Core Elec

PSYC 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. %

PSYC 195 Research Practicum. Participation in ongoing departmental research. Each semester. Prerequisite: Consent of department chair required. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

PSYC 200 Childhood and Adolescence. Behavioral and social analysis of human development from birth through adolescence. Annually. IAI S6 904. Prerequisite: PSYC 100 3 semester hours. %

PSYC 202 Adulthood and Aging. Biopsychological, psychosexual and social cognitive development from young adulthood through aging, to dying and death. IAI S6 905. Annually. Prerequisite: PSYC 100 3 semester hours. %

PSYC 204 Survey of Exceptional Children. Discussion of atypical development: characteristics of persons labeled as having mental retardation, learning disabilities, behavioral disabilities, sensory deficits, speech disorders and health/physical challenges. Diagnosis, referral, educational strategies and legal implications are reviewed. Each semester. Cross referenced with PSYC 204. IAI ECE 913; IAI SED 904. 3 semester hours. %



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PSYC 210 Social Psychology. How social influences affect the individual and group. Attitudes, attribution and prejudice. Each semester. IAI S8 900. PSYC 210 and SOCL 210 are cross-listed. 3 semester hours. Psychology/Sociology Core Elec

PSYC 220 Personality. Theories of personality; process and analysis of personality development and adjustment and discussion of the influence of theories on the practice of psychotherapy. Fall. Prerequisite: PSYC 100. 3 semester hours. %

PSYC 241 Educational Psychology. Survey of theories of classroom learning processes including human growth and development, evaluation, the exceptional child and the disadvantaged child. Emphasis also on the developmental characteristics and nature and needs of the early adolescent. Cross-referenced with PSYC 241. Each semester. IAI SED 902. 3 semester hours. %

PSYC 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours. %

PSYC 250 Basic and Applied Statistics. Acquaints students with descriptive statistical techniques (including measures of central tendency and variability, correlation, regression and large and small sample estimation) as well as inferential statistical procedures (t, z and ANOVA designs, nonparametric tests and multiple regression). Focus will be on how these statistical procedures can be directly applied to real-life situations. Weekend format only. Annually. Prerequisite: MATH 108 or Math 110. 3 semester hours. %

PSYC 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours. %

PSYC 252 Research Practicum. Goal of the course is to develop the student's research skills in a particular field (Psychology, Sociology or Criminal Justice) by involving him/her in an actual research project under the direction of a faculty member. Students will meet with the instructor on a regular basis and will write both a preliminary proposal and final paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypothesis, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate. Pre-requisite: Successful completion of basic skills courses and instructor consent. Offered each term. 3 semester hours. *Consent Required.* '

PSYC 291 Selected Topics. Relevant to the needs and interests of the psychology major. Periodically. 3 semester hours. %
Course Repeatable. Maximum number of units allowed 99. '

PSYC 292 Psychology of Horror Films. Carl Jung's archetypal theory will be applied to horror films (from silent to contemporary) to better understand why people are drawn to this genre. Summer. Prerequisite: PSYC 100. 3 semester hours. %

PSYC 300 Abnormal Psychology. Dynamics of personality disorders, etiology, diagnosis, treatment and prognosis in neurotic and psychotic behavioral disorders. Discussion of case studies. Each semester. Prerequisite: PSYC 100 and Junior/Senior status. 3 semester hours. %

PSYC 302 Psychotherapy. Survey of theories and techniques of individual and group psychotherapies. Concepts and methods of evaluating therapeutic interventions. Fall. Prerequisite: PSYC 300. 3 semester hours. %



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PSYC 310 Social, Psychological, and Cultural Aspects of Aging. This course examines various psychological and sociological aspects which impact the aging process. An analysis of the individual and society, changes in social roles and status, intergenerational relationships, sociocultural differences, and intrapsychic dynamics will be explored. 3 semester hours. Adult Programs

PSYC 314 Learning and Cognition. Lecture course on principles, theories, concepts and experimental literature in learning and cognition, with emphasis on human learning in educational settings. Periodically. Pre-req: PSYC 100, PSYC 251. 3 semester hours. %

PSYC 315 Learning and Cognition Lab. Utilizes a series of computer simulation / experimental techniques to illustrate recall difference in attention, learning and memory. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 314. 1 semester hour. %

PSYC 316 Sensation and Perception. Lecture analysis of the role of the senses in appreciating the external world; mechanisms of sensation and perception; introduction to psychophysical measurement of thresholds and signal detection theory. Periodically. Prerequisite: PSYC 100, PSYC 251. 3 semester hours. %

PSYC 317 Sensation and Perception Lab. Utilizes a series of computer simulation / experimental techniques to illustrate how we perceive information as a function of the senses, threshold detection and other measures are employed. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 316. 1 semester hour. %

PSYC 318 Physiological Psychology. Lecture relating neurophysiological correlates of human and animal behavior, emphasizing motivation, emotion, learning and memory processes. Annually. Prerequisite: PSYC 100 and Junior or Senior standing. 3 semester hours. %

PSYC 319 Physiological Psychology Lab. Utilizes a series of computer simulation / experimental techniques to illustrate important physiological mechanisms (e.g., visual and auditory processing). Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 318. 1 semester hour. %

PSYC 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours. %

PSYC 350 Systems and Theories. Historical antecedents of modern psychology; current theoretical systems. Spring. Prerequisite: Junior, senior in PSYC/SOCL program. 3 semester hours. %

PSYC 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive

PSYC 354 Behavior Modification/Lab. Focuses on basic behavioral principles and procedures. Emphasis is on the use of non-aversive techniques and applications with special needs populations. Requires lab work off campus. Annually. Prerequisite: Junior, senior in PSYC/SOCL program. 4 semester hours. %



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PSYC 356 Clinical Practicum/Lab. Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Each semester. Prerequisite: Junior or Senior in PSYC/SOCL program. 4 semester hours. %

PSYC 358 Group Dynamics Lab. A process-experimental course in how to conduct training in interpersonal skills and how to engage in organizational development activities. Weekend format only. Annually. 4 semester hours. %

PSYC 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. %

PSYC 373 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. %

PSYC 386 Professional Issues in Life Span Services. This course presents an overview of gerontology as a profession. Special attention is given to ethical issues. The course reviews contemporary settings in the field of aging and analyzes the status of gerontology in terms of the occupation as a human service provider. Periodically. 3 semester hours. %

PSYC 389 Organizational Leadership Capstone. Solely for the Moser College Organizational Leadership Program. Pre-Req: PSYC 351. Each term. 3 semester hours. %

PSYC 391 Topics. Relevant topics according to the needs and interests of psychology majors. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

PSYC 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. % *Consent Required.* '

PSYC 397 Psychology Field Placement. Supervised instruction in an on- or off-campus setting related to student's interest in psychology. Each semester. Prerequisite: PSYC-356, and a G.P.A. of 2.5 or better, Consent of department chair and field placement director prior to the 10th week of the semester preceding the field placement. 3-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6.* '

PSYC 398 Life Span Services Field Placement. Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL-356, and a G.P.A. of 2.5 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding field placement 3-6 semester hours. *Consent Required.* '

PSYC 399 Independent Study. Provides opportunity for advanced majors to complete requirements of psychology course on their own. Periodically. Prerequisite: Mutual consent of instructor and program director. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Radiation Therapy (

RADT 330 Introduction to Technical Radiation Oncology. Technical provides the student therapist with the technical aspects of radiation therapy. Discussion will include orientation to the function and operation of radiation therapy equipment. 2 semester hours. %



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RADT 331 Principles and Practice of Radiation Therapy I. Content is designed to provide an overview of cancer and the specialty of radiation therapy. The medical, biological, and pathological aspect as well as the physical and technical aspects will be discussed. The roles and responsibilities of the radiation therapist, the treatment prescription, the documentation of treatment parameters and delivery will also be discussed. 3 semester hours. %

RADT 332 Pathology. The course content is presented in two parts: general pathology and neoplasia. General pathology introduces basic disease concepts, theories of disease causation and system-by-system pathophysiologic disorders most frequently encountered in clinical practice. Neoplasia provides an in-depth study of new and abnormal development of cells. The processes involved in the development and classification of both benign and malignant tumors and site-specific information on malignant tumors is presented. The sectional anatomy content is designed to study normal sectional anatomy via diagrams and radiologic images. 2 semester hours. %

RADT 333 Radiation Physics. Content is designed to establish a basic knowledge of physics pertinent to developing an understanding of radiations used in the clinical setting. Fundamental physical units, measurements, principles, atomic structure, and types of radiation emphasized. Also presented are the fundamentals of x-ray generating equipment, x-ray production, and its interaction with matter. 2 semester hours. %

RADT 334 Clinical Practicum I. Content is designed to provide sequential development, application, analysis, integration, synthesis, and evaluation of concepts and theories in radiation therapy. Through structured sequential assignments in clinical facilities, concepts of team practice, patient-centered clinical practice, and professional development shall be discussed, examined, and evaluated. This includes supervised clinical education, which offers a sufficient and well-balanced variety of radiation treatments, examinations, and equipment. Various rotations include: three general radiation therapy treatment rooms, Simulator/CT simulator, Nursing Department, and Physics/Dosimetry Department. 3 semester hours. %

RADT 335 Medical Imaging. Content is designed to establish a knowledge base in factors that govern and influence the production and recording of radiographic images for patient simulation, treatment planning, and treatment verification in radiation oncology. Radiation oncology imaging equipment and related devices will be emphasized. Procedure for imaging human structure and their relevance to radiation therapy; topographical anatomy, radiographic and cross sectional anatomy. Identification of anatomic structures as demonstrated through various imaging modalities. 2 semester hours. %

RADT 336 Introduction to Radiologic Sciences. Content is designed to provide students with an overview of the foundations, concepts, history and theories in radiation therapy and the practitioner's role in the health care delivery system. The interrelatedness of standards of care, law, ethical standards and competence will be examined. %
Radiation Therapy patient care content will provide the student with concepts and competencies in assessment and evaluation of the patient for service delivery. Psychological and physical needs and factors affecting treatment outcome will be presented and examined. Routine and emergency care procedures will be presented. 2 semester hours. %

RADT 337 Radiation Safety and Protection. Content is designed to present basic principles of radiation protection and safety for the radiation therapist. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies, and health care organizations are incorporated. Specific responsibilities of the radiation therapist are discussed, examined, performed and evaluated. 2 semester hours. %



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RADT 338 Principles and Practice of Radiation Therapy II. Content is designed to examine and evaluate the management of neoplastic disease using knowledge in arts and sciences, while promoting critical thinking and the basics of ethical decision making. The epidemiology, etiology, detection, diagnosis, patient condition, treatment, and prognosis of neoplastic disease will be presented, discussed, and evaluated in relationship to histology, anatomical site, and patterns of spread. The radiation therapist's responsibility in the management of neoplastic disease will be examined and linked to the skills required to analyze complex issues and make informed decisions while appreciating the character of the profession. 3 semester hours. %

RADT 339 Technical Radiation Oncology II. Technical provides the student therapist with the technical aspects of radiation therapy. Discussion will include modalities of treatment and the distinctive properties of each patient setup consideration. This will also include basic hand calculations. 2 semester hours. *Consent Required.* '

RADT 340 Radiation Therapy Physics. Content is designed to review and expand concepts and theories in the radiation physics course. Detailed analysis of the structure of matter, properties of radiation, nuclear transformations, x-ray production, and interactions of ionizing radiation are emphasized. Also presented are treatment units used in external radiation therapy, measurement and quality of ionizing radiation produced, absorbed dose measurement, dose distribution, and scatter analysis. Content is designed to establish factors that influence and govern clinical planning of patient treatment. Encompassed are isodose descriptions, patient contouring, radiobiologic considerations, dosimetric calculations, compensation, and clinical application of treatment beams. Optimal treatment planning is emphasized along with particle beams. 2 semester hours. %

RADT 341 Quality Management. Content is designed to focus on the evolution of quality management (QM) programs and continuing quality improvement in radiation oncology. Topics will include the need for the various types of evaluations and tests performed on simulators, megavoltage therapy equipment, and therapy planning units; the role of radiation therapists in quality management programs; legal and regulatory implications for maintaining appropriate guidelines as well as the role computers and information systems serve within the radiation oncology department. 2 semester hours. %

RADT 342 Operational Issues in Radiation Therapy. Content is designed to focus on various radiation therapy operational issues. Continuing Quality Improvement project development and evaluation and assessment techniques will be emphasized. Human resource issues and regulations impacting radiation therapists will be examined. Accreditation agencies and the radiation therapist's role in the accreditation process will be emphasized. Billing and reimbursement issues pertinent to the radiation therapy department will be presented. 2 semester hours. %

RADT 343 Clinical Practicum II. Continuation of Clinical Practicum I. 2 semester hours. %

RADT 344 Management and Methods of Patient II. Continuation of RADT 336 Management and Methods of Patient Care I. 2 semester hours. %

RADT 345 Radiation Biology. Content is designed to present basic concepts and principles of radiation biology. The interactions of radiation with cells, tissues, and the body as a whole and resultant biophysical events will be presented. Discussion of the theories and principles of tolerance dose, time-dose relationships, fractionation schemes, and the relationship to the clinical practice of radiation therapy will be discussed, examined, and evaluated. 2 semester hours. %

Religious Studies (

RELS 100 Religion and Culture. An investigation of the ways in which myth, ritual, and the interpretation of scripture provides meaning and orientation for human life. Periodically. 3 semester hours. Religious Studies Core Elect



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RELS 105 New Testament Greek I. Beginners introduction to the grammar and vocabulary of the original Greek text. 3 semester hours. %

RELS 106 New Testament Greek II. Continuation of RELS 105. Prerequisite: RELS 105 3 semester hours. %

RELS 110 Ecclesiastical Latin I. A year-long introduction to the grammar and vocabulary needed to read the Latin of St. Jerome's Vulgate, liturgical and Medieval scholastic texts. Equivalent to 4 years of high school Latin. 3 semester hours. %

RELS 111 Ecclesiastical Latin II. Continuation of RELS 110. Prerequisite: RELS 110 3 semester hours. %

RELS 120 Eastern Religious Traditions. An appreciation and critical understanding of Hindu, Buddhist, and other Far Eastern religious traditions through reading primary sources and secondary, explanatory texts. Periodically. 3 semester hours. %
 Religious Studies Core Elect

RELS 122 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. %

RELS 130 Western Religious Traditions. An historical survey of Judaism, Christianity, and Islam. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 140 World Religions. An introduction to the religious teachings and practices of the major monotheistic and polytheistic religions of the world and their cultural impact. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 145 Women in the Sacred Scriptures. An exploration of the literature of the Scriptures of Jewish and Christian believers as well as the Scriptures of other world religions, specifically the literature which emphasizes women's faith or women's experience. Confronted with a host of literary role models in Sacred Scripture, women and men will have the opportunity to explore to what extent, if any, women models are worthy of emulation or assist in deepening their present Spirituality. 3 semester hours. Religious Studies Core Elect

RELS 150 Introduction to the Bible I. A reading of selections from the Christian Bible designed to deal with the historical background, literary composition, and general content of the books of the Hebrew Bible and the New Testament. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect

RELS 151 Introduction to the Bible II. Continuation of RELS 150. Prerequisite: RELS 150. 3 semester hours. %

RELS 155 New Testament. A reading of the New Testament designed to treat the historical background, literary composition, and theological meaning of the text. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect

RELS 160 Jesus Christ. Studies the images of Jesus Christ in the New Testament and the development of Christological doctrine in subsequent Christian thought. Fall, even years. 3 semester hours. Religious Studies Core Elect

RELS 165 The Church. Investigates the apostolic origin, development, and theological understanding of the Christian community up to the present. Spring, odd years. 3 semester hours. Religious Studies Core Elect



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RELS 170 Early Christianity. Examines the first six centuries of doctrinal developments, spiritual life and morality, relations between Christianity and other religious movements, and the church and state. Periodically. 3 semester hours. %
Religious Studies Core Elect

RELS 180 The Divine Economy. A classic religious expression for bringing creation to full health is the unfolding of the drama of "divine economy" (oikonomia tou Theou), one mark of which is shared abundance. Fall, spring. 3 semester hours. %
Religious Studies Core Elect

RELS 191 Selected Topics. Special topics on the introductory level. Fall and spring. A topics course may apply toward divisional core. 1-3 semester hours. Religious Studies Core Elect *Course Repeatable. Maximum number of units allowed 99.* '

RELS 220 History of Christian Thought I. This overview of the Christian intellectual tradition studies the history of reflection on Christian faith from the first through the fifteenth century, as seen in the writings of representative figures. Fall, odd years. 3 semester hours. Religious Studies Core Elect

RELS 221 History of Christian Thought II. This overview of the Christian intellectual tradition studies the history of reflection on Christian faith from the sixteenth century to the present, as seen in the writings of representative figures. Spring, even years. 3 semester hours. Religious Studies Core Elect

RELS 225 Religion & Natural Sciences. 3 semester hours. Religious Studies Core Elect

RELS 230 Judaism. Introduction to the main beliefs and practices of Judaism and the history of the Jewish people. The Herbert Portes Scholar in Residence Course in Judaism. Spring. 3 semester hours. Religious Studies Core Elect

RELS 235 Islam. Study of the belief system, ritual, ethos and social organization of Islam, with attention to outstanding passages of the Quar'an. Co-sponsored by the Islamic Foundation of Villa Park. Fall. 3 semester hours. Religious Studies Core Elect

RELS 240 Christian Worship. A historical, cultural, and theological examination of the liturgical practices of Christians. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 250 Christian Ethics. An understanding of the distinctively Christian strategy of life based on readings of Christian scriptures and theological interpretations. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 251 Christianity in Latin America. Examines the cultural, historical and religious traditions of Latin America and the impact of social change on religious beliefs and practices in the region. 3 semester hours. %

RELS 265 Eastern Christianity. History, theology, and spirituality of Eastern Orthodoxy. Periodically. 3 semester hours. %
Religious Studies Core Elect

RELS 270 Roman Catholicism. Survey of Roman Catholic teachings, ethical principles, sacramental rituals, and structural organization. 3 semester hours. %

RELS 271 19th Century Church History. Studies the European Church's reaction to the French Revolution and scientific theories and the social questions of the 19th century. Analyzes the roots of contemporary developments in the church. 3 semester hours. %



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RELS 272 20th Century Church History. Analyzes the impact of 19th century developments, the world wars, decolonization, intellectual trends, and Vatican II's origins and results. 3 semester hours. %

RELS 275 Protestantism. Survey of the fundamental principles of Protestant teaching as rooted in the German, Swiss, and English Reformations. 3 semester hours. Religious Studies Core Elect

RELS 285 Religion in America. Study of the prominent individuals, communities, movements, institutions and beliefs which make up the religious experience of North American people. Fall. IAI H5 905. 3 semester hours. Religious Studies Core Elect

RELS 291 Selected Topics. Special topics on the intermediate level. Fall/spring. A topics course may apply toward divisional core. Periodically. 3 semester hours. Writing Intensive *Course Repeatable. Maximum number of units allowed 99.* '

RELS 350 Christian Ethics. An understanding of the distinctively Christian strategy of life based on readings of Christian scriptures and theological interpretations. 3 semester hours. %

RELS 385 Religion In America. Study of the prominent individuals, communities, movements, institutions and beliefs which make up the religious experience of North American people. 3 semester hours. %

RELS 391 Selected Topics. Special topics on the advanced level. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

Sociology (

SOCL 100 Principles of Sociology. Fundamental concepts in the scientific study of human society, culture and personality, with special study of the social organization of groups and institutions. Each semester. IAI S7 900. 3 semester hours. % Psychology/Sociology Core Elec

SOCL 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. %

SOCL 195 Research Practicum. Participation in on-going departmental research. Each semester. Prerequisite: Consent of department chair required. 1-3 semester hours. *Consent Required.* '

SOCL 205 Racial and Ethnic Groups. The nature of prejudice. Studies of ethnic relations in America and other societies. Spring. IAI S7 903D. 3 semester hours. %

SOCL 210 Social Psychology. How social influences affect the individual and group. Attitudes, attribution and prejudice. Each semester. IAI S8 900. PSYC 210 and SOCL 210 are cross-listed. 3 semester hours. Psychology/Sociology Core Elec

SOCL 213 Health Aspects of Aging. Studies the normal aging process in American society. Emphasizes health maintenance in normal aging, and availability of, and access to, health resources. 3 semester hours. Life Science Core Elective



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SOCL 220 Community Studies. Examination of selected works on urban, suburban, and rural communities; their social structures, institutions, and patterns of human relationships. Human Ecology, change, and future projections. 3 semester hours. %

SOCL 231 Medical Sociology. Analysis of social factors in relation to health and disease. Organization of health professions and institutions. Periodically. Prerequisite: SOCL 100. 3 semester hours. Psychology/Sociology Core Elec

SOCL 234 Sociology of Sport. Examines social and cultural factors affecting organized sport, including gender, race, the role of money and media coverage in athletics, and the importance of athletics to small communities. 3 semester hours. %

SOCL 235 Sociology of Popular Culture. Studies the role of popular culture in communicating ideas about society, including deviance, gender, social class, and race. Examples that will be studied include films, tattoos and body piercing, and myths, legends, and popular fiction. 3 semester hours. %

SOCL 240 Social Problems. Effects of social change, disorganization and value conflict on family life, mental health, ethnic relations, crime and delinquency, related topics. Spring. IAI S7 901. Prerequisite: SOCL 100. 3 semester hours. %

SOCL 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours. %

SOCL 250 Basic and Applied Statistics. Acquaints students with descriptive statistical techniques (including measures of central tendency and variability, correlation, regression and large and small sample estimation) as well as inferential statistical procedures (t, z and ANOVA designs, nonparametric tests and multiple regression). Focus will be on how these statistical procedures can be directly applied to real-life situations. Weekend format only. Annually. Prerequisite: MATH 108 or Math 110. 3 semester hours. %

SOCL 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours. %

SOCL 252 Research Practicum. Goal of the course is to develop the student's research skills in a particular field (Psychology, Sociology or Criminal Justice) by involving him/her in an actual research project under the direction of a faculty member. Students will meet with the instructor on a regular basis and will write both a preliminary proposal and final paper in APA style, the latter to include identification of the subject of the study, a review of the literature, statement of a working hypothesis, construction of necessary operational definitions, delineation of variables, a description of the population (and sample) and statistical tests if appropriate. Pre-requisite: Successful completion of basic skills courses and instructor consent. Offered each term. 3 semester hours. *Consent Required.* '

SOCL 260 Introduction to Criminal Justice. Examination of the criminal justice system: police, courts and corrections. Analysis of functions, jurisdiction, operation and relationships. Annually. IAI CRJ 901. 3 semester hours. %

SOCL 265 Introduction to Social Work. Values and history that underlie social work issues; discussion of the profession of social work and its concern with human welfare areas and field of service. Fall. 3 semester hours. %



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SOCL 270 Marriage and the Family. Family system and its changing relationships to contemporary society. Structures, value orientation and personality patterns, role and status interrelationships. Annually. IAI S7 902. Prerequisite: SOCL 100. 3 semester hours. %

SOCL 290 Social and Cultural Change. Analysis of large scale historical change, the succession of types of societies and the emergence of the contemporary world. Evolution of social institutions (the family, religion) and speculation about significant future change. Annually. 3 semester hours. %

SOCL 291 Selected Topics in Sociology. According to the interests of the sociology majors. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

SOCL 301 Social Welfare Services. Survey of social work agencies. Application of social systems to public and voluntary social welfare services. Annually. Prerequisite: SOCL 265. 3 semester hours. %

SOCL 306 Correctional System. Theory and research relating to treatment, incarceration and rehabilitation of the offender. Annually. IAI CRJ 911. Prerequisite: SOCL/CJUS 260. 3 semester hours. %

SOCL 310 Social, Psychological and Cultural Aspects of Aging. This course examines social, psychological and cultural aspects that impact the aging process. An analysis of the individual and society, explorations of changes in roles and status, intergenerational relationships, sociocultural differences and intrapsychic dynamics will be explored. Fall. 3 semester hours. %

SOCL 321 Crime and Delinquency. Social and psychological factors related to crime, theories of crime and delinquency, police and court systems and correctional institutions. Annually. IAI CRJ 912. Prerequisite: SOCL / CJUS 260 3 semester hours. %

SOCL 350 Social Theory. Origin and development of sociology through a study of the classic works of the 19th and 20th centuries. Fall. Prerequisite: SOCL 100 3 semester hours. %

SOCL 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive

SOCL 356 Clinical Practicum/Lab. Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Each semester. Prerequisite: Junior or Senior in PSYC/SOCL program. 4 semester hours. %

SOCL 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. %

SOCL 386 Professional Issues in Life Span Services. This course presents an overview of gerontology as a profession. Special attention is given to ethical issues. The course reviews contemporary settings in the field of aging and analyzes the status of gerontology in terms of the occupation as a human service provider. Periodically. 3 semester hours. %



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SOCL 390 Criminal Justice Field Placement. Observation and participation in the daily work of a criminal justice agency. Each semester. Prerequisite: PSYC 356 or SOCL 356, consent of program director and field placement director prior to the 10th week of the semester preceding the field placement, and a G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.* '

SOCL 391 Topics in Sociology. Relevant topics according to the needs and interests of the criminal justice students. Periodically. Prerequisite: SOCL 100. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

SOCL 392 Social Work Field Placement. This internship provides experience in practice in a professional agency under the supervision of a trained practitioner. Each semester. Prerequisite: SOCL 356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.* '

SOCL 394 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. %

SOCL 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. % *Consent Required.* '

SOCL 397 Sociology Field Placement. Supervised experience in an on- or off-campus setting related to the student's interest in sociology. Each semester. Prerequisite: SOCL 356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.* '

SOCL 398 Life Span Services Field Placement. Supervised experience in an off-campus assisted/independent living setting. Each semester. Prerequisite: SOCL-356, and a G.P.A. of 2.5 or better, consent of the program director and field placement director prior to the 10th week of the semester preceding field placement 3-6 semester hours. *Consent Required.* '

SOCL 399 Independent Study. Provides opportunity for advanced majors to complete requirements of sociology course on their own. Periodically. Prerequisites: Mutual consent of instructor and department chair. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Spanish (

SPAN 101 Elementary Spanish I. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and Spring. 3 semester hours. %

SPAN 102 Elementary Spanish II. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and spring. 3 semester hours. %

SPAN 201 Intermediate Spanish I. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Fall. Prerequisite: SPAN 102 3 semester hours. %



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SPAN 202 Intermediate Spanish II. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable student to continue to develop their oral and written proficiency. Fall and spring. IAI H1 900. Prerequisite: SPAN 201 or placement. 3 semester hours. %

SPAN 211 Intermediate Grammar and Composition. Comprehensive review and synthesis of Spanish grammar. Designed to provide students with extensive writing practice in order to prepare them for more effective participation in advanced courses, and to enable them to improve their ability to use and manipulate the language with a higher degree of accuracy, flexibility, and assurance. It is highly recommended that it be taken simultaneously with SPAN 212. Fall and spring. Prerequisite: SPAN 202. 3 semester hours. Writing Intensive *Consent Required.* '

SPAN 212 Intermediate Oral Communications. Emphasis on oral proficiency, syntax, and grammar, as well as helping students to develop their ability to respond to the cultural challenges that face someone living in an Hispanic culture. Fall and spring. Prerequisite: SPAN 211 or concurrent registration in SPAN 211. 3 semester hours. *Consent Required.* '

SPAN 213 Business Spanish I. Survey of the fundamental concepts of commercial language. Designed to help students improve their oral and written proficiency and cultural sensitivity while developing a vocabulary for business functions. Periodically. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. *Consent Required.* '

SPAN 214 Business Spanish II. Survey of the fundamental concepts of commercial language. Designed to help students improve their oral and written proficiency and cultural sensitivity while developing a vocabulary for business functions. Periodically. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. *Consent Required.* '

SPAN 220 Introduction to Spanish Literature. Close reading of selected Spanish short stories, poetry, drama and essays. Analysis of how they reflect and influence the thinking of their times and the relevance of their ideas to the contemporary world. This course is designed to help students improve skills in written and oral narration and description, and reading proficiency. Fall, even years. IAI H3 916. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Literature Core Elective *Consent Required.* '

SPAN 221 Introduction to Contemporary Latin American Literature. Close reading of selected works of Latin American literature including poetry, the novel, drama, and the short story. Students will be exposed to the lives of the authors and their times, as well as the critical role of literature in Latin American social and political development. Emphasis on enabling students to develop skills in written and oral narration and description, and reading proficiency. Fall, odd years. IAI H3 916. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Literature Core Elective *Consent Required.* '

SPAN 230 Elements of Spanish Civilization & Culture. Designed to allow students to work on development of language proficiency through class discussion and selected readings concerned with key elements in Spanish civilization: the family, church, governmental, and social relations, and how these factors have shaped the artistic, literary, and historic experience of Spanish and Spanish American people. Spring, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. *Consent Required.* '

SPAN 231 Elements of Latin American Culture. Designed to allow students to work on development of language proficiency through class discussion and selected readings concerned with key elements in Latin American civilization: the family, the church, social, and political movements, and how these factors have shaped the artistic, literary, and historic experience of Latin American peoples. Fall, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Not a Core Elective



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SPAN 232 Cultural Dynamics of Latin Americans in the United States. Examines the history, contributions, and problems of various Latin American ethnic groups in the U.S. as they adjust and adapt to North American culture. Especially recommended for Education majors. 3 semester hours. Not a Core Elective

SPAN 291 Topics in Spanish Language and Literature. Intermediate-level study of topics in Spanish and Latin American literature, culture and civilization. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 9. '*

SPAN 294 Spanish Conversation Teaching. To provide Spanish majors and minors with the opportunity to strengthen proficiency in all skills. Students work with instructor to prepare and conduct classes, tutor beginning students on an individual basis, and work with assistants in other languages in developing the departmental archive of authentic materials to aid in language instruction. Prerequisite: SPAN 211, SPAN 212. 2 semester hours. *Consent Required. '*

SPAN 295 Independent Study. Designed for the intermediate student who wishes to explore an aspect of Spanish language or literature beyond the scope of the regular course offerings. Prerequisite: Department Consent 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

SPAN 305 Advanced Grammar. In-depth study of Spanish syntax and grammar. Strong emphasis on sentence analysis, grammar terminology, translation and word expression acquisition. Highly recommended for prospective language teachers, but useful for all Spanish majors or minors. Designed to enable students to improve their ability to use and manipulate the language with a higher degree of accuracy, flexibility and assurance. Fall, odd years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. *Consent Required. '*

SPAN 307 Contemporary Drama in Spain. Study of representative playwrights. Discussion of the political, social, economic and religious issues reflected in the plays. Emphasis on enabling students to develop skills in oral and written analysis, narration and description, as well as to strengthen reading proficiency. Spring, odd years. Prerequisite: SPAN 211 and 212. 3 semester hours. Literature Core Elective *Consent Required. '*

SPAN 310 Contemporary Latin America Narrative. Study of novels, short stories and related videos and films that belong to the "boom" period of the Latin American narrative, as well as its immediate precursors and successors. Emphasis on enabling students to develop skills in oral and written analysis, narration and description, as well as to strengthen reading proficiency. Spring, even years. Prerequisite: SPAN 211 and 212. 3 semester hours. Literature Core Elective *Consent Required. '*

SPAN 311 Advanced Written Communications. Designed to enable students to improve writing skills through extensive practice and intensive study of various forms of written communication. Fall, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. Writing Intensive *Consent Required. '*

SPAN 312 Advanced Oral Communications. Continued emphasis on oral proficiency, syntax, and grammar. Students will work on their ability to respond to the challenges faced when living in an Hispanic culture. In-depth interviews and tapes will be developed. Spring, even years. Prerequisite: SPAN 211, SPAN 212. 3 semester hours. *Consent Required. '*

SPAN 391 Topics in Spanish Language and Literature. Advanced-level study of topics in Spanish and Latin American culture, civilization and literature. Fall/Spring. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*



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SPAN 395 Independent Study. Designed for the advanced student who wishes to explore an aspect of Spanish language or literature beyond the scope of the regular course offerings. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99. '*

SPAN 397 Internship. Professional experience designed to enhance proficiency and cultural understanding in human service or business agencies in countries where Spanish is the primary language. Prerequisite: Approved application, Department Consent 2-6 semester hours. *Consent Required. '*

Speech (

SPCH 110 Speech Communication. An introduction to public speaking, communication theory and small-group and interpersonal communication. The course includes researched extemporaneous speeches and several in-class exercises. Each semester. IAI C2 900. 3 semester hours. Oral Communication

Theology (

THEO 101 Theology of Love. Examines the concept of "God is Love" in the systematic theology of the Trinity, the Sacramental theology of the Eucharist and Marriage, and the Moral theology of Catholic social ethics and Catholic sexual ethics. 3 semester hours. Religious Studies Core Elect

THEO 102 Theology of Justice. This course examines the idea of justice particularly in relation to the redeeming death of Christ and its implications for theology. It will survey the systematic theology of the Christology and the Atonement; the sacramental theology of the Eucharist, Reconciliation and Holy Orders, and the Moral Theology of Law, social justice and canon law. 3 semester hours. Religious Studies Core Elect

THEO 103 Theology of Freedom. This course examines the concept of freedom in human life and theology, particularly as it relates to the problem of evil, human action and creativity. It will survey the systematic theology of Creation, Salvation History and Eschatology, the study of the last things; the sacramental theology of Baptism, Confirmation and Reconciliation; The ecclesial theology of the laity, and the moral theology of human action and freedom of conscience. 3 semester hours. % Religious Studies Core Elect

THEO 104 Faith and Science. This course examines the relationship of faith and reason and the theological underpinnings of Catholic thought and how it related to the secular understanding of science. It will survey the systematic theology of creation and the possibility of reason, the sacramental understanding of creation, the moral theology of ecology and the ecclesial theology of the autonomy of the secular disciplines. Fall, Spring, Summer. 3 semester hours. Religious Studies Core Elect

THEO 201 Survey of the Hebrew Scriptures. Survey of the Hebrew Scriptures with emphasis on historical context and relation to Catholic systematic theology. Spring. 3 semester hours. %

THEO 202 New Testament. This course is an in-depth study of the New Testament, its origins, interpretation, and transmission to the modern world. Instructor consent. Spring. 3 semester hours. *Consent Required. '*

THEO 203 Sacramental Theology. Study of the history, meaning, and theological significance of the sacraments in Catholic theology. Yearly. 3 semester hours. Religious Studies Core Elect



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THEO 204 Catholic Spirituality. Examines the historical and contemporary contexts of Catholic spirituality. Yearly. 3 semester hours. Religious Studies Core Elect

THEO 205 Dogmatic Theology. Examines the critical dogmatics and creeds of the church revealing theoretical truths of catholic faith. Even years only. 3 semester hours. %

THEO 206 Christian Ethics. Course examines historical and contemporary issues through Christian ethical analysis. Odd years only. Writing Intensive. 3 semester hours. Religious Studies Core Elect

THEO 207 Catholic Social Teaching. Course examines the history and contemporary application of Catholic social ethics. 3 semester hours. %

THEO 208 Sexual Ethics. Course examines Catholic theological, social and ethical teachings on cultural conceptions of sexual identities, and politics and procreation. Yearly. 3 semester hours. Religious Studies Core Elect

THEO 212 Land, Justice and Peace. This course is a review of the theological and ethical issues underpinning the situation in Palestine and Israel and the impact religion, water, and land have on the search for peace. Spring. Department consent required. 3 semester hours. Religious Studies Core Elect *Consent Required.* '

THEO 220 Mediterranean World. Covers content of HUMN 220 with emphasis on history of the Old Testament. Fall. 3 semester hours. Religious Studies Core Elect *Consent Required.* '

THEO 225 Pilgrimage. This course will introduce students to the history, theology, and practice of pilgrimage in various religions, including Judaism, Christianity, Islam, and Hinduism. Students will not only study theological texts about pilgrimage, but they will also become familiar with some of the most famous pilgrimage destinations (Jerusalem, Mecca, Rome, Compostela, Guadalupe, Varanasi) and their associated practices. Department Consent. Offered Spring. 3 semester hours. Religious Studies Core Elect *Consent Required.* '

THEO 230 Baptism of Europe. Same content as HUMN 230 with emphasis on the foundation of the Catholic Church and New Testament history. Spring. 3 semester hours. Religious Studies Core Elect *Consent Required.* '

THEO 235 Interreligious Dialogue. This course will introduce various theological approaches to interreligious dialogue, with a special focus on the Roman Catholic perspective. Students will not only study theological texts about interreligious dialogue written by Christians, Muslims, Jews, and Buddhists, but they will also become familiar with real-life encounters between adherents of the various world religions today. 3 semester hours. Religious Studies Core Elect

THEO 252 Business Ethics in the Context of Catholic Social Teaching. This course examines the standard issues of business ethics from three perspectives: the norms of Kantian Ethics, the utilitarian calculation of the good and the emphasis on the common good, solidarity and subsidiarity of Catholic Social Teaching. It will use case studies to demonstrate the strengths and weaknesses of each of the three approaches to current business problems. 3 semester hours. Religious Studies Core Elect

THEO 301 Survey of the Hebrew Scriptures. Survey of the Hebrew Scriptures with emphasis on historical context and relation to Catholic systematic theology. Spring. 3 semester hours. %



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THEO 302 New Testament Survey of Christianity. Eschatology and dogmatics from a catholic perspective. Yearly 3 semester hours. %

THEO 303 Sacramental Theology. Study of the history, meaning and theological significance of the sacraments in Catholic theology. 3 semester hours. Religious Studies Core Elect

THEO 304 Catholic Spirituality. Examines the historical and contemporary contexts of Catholic spirituality. Yearly. 3 semester hours. %

THEO 305 Dogmatic Theology. Examines the critical dogmatics and creeds of the church revealing theoretical truths of Catholic faith. Even years only. 3 semester hours. %

THEO 306 Christian Ethics. Course examines historical and contemporary issues through Christian ethical analysis. Yearly. Writing Intensive 3 semester hours. Religious Studies Core Elect

THEO 307 Catholic Social Teaching. Course examines the history and contemporary application of Catholic social ethics. Yearly. 3 semester hours. %

THEO 308 Sexual Ethics. Course examines Catholic theological, social and ethical teachings on cultural conceptions of sexual identities, and politics and procreation. Yearly. 3 semester hours. Religious Studies Core Elect

THEO 391 Advanced Topics:. Advanced topic in Theology. 3 semester hours. *Course Repeatable. Maximum number of units allowed 3.* '

THEO 399 Senior Seminar. Senior seminar which directs the research of the students to a topic relating theology and the secular discipline of their choice. The capstone project is a 20,000 word dissertation. 3 semester hours. Writing Intensive *Consent Required.* '

Writing Program (

WRIT 101 Person in Community: Writing Colloquium. A first-year writing-intensive skills course whose content focuses on Benedictine University and its mission of higher learning grounded in the liberal arts and guided by its Benedictine Heritage and Catholic tradition. Students will be introduced to the theme of "Person in Community," which unites the Cultural Heritage sequence of courses. Readings will encourage students to understand, discuss, and write about issues of contemporary relevance. Emphasis on writing and revising argumentative essays, grammar review, basic library research skills, and textual analysis. Each semester. Required for first semester freshmen in the pilot program, which combines RHET 101 and HUMN 101. Grade of "C" or better. IAI CI900. 3 semester hours. First Writing Course

WRIT 102 Research Writing. A course that introduces students to writing in the disciplines of literature, social science, or biological science. Students study types of writing in the discipline, use advanced library research techniques, write brief literature reviews, and develop and write significant research papers. Grade of "C" or better. IAI CI901. 3 semester hours. % Second Writing Course



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WRIT 104 Person in Community. A first-year course whose content focuses on Benedictine University and its mission of higher learning grounded in the liberal arts and guided by its Benedictine Heritage and Catholic tradition. Students will be introduced to the theme of "Person in Community", which unites the Cultural Heritage sequence of courses. Readings will encourage students to understand, discuss, and write about issues of contemporary relevance. For all freshmen with a 3 or better on the AP test in English Lit/Comp or English Lang/Comp. 1 semester hour. *Consent Required.* '



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Accounting +

ACCT 111 Accounting I. Principles of financial accounting; including the basic structure of accounting, accounting systems, and controls, the preparation and use of financial statements, and problems related to financial disclosures. Credit will not be granted for both ACCT 111 and ACCT 115. IAI BUS 903. Fall and Spring semesters. Prerequisite: Math 105 or Math 110 or coregistration in Math 105 or Math 110. 3 semester hours. *

ACCT 112 Accounting II. Principles of managerial accounting; including cost accounting, planning and control systems, and analysis and interpretation of financial statements. IAI BUS 904. Fall and Spring semesters. Prerequisite: ACCT 111 3 semester hours. *

ACCT 211 Intermediate Accounting I. A thorough study of balance sheet accounts integrated with an analysis of their relationship to the income statement. Fall semester. Prerequisite: ACCT 111. 3 semester hours. *

ACCT 311 Cost Accounting. A comprehensive study of the methods of accounting for manufacturing operations with a special emphasis on profit planning and operating controls. Pre-requisite: ACCT 112. 3 semester hours. *

Anthropology +

ANTH 200 Cultural Anthropology. Study of the origins of mankind and culture. Development of human language, culture, and institutions, cross cultural analysis of societies, and cultures. IAI S1 901N. 3 semester hours. Anthropology/Poli Sci Core Ele

ANTH 290 Social and Cultural Change. Analysis of large scale historical change, the succession of types of societies and the emergence of the contemporary world. Evolution of social institutions (the family, religion) and speculation about significant future change. Annually. 3 semester hours. *

Astronomy +

ASTR 105 Astronomy. Examines astronomical phenomena and concepts including the solar system, stars, galaxies, planetary motions, atoms and radiation and the origin and evolution of the universe. 4 semester hours. *

ASTR 203 The Universe: Stars, Galaxies and Deep Space with Lab. THE UNIVERSE is a course designed for those who have ever wondered about the mysteries and phenomena of deep space. The course will be a descriptive course with lab, and will use math, particularly algebra and some geometry. Areas of study will include an overview of modern astronomy; observational techniques of the night time sky; the concepts of space, time and gravity; the nature of stars (types, formation, evolution and death); all about galaxies, quasars, pulsars and black holes; and cosmology, new deep space theories and the fate of our universe. Prerequisite: algebra and some geometry (high school or other). (Three lecture hours and one three-hour laboratory weekly). IAI P1 906L 4 semester hours. *

ASTR 204 The Universe: Stars, Planets and Our Solar System with lab. This is a course designed to emphasize the constructs of nearby space phenomena by use of lecture and lab. Areas of study include an overview of ancient and modern astronomy; becoming familiar with the celestial sphere; developing observational techniques for night time viewing; the concepts of space, time and gravity; a thorough study of each planet in our solar system; plus comets and asteroids; and our own Milky Way Galaxy. Prerequisite: One year of high school algebra or equivalent. (Three lecture hours and one three-hour laboratory weekly). IAI P1 906L 4 semester hours. *



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Biology +

BIOL 114 General Botany with Lab. Study of the anatomy and physiology of plants in general and the various divisions in detail. Included are units on genetics, evolution and ecology. The interaction and effects of human intervention on plant life is also studied. Correlated laboratory work. (Three lecture hours and one three-hour laboratory weekly). IAI L1 901L. 4 semester hours. *

BIOL 116 Introduction to Human Biology with Lab. An investigation of the structures and function of the systems in the human body with correlated laboratory work. (Three lecture hours and one three-hour laboratory weekly) 4 semester hours. *

BIOL 117 General Biology I with Lab. An introduction to the fundamentals of biology with emphasis on classes of biological molecules, the organization and function of the cell, energy flow in plants and animals, principles of inheritance and evolution with correlated laboratory work. (Three lecture hours and one three-hour laboratory weekly) 4 semester hours. *

BIOL 118 General Zoology with Lab. Study of the anatomy and physiology of animals in general and the various animal phyla in detail. Includes units on metabolism, genetics, evolution and reproduction with correlated laboratory work. (Three lecture hours and one three-hour laboratory weekly) 4 semester hours. *

BIOL 180 The Ecology of a Changing Planet. Introduces the nonscience major to the basic ecological processes and science that are involved in many environmental concerns. Periodically. 3 semester hours. Natural Sciences Core Elective

BIOL 193 Introduction to Cellular Biology with Lab. Presentation of the concepts of biology with emphasis on cellular structures and their function, cellular metabolism, genetics and reproduction. Introduction to diverse life forms, including bacteria, protists and fungi. Correlated laboratory work. Prerequisite: high school chemistry or concurrent enrollment in college chemistry. High school biology recommended. (Three lecture hours and one three-hour laboratory weekly). IAI BIO 910; IAI CLS 902 4 semester hours. *

BIOL 194 Introduction to Biological Organisms and Ecology with Lab. The study of plant and animal structure and function along with the concepts of ecology and evolution. Correlated laboratory work. Prerequisite: BIO-106. (Three lecture hours and one three-hour laboratory weekly). IAI BIO II; IAI CLS 901. 4 semester hours. *

BIOL 208 General Microbiology. Comprehensive survey of the biology of microorganisms, especially bacteria. Includes topics in growth, metabolism, physiology, taxonomy, ecology and biotechnology. Lecture and lab. Each semester. IAI CLS 905; NUR 905. Prerequisite: BIOL 108 and BIOL 109 or BIOL 197, 198, and 199. 4 semester hours. *

BIOL 216 Human Anatomy and Physiology I with Lab. A basic course in the biology of the human body including study of cell and tissue structure and function and energy concepts of the human. This is followed by a detailed presentation of the skeletal, muscular, integumentary and nervous system including the special senses. Correlated laboratory work. Prerequisite: one-year high school biology or one semester college biology and CHEM-105 or CHEM-111 or permission of instructor. (Three lecture hours and one three-hour laboratory weekly). IAI CLS 903; IAI NUR 903. 4 semester hours. *

BIOL 217 Human Anatomy and Physiology II with Lab. A continuation of BIOL-216 with detailed study of the structure and function of the circulatory, respiratory, digestive, excretory, endocrine, immune and reproductive systems with correlated laboratory work. Prerequisite: BIOL-216. (Three lecture hours and one three-hour laboratory weekly). IAI CLS 904; IAI NUR 904. 4 semester hours. *



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BIOL 221 Field Biology. Concentrated course of field experiences in life sciences: collection, identification, and ecological study of organisms in natural habitats. Special fees determined by location of fieldwork. 3 semester hours. *

BIOL 252 Genetics with Lab. A survey course emphasizing Mendelian inheritance, molecular, cellular and medical genetics as well as current genetic research and its applications. The Genetics Laboratory is designed to illustrate principles formulated in the lecture portion of the class. Prerequisite: BIOL 194, CHEM 121, and Sophomore Standing. Cannot earn credit in both BIOL 252 and BIOL 250/251. 4 semester hours. *

BIOL 291 Selected Topics. Special topics in biology chosen for the interests or needs of students. Periodically. Prerequisite: Consent of instructor. 1-4 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

BIOL 292 Biology Teaching. Opportunity for motivated students that have demonstrated excellent ability in theoretical aspects and practical techniques covered in prior laboratory coursework with experience to (1) assist in the teaching of an undergraduate laboratory science course, (2) grade assignments and tests, and (3) prepare reagents and equipment for laboratory use. Each semester. Prerequisite: Consent of instructor. Maximum of 2 credits allowed towards major. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 9.* '

BIOL 299 Quantitative Biology Laboratory for Transfer Students. Methods and techniques of biology laboratory investigation. Experimental design, data collection and statistical analysis, graphical representation of data, interpretation of results. Includes Biological Science Department orientation activities for transfer students. * Required for transfer students majoring in the biological sciences. 1 semester hour. *

BIOL 391 Selected Topics. Special courses on various topics with which the student has not become acquainted in formal course work. May be an extension of or a supplement to material previously encountered, or lectures from a completely new area. Periodically. 1-3 semester hours. *Writing Intensive Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Business +

BUSN 103 Introduction to Business. Introduction to the fundamental principles behind the management of both for-profit and not-for-profit organizations. Introduction to economics, marketing, organizational management, human relations, accounting and finance. 3 semester hours. *

Chemistry +

CHEM 100 Basic Chemistry I with lab. A study of fundamentals of inorganic chemistry centered in chemical changes, stoichiometry and solution chemistry with emphasis on the role of chemistry in everyday life. The course is recommended for liberal arts majors and for those students who require more advanced chemistry but have had no high school chemistry. (Three lecture hours and one two-hour laboratory weekly) A student may not earn credit in CHEM 100 and in CHEM 101/102. 4 semester hours. *

CHEM 105 Introductory Chemistry with Laboratory. A one-semester survey course. This course covers fundamentals of chemistry with emphasis on solutions, weak acids, weak bases, buffers and hydrolysis. Problems in basic stoichiometry and solution chemistry are covered. An introduction to organic chemistry is presented. Prerequisite: MAT-095 or concurrent enrollment in MAT-095, high school chemistry or CHEM-100. (Three lecture hours and one two-hour laboratory weekly). IAI P1 903L. Students may not earn credit in CHEM 105 and CHEM 101/102. 4 semester hours. *



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CHEM 106 Survey of Organic Chemistry with Lab. This course is designed for students whose curricula do not require the 8-10 hour sequence of organic chemistry. Emphasis is placed on nomenclature and organic reactions of all functional groups with coverage of some basic mechanisms. Attention is given to an introduction to biochemistry and wherever possible correlations are made between the chemistry being learned and the biology background of the students. This course is relevant to students in the health professions of nursing and medical technology. Prerequisite: CHEM-105 or CHEM-111. (Three lecture hours and one three-hour laboratory weekly). Periodically. IAI CLS 921. Credit cannot be earned in CHEM 106 and CHEM 103/104. 4 semester hours. *

CHEM 111 General Chemistry I with Lab. Fundamental laws and theories of inorganic chemistry with emphasis on atomic and molecular structure and bonding, basic properties of gases, liquids and solids; stoichiometry and problems related to this theoretical material. Computer homework correlates with lecture. Laboratory work correlates where possible and much is of a quantitative nature. Prerequisite: high school chemistry or CHEM-105 and two years of high school algebra or concurrent enrollment in MATH-110. (Three lecture hours and one three-hour laboratory weekly). IAI CLS 906; IAI BIO 906; IAI EGR 961; IAI CHM 911; IAI NUR 906. Credit cannot be earned in CHEM 111 and CHEM 113/114/115. 4 semester hours. *

CHEM 121 General Chemistry II with Lab. Continuation of CHEM-111 with emphasis on theories of ionization and equilibrium, kinetics, thermodynamics and complex ions. A short unit on nuclear chemistry is included. Laboratory experiments correlate in large part with the lecture material. There is some qualitative analysis and spectrophotometry. Prerequisite: CHEM-111. (Three lecture hours and one three-hour laboratory weekly). IAI CLS 907; IAI BIO 907; IAI CHM 912; IAI NUR 907. Cannot earn credit in CHEM 121 and CHEM 123/124/125. 4 semester hours. *

CHEM 241 Organic Chemistry I with Lab. A structural and mechanistic approach to the important functional groups and their reactions from alkanes through alcohols in both the aliphatic and aromatic series. Laboratory work teaches various techniques and reaction mechanisms that coordinate with lecture, including an introduction to GC, IR and NMR. Prerequisite: CHEM-111 and CHEM-121. (Three lecture hours and one three-hour laboratory weekly). IAI BIO 908; IAI CLS 908; IAI EGR 963; IAI CHM 913; IAI NUR 908. cannot earn credit in CHEM 241 and CHEM 242/243/244. 4 semester hours. *

CHEM 246 Organic Chemistry II with Lab. Continuation of CHEM-241 taking the functional groups beginning with aldehydes and ketones. Some introduction to biochemistry, especially with reference to carbohydrates and proteins. Laboratory includes more qualitative and some quantitative work, one longer synthesis, and more interpretation of IR, NMR and an introduction to mass spectroscopy. Prerequisite: CHEM-241. (Three lecture hours and one three-hour laboratory weekly). IAI BIO 909; IAI CLS 909; IAI EGR 964; IAI CHM 914. Cannot earn credit in CHEM 246 and CHEM 247/248/249. 4 semester hours. *

Communications +

COMM 150 Introduction to Communication Arts. A writing and speaking-intensive introduction to communication arts theory and research, with an emphasis on analyzing mass media messages and understanding their underlying cultural and historical contexts. 3 semester hours. Writing Intensive

COMM 207 Editing for Publications. Introduction to the principles and practices of editing for books, magazines, and newspapers. Prerequisite: Writ 102 or 103 or HNRS 190 3 semester hours. *

COMM 208 Layout and Design for Publication. Graphic design principles and professional processes are emphasized. Print projects may include organizational identity, response, advertising, newsletter, book/magazine, and other projects, using Quark Xpress. Online design principles are introduced to enable design of a simple website. Fall. 3 semester hours. *



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COMM 209 Newswriting and Reporting. Principles and practice in gathering and writing news as well as preparing copy for publication. Fall. IAI MC 919. Prerequisite: RHET 101 3 semester hours. Writing Intensive

COMM 221 Introduction to Public Relations. A survey of the professional practices, theories, core values, ethics, issues and problems of public relations in private-sector, government and not-for-profit organizations. Introduction to theoretical and practical aspects of persuasion, issue analysis, media campaign planning and strategies. Pre-requisite: WRIT-101 with a grade of "C" or better. 3 semester hours. *

COMM 251 History of Film. A cross-cultural study of the development of the cinema from its late 19th century origins to the present. IAI F2 909. 3 semester hours. Fine Arts/Music Core Elective

COMM 252 Technical Writing. A practical course designed to train students for various fields that require technical writing skills - engineering, computer science, industry, etc. 3 semester hours. *

COMM 253 Public Relations Writing. Focuses on writing for print media. Students prepare news releases, newsletters and feature stories. Fall. Prerequisite: WRIT 102 or 103 or HNRS 190 3 semester hours. *

COMM 254 Writing for the Electronic Media. A practical course designed to expose students to the various approaches, forms and techniques of writing for the electronic media. IAI MC 917. Prerequisite: WRIT 102 or 103 or HNRS 190 3 semester hours. *

COMM 255 Television Production. Laboratory course introducing students to the technical and aesthetic principles utilized in preparing programming for television. Fall. IAI MC 916. Fee: \$45 3 semester hours. *

COMM 257 Digital Video Production. Laboratory course introducing students to the technical and aesthetic principles utilized in recording and editing digital video. 3 semester hours. *

COMM 263 Advertising Copywriting. Covers the fundamentals of writing copy and designing advertising for all forms of print and electronic media. Periodically. Prerequisite: RHET 101 3 semester hours. *

COMM 264 Sports Journalism. This course is designed for students to adapt skills learned in COMM 209 toward a variety of sports environments and applications. The students will write press releases and do hard news reporting, and be informed of the inner workings of the sports communication environment. 3 semester hours. *

COMM 265 Sports Broadcasting. Students will apply basic skills learned in Comm 254/255 to a variety of video and multimedia applications. Emphasis will be on writing effective sports stories, conducting professional-looking standups, and covering the sports beats on campus. Students will also produce a half-hour sports cable show. 3 semester hours. *

COMM 291 Topics. Study of aspects of communication on the intermediate level not listed as regular course offerings. May be repeated. Prerequisite: RHET 102 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

COMM 297 Internship. Practical experience in public relations, electronic media, journalism, advertising or multimedia supervised by the Communication Arts department. Up to three internship hours may be applied toward the 39 hour major requirement. Up to 12 hours may apply toward the 120 hours for graduation. Prerequisite: Consent of internship coordinator, department chair, and at least 3.0 G.P.A. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12. '*



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COMM 317 Mass Media Law and Ethics. Examines the many legal and ethical issues related to the mass media. Fall. Prerequisite: WRIT 102 or HNRS 191. 3 semester hours. *

COMM 337 Advanced Journalism Writing. Students practice the major styles of journalistic writing beyond newswriting: public affairs reporting, feature writing, magazine writing and editorial writing. Periodically. Prerequisite: COMM 209. 3 semester hours. Writing Intensive

COMM 353 Advanced Seminar in Writing, Editing, and Page Design for Publications. In this seminar, students work on a major publications project, engage in critical reading of media content, discuss writing, editing and page design strategies, have drafts of their work critiqued in class, and develop a professional portfolio of the work. Periodically. Prerequisite: COMM 150, COMM 207, COMM 208, and COMM 209. 3 semester hours. Writing Intensive *Consent Required.* '

COMM 381 Multimedia Production for the Web. Students experiment with a variety of web-based materials utilizing applications from text and visual media. Periodically. Prerequisite: COMM 208, RHET 102. 3 semester hours. *Consent Required.* '

COMM 385 Television and Society. An in-depth investigation of the television industry and its impact on American and world culture. Periodically. Prerequisite: RHET 102. 3 semester hours. *

COMM 386 Media and Government. Examines major theoretical models of a central problem in mass communications from historical and cross-cultural perspectives. Periodically. Prerequisite: RHET 102. 3 semester hours. *

COMM 387 The Literature of Journalism. Traces the development of the literary genre in journalism from the 18th century essays of Defoe, Steele and Addison to the “new journalism” of Wolfe and Capote. Periodically. Prerequisite: WRIT 102. 3 semester hours. *

COMM 388 Studies in Film Theory and Criticism. Selected topics in film theory and criticism. 3 semester hours. Fine Arts/Music Core Elective *Course Repeatable. Maximum number of units allowed 9.* '

COMM 390 Images of Men and Women in Advertising. A critical investigation of how we are influenced in the way we think about gender and gender relationships. Periodically. Prerequisite: RHET 102. 3 semester hours. Writing Intensive

COMM 391 Topics. Study of aspects of communications on the advanced level not covered in the above course offerings. Prerequisite: COMM 207, COMM 208, RHET 102. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

COMM 393 Senior Portfolio. Required of all Communication Arts majors, this course is designed to help the student improve the appearance, content, and organization of their Senior Portfolio. Prerequisite: Senior Standing 3 semester hours. *

Computer Science +

CMSC 100 Introduction to PC Software Applications. Introduction to the software applications of word processing, spreadsheet, and database management using the Microsoft Office Suite for Windows. For non-majors. 3 semester hours. *



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CMSC 180 Introduction to Computer Science. Techniques and theory of information systems in a rapidly changing technical environment. Technology topics include hardware, software, communications, databases, emerging technologies, internet, intranet. Information systems topics include information processing concepts and functional systems used in business. Each semester. 2 semester hours. Natural Sciences Core Elective

CMSC 183 Office Suite Laboratory. Introduction to the software applications of word processing, spreadsheets, and presentation software using the Microsoft Office Suite for Windows. Fall and Spring. Prerequisites: co-registration in CIS/CMSC 180. 1 semester hour. Natural Sciences Core Elective

Economics +

ECON 101 Principles of Macroeconomics. Determination of income, employment, and the price level. Effects of fiscal and monetary policies. IAI S3 901. Math 105, 108, or 110. 3 semester hours. Business/Economics Core Elect

ECON 102 Principles of Microeconomics. Demand-Supply model, consumer and firm decision-making, market structures, price determination, resource allocation. IAI S3 902. Math 105, 108, 110. 3 semester hours. Business/Economics Core Elect

ECON 202 Price Theory and Application. Analysis of consumer choices and of decision-making by firms under different market conditions. Prerequisite: ECON 101, ECON 102. 3 semester hours. *

ECON 310 Money and Financial Markets. Study of money, the banking system, monetary theories, and relation of the monetary system to national income, employment, and price levels. Prerequisite: ECON 101, ECON 102. Fall. 3 semester hours. *

Education +

EDUC 200 Preclinical Experience. Directed observation and participation in off-campus setting. Students participate in a 35 hour experience. Transportation needed. Each semester. IAI EED 904; IAI SED 905. Prerequisite: Cumulative GPA of 2.50, preclinical application and co-registration in EDUC-205. 1 semester hour. *

EDUC 205 History and Philosophy of Education. A survey of education in the United States from the Colonial period to the present with emphasis on the major philosophies which have influenced American education. Philosophies relative to each grade level, including middle grades, are presented. Each semester. Prerequisite: Cumulative G.P.A. of 2.50 and co-registration in EDUC 200. 3 semester hours. *

EDUC 206 Transfer Introduction to Education Seminar. A required seminar course for students who have been awarded transfer credit for Education 205 (History and Philosophy of Education). Registration is required during the first semester of matriculation in the School of Education. The seminar will meet for 5 sessions and will serve as introduction to the Benedictine University School of Education, LiveText, and the portfolio process. Students registering for this course will undergo a State of Illinois background check. Each semester.

EDUC 210 Educational Psychology. Survey of theories of classroom learning processes including human growth and development, evaluation, the exceptional child and the disadvantaged child. Emphasis also on the developmental characteristics and nature and needs of the early adolescent. Cross-referenced with PSYC 241. Each semester. IAI SED 902. 3 semester hours. *



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EDUC 215 Technology for Teachers. This required course will cover topics relevant to use of technology in the classroom, lesson planning via technology, and use of the Internet for education purposes. Other topics include: LiveText, Powerpoint, WebCT, Inspiration, Dreamworks, design of web pages and user groups, spreadsheets for grade reports, and digital portfolios. Each semester (module course). Prerequisite: Co-registration in EDUC-200 and EDUC-205 (or EDUC 206); cumulative G.P.A. of 2.5 3 semester hours. *

EDUC 235 Children's Literature. Survey of forms of literature written for children. Emphasis on appreciation and evaluation of books and authors, choices for age groups, school and home settings and the importance of children's literature as a basis for a lifelong enrichment. Spring. Prerequisite: Cumulative G.P.A. of 2.5. 3 semester hours. *

EDUC 240 Reading and Language Arts. The development of total content in reading and language arts: emphasizes an holistic approach to teaching reading, writing, speaking and listening. Specific methods and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Fall.
Prerequisite: EDUC 205 and cumulative G.P.A. of 2.5. 3 semester hours. *

EDUC 260 Survey of Exceptional Children. Discussion of atypical development: characteristics of persons labeled as having mental retardation, learning disabilities, behavioral disabilities, sensory deficits, speech disorders and health/physical challenges. Diagnosis, referral, educational strategies and legal implications are reviewed. Each semester. Cross referenced with PSYC 204. IAI ECE 913; IAI SED 904. 3 semester hours. *

EDUC 310 Measurement & Evaluation. Introduction to basic education statistics, K-12 assessments, understanding assessment issues and understanding educational research. Includes design of classroom tests and education assessments; portfolio assessment; and assessment strategies for exceptional children. Each semester. Prerequisite: EDUC-260 and cumulative G.P.A. of 2.5. 3 semester hours. *

EDUC 312 Methods of Teaching Social Studies - Elementary. Methods and materials for teaching social studies in elementary and middle schools. Specific methods (e.g. reading in the content area) and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Fall. Prerequisite: EDUC-205, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. *

EDUC 315 Methods of Teaching Mathematics - Elementary. Characteristics and concepts of programs in elementary and middle-grade mathematics. The patterns of meaningful instruction, curricular trends and teaching materials and philosophies relative to grade K-2, 3-5 and 6-8 are discussed. Students participate in a 35-hour preclinical experience. Transportation needed. Fall. Prerequisite: EDUC-205, co-registration in EDUC-316, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. *

EDUC 316 Preclinical Experience - Elementary Mathematics. Thirty-five hours in an off-campus setting. Transportation needed. Fall. Prerequisite: Preclinical application, co-registration in EDUC-315, cumulative G.P.A. of 2.5, and TEP.
Consent Required. '

EDUC 318 Methods of Teaching Science - Elementary. Methods and materials for teaching science in the elementary and middle school classrooms. Specific methods (e.g. reading in the content area) and philosophies are discussed relative to grades K-2, 3-5 and 6-8. Spring. Prerequisite: EDUC-205, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. *

EDUC 320 Literacy and Assessment. Includes discussion of reading assessment in terms of diagnosing problems and prescribing instruction for children experiencing reading difficulties in grades K-2, 3-5 and 6-8. Students participate in a 35-hour clinical experience that affords the opportunity to apply theory into practice. Transportation needed. Each semester. Prerequisite: EDUC 240, co-registration in EDUC 321, cumulative G.P.A. of 2.5, and TEP. 3 semester hours. Writing Intensive



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EDUC 321 Preclinical Experience: Reading. Thirty-five hours in an off-campus setting. Transportation needed. Prerequisite: Pre-clinical application, co-registration in EDUC-320, cumulative G.P.A. of 2.5, and TEP. *Consent Required.* '

EDUC 352 Young Adult and Multicultural Literature in the Middle and Secondary School Curriculum. Evaluation, selection and teaching of literature to serve the interests and reading needs of students from the middle-school through high school. The course includes literature which reflects the culture and heritage of America's multiethnic/multicultural population. The course emphasizes theory and research in reading comprehension, literary criticism, including reader response and curriculum and instruction. In addition, the course includes critical analysis, methods of teaching literature and the uses of literature in the curriculum. Periodically. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 3 semester hours. *

EDUC 370 Student Teaching Elementary and Middle School. Full semester teaching experience under professional guidance. Includes observation, planning and supervised teaching. Each semester. Prerequisite: Required professional education courses and approval by the Teacher Education Committee. Applications must be submitted one year in advance. Transportation needed. Cumulative G.P.A. of 2.5, admitted into TEP, and ICTS content test. 12 semester hours. *Consent Required.* '

EDUC 391 Topics. Relevant topics according to the needs and interest of education students. Prerequisite: Cumulative G.P.A. of 2.5 and TEP. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

English as a Second Language +

ESLS 10 Beginning Listening. Recognizes the names of familiar objects by listening to language in clearly contextualized situations. Constructs meaning by combining comprehension of familiar vocabulary words with a variety of strategies to fill in gaps. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18.* '

ESLS 11 Beginning Reading. Begins with the basic vocabulary and sentence patterns; reading oral presentations. Identifies an increasing number of cognates, borrowed words, and highly contextualized words and phrases. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18.* '

ESLS 13 Beginning Oral Communication. Focuses on successfully communicating basic survival needs for campus and community. Develops conversational abilities by focusing on questions and answers as the foundation of oral interaction. Pre-requisite: Co-registration with ESLS 014. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18.* '

ESLS 14 Pronunciation I Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 18.* '

ESLS 15 Beginning Writing. Emphasizes sentence level grammar; practice supplying written responses to questions. Begins to organize ideas into simple paragraph form. Prerequisite: Co-registration in ESLS 016. Each semester. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27.* '



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ESLS 16 Grammar I Workshop. Workshop oriented course that emphasizes the formal properties of the English language. Focuses on basic statement and question patterns, identifying parts of speech, subject/verb agreement, simple and continuous present, past, and future tenses, and introduce nouns/pronouns, articles, adverbs, and adjectives, demonstratives, possessives, conjunctions, quantifiers, prepositions, and modals. Practices error correction and TOEFL tests. Each semester. 1 semester hour. *Consent Required. Course Repeatable. Maximum number of units allowed 9.* '

ESLS 17 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27.* '

ESLS 20 Intermediate Listening. Improves speaking and listening abilities in performing social and academic functions. Practices note-taking from oral talks, and video/audio clips; identifies main points and support. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18.* '

ESLS 21 Intermediate Reading. Reads a variety of simple connected texts with increased understanding. Attention to skimming and scanning as well as paraphrasing and summarizing short texts. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18.* '

ESLS 24 Pronunciation II Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18.* '

ESLS 25 Intermediate Writing. Learns to write paragraphs with a topic sentence, supporting details, and concluding statement. Writes on a variety of topics. Prerequisite: Co-registration with ESLS 026. Each semester. 3 semester hours. * *Course Repeatable. Maximum number of units allowed 27.* '

ESLS 26 Grammar II Lab. Workshop oriented course that emphasizes the formal properties of the English language. Identifies and develops a greater control of the students' grammar needs. Areas of focus include: present, past, future, and perfect tenses; noun phrases; adjectives clauses and adjective phrases; comparisons; modals; gerunds and infinitives. Practices error correction and TOEFL tests. Each semester. 1 semester hour. *Course Repeatable. Maximum number of units allowed 9.* '

ESLS 27 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27.* '

ESLS 30 Advanced Listening. Uses authentic listening sources to develop the ability to listen to general, academic information and improve note-taking skills. Students will attend a lecture in their field of study. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18.* '

ESLS 31 Advanced Reading. Reads authentic academic and literary texts. Focus on critical reading skills such as recognizing bias and assessing the validity of written material. Improves skimming and scanning techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18.* '



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ESLS 32 Intermediate Oral Communication. Practices interaction through collaborative grouping; conduct interviews, interviews, make cultural comparisons, and gives short oral presentations. Prerequisite: Co-registration with ESLS 024. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 33 Advanced Oral Communication. Participates fully in discussions and present ideas on complex topics. Prepares formal presentations making full use of support technology. Prerequisite: Co-registration with ESLS 034. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 34 Pronunciation III Workshop. Workshop oriented course to develop speech clarity with emphasis on phonetic alphabet identifying, distinguishing, producing, and contrasting correct sounds, stress, intonation, and rhythm. Learns various accent reduction techniques. Each semester. 2 semester hours. *Course Repeatable. Maximum number of units allowed 18. '*

ESLS 35 Advanced Writing. Focuses on writing as a process. Writes cohesive works in various patterns of essay organization. Prerequisite: Co-registration with ESLS 036. Each semester. 3 semester hours. *Course Repeatable. Maximum number of units allowed 6. '*

ESLS 36 Grammar III Lab. Workshop oriented courses that emphasizes the formal properties of the English language. Identifies and improves on students' grammar needs. Areas of focus include: present, past, future, and perfect tenses; noun phrases and clauses; adjective clauses and adjective phrases; gerunds and infinitives; modals; passives; conditionals; adverb clauses and phrases; connecting ideas. Practices error correction and TOEFL tests. Each semester. 1 semester hour. * *Course Repeatable. Maximum number of units allowed 9. '*

ESLS 37 Individualized Instruction. A personalized program of study designed to satisfy individual, academic or professional goals. Emphasis may be placed on one or more language modalities. Open to the beginning, intermediate, and advanced- level student. Each semester. 1-3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 27. '*

ESLS 100 College Conference Writing. This bridge course introduces and develops college-level; writing as a writing process. Improves on developing and supporting a thesis in a variety of organized essays including a research paper. Emphasizes self and peer editing, and strategies for essay exams. Each semester. 3 semester hours. *Course Repeatable. Maximum number of units allowed 27. '*

Finance +

FINA 220 Personal Financial Planning. An introduction to personal financial planning. Topics covered include: time value of money, tax planning, cash management, credit cards, purchase of home, auto and health insurance, retirement and estate planning. Spring semester. 3 semester hours. Business/Economics Core Elect

FINA 300 Managerial Finance. An analysis of the functions of financial management in the decision-making process of the firm. Fall and Spring semesters. Prerequisite: ACCT 112, Math 115 3 semester hours. *

FINA 310 Money and Financial Markets. Study of money, the banking system, monetary theories, and relation of the monetary system to national income, employment, and price levels. Prerequisite: ECON 101, ECON 102. Fall. 3 semester hours. *

FINA 320 Investments. A framework useful to develop investment policy for individuals and institutions; security evaluation methods and portfolio management strategies are developed. Fall semester. Prerequisite: FINA 300 3 semester hours. *



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FINA 380 Advanced Managerial Finance. A continuation of Managerial Finance with a focus placed upon corporate financial decisions. The case approach is used to analyze various advanced finance-related topics. Spring semester. This is the capstone course for the Finance major. Prerequisite: FINA 300 3 semester hours. *

Fine Arts +

FNAR 100 Art Appreciation. Introduction to the visual arts through lectures, discussions and field trips. Each semester. IAI F2 900. 3 semester hours. Fine Arts/Music Core Elective

FNAR 101 Fundamentals of Design. Emphasizes the knowledge and application of basic design principles of two-dimensional images in representational and abstract forms. Fall. 3 semester hours. Fine Arts/Music Core Elective

FNAR 103 Fundamentals of 3D Design. A beginning studio course. Study of volume, space, texture and other elements of three-dimensional form. Simple constructions and sculpture. Previous experience in art is not necessary. 3 semester hours. *

FNAR 111 Drawing. Fundamental drawing from observation with emphasis on linear perspective and tonal modeling of the still life and human head. Each semester. IAI ART 904. Fee \$30.00 3 semester hours. Fine Arts/Music Core Elective

FNAR 161 Ceramics I. Introduction to various hand-building techniques, decorative methods, firing processes and use of the potter's wheel. IAI ART 912 3 semester hours. *

FNAR 162 Ceramics II. Projects in hand building or throwing, study of glaze materials and glaze calculation. Prerequisite: FNAR-161. 3 semester hours. *

FNAR 202 Black and White Photography. Foundations of photographic theory, shooting, and print developing. 3 semester hours. Fine Arts/Music Core Elective

FNAR 203 Ancient and Medieval Art. Photographic presentations of significant paintings, sculptures and buildings with emphasis on religious concepts. Fall. IAI F2 901; ART 901. 3 semester hours. Fine Arts/Music Core Elective

FNAR 204 Renaissance to Modern Art. Pictorial survey of painting, sculpture and architecture in Western civilization with emphasis on religious concepts. Spring. IAI F2 902; ART 902. 3 semester hours. Fine Arts/Music Core Elective

FNAR 210 Figure Drawing. Introduction to drawing the human figure from observation. Fall, odd years. IAI ART 906. 3 semester hours. *

FNAR 225 Art for Elementary Teachers. A methods and media lecture/studio course for elementary education students in the teaching of art to children from grades K-6. The course will identify art content, art media, and instructional pedagogy for including art at the elementary level. Prerequisite: Enrollment in the Elementary Education program or permission of the instructor. 3 semester hours. *

FNAR 249 Acrylic Painting. An introduction to concepts, materials and techniques of painting in various media. Exploration into color through mixing, relationships and composition. 3 semester hours. *

FNAR 250 Oil Painting. An introductory studio course emphasizing color mixing as it relates to traditional representation. Spring. IAI ART 911. 3 semester hours. Fine Arts/Music Core Elective



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FNAR 291 Topics. Focuses on various topics relating to the needs of the students and recent events and/or topics of interest. Periodically. 3 semester hours. Fine Arts/Music Core Elective

FNAR 292 Black and White Photography. Foundations of photographic theory, shooting, and print developing. 3 semester hours. Fine Arts/Music Core Elective

FNAR 294 Computer Art. Creation of artwork using the computer as medium. 3 semester hours. Fine Arts/Music Core Elective

FNAR 391 Topics. Focuses on various topics relating to the needs of the students and recent events and/or topics of interest. Periodically. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

Health +

HLTH 101 Personal & Community Health. Units on personal health: discussion of disease and its control; fundamentals of physical and emotional health. Units on community health: study of medical services; government agencies and controls; public health services in state and local areas. IAI ECE 901. 3 semester hours. *

Health Science +

HLSC 101 Medical Terminology. A course designed to prepare the student to interpret terminology found in medical literature and patient records. Emphasis placed on pronunciation and definition of medical terms by the study of root words, suffixes and prefixes. Also included are dosages, measurements, common abbreviations, diagnostic tests and selected specialty terms concerning pharmacology, radiology, nuclear medicine and physical therapy. 3 semester hours. *

History +

HIST 111 American History to 1865. Covers the Colonial era, the revolutionary age, internal growth of the Republic, and causes of the Civil War. Fall. IAI H2 904; S2 900; HST 911. 3 semester hours. *

HIST 112 American History since 1865. Covers the industrialization of America; the organization of labor; the development of imperialism; the growth of foreign policy. Spring. IAI H2 905; S2 901; HST 912. 3 semester hours. *

HIST 203 Historiography. Introduction to the methodology and practice of history and to some of the great historians. Includes an emphasis on world history. Prerequisite: HIST 111, HIST 112. 3 semester hours. Writing Intensive

HIST 213 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours. *

HIST 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours. *



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HIST 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. *

HIST 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours. *

HIST 252 19th Century Europe. Covers the political, military, economic, social, and cultural development of Europe from the French Revolution to 1900. 3 semester hours. *

HIST 262 Antebellum America, 1824-1877. This course examines the economic, political and cultural changes in the United States, culminating in the Civil War. The primary focus of the course is slavery and the battle to dismantle the peculiar institution. 3 semester hours. *

HIST 264 America Since World War II. Discusses the impact of World War II, the Cold War, the affluent society, and contemporary society. 3 semester hours. *

HIST 313 Contemporary Latin America, 1898-2000. Beginning with the creation of independent nation states in Latin America, this course will survey the social processes, issues and events that have given rise to contemporary Latin America as well as the impact of Latin America on the wider world. 3 semester hours. *

HIST 391 Topics. Directed readings and research to be used in discussions pertaining to specific topics in European, American or non-Western history. Prerequisite: Social Science or History major, Junior or Senior standing 3 semester hours. *
Writing Intensive Consent Required. '

HIST 397 Internship. Practical experiences in a related career field under the supervision of the History Department. Prerequisite: Department Consent, 3.00 GPA, Social Science or History major 3 semester hours. *Consent Required.* '

Humanities +

HUMN 220 The Mediterranean World. Studies the ancient cultures located around the Mediterranean Sea and the contributions they made to the development of western civilizations to about 500 A.D. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" as reflected in religion, art, philosophy, and social, political, and economic institutions. IAI H9 900. Prerequisite: Social Science or History major 3 semester hours. *

HUMN 230 The Baptism of Europe. Studies the development and Christianization of Europe in the Middle Ages (500-1500 A.D.). Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the theme of "person in community" through social structures (religious, political, economic) and through the interactions and/or conflicts between people and cultures (Eastern and Western Christianity; Christianity, Judaism, Islam). IAI H9 900. 3 semester hours. *



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HUMN 240 Converging Hemispheres. Studies the increasingly global encounter of peoples, ideas, and cultures from the Age of Exploration (from 1400 A.D.) into the Twentieth century. Drawing upon the resources of the Catholic and Benedictine traditions, the course explores the shift in emphasis from "person in community" the values of freedom, equality, and responsibility. Examines the construction of the modern era focusing on scientific revolutions, economic transformation, religious reformations, and revolution, resistance and republicanism. 3 semester hours. *

HUMN 250 The Contemporary World. Drawing upon the resources of the Catholic and Benedictine traditions, this course examines a variety of interpretations of the current world situation in light of the theme "person in community." Have the notions of person and community changed, or are they being changed through current political, economic, cultural and technological challenges? Must have completed over 60 credit hours. 3 semester hours. Writing Intensive

HUMN 291 Topics in Humanities. Special topics offered by visiting lecturers and/or practitioners in the arts and humanities. Content will vary depending on the topic and instructor. 1-3 semester hours. *

International Business +

INTB 300 Introduction to International Business. This course is designed to introduce students to the importance and role of international business. Predominant themes will be culture and business opportunities. Topics include international trade, balance of payments, multinational corporations and the functional areas of international business. (Fall) 3 semester hours. *

INTB 371 International Negotiations. This course aims to introduce students to the theoretical basics of joint problem-solving negotiation, with a particular emphasis on cross-cultural negotiation. As the emphasis here is on learning by doing, students will be lead through a variety of simulations that represent a variety of negotiation settings. (Periodically). 3 semester hours. *

Literature +

LITR 100 Introduction to Literary Analysis. Introduction to literary study and criticism. Focus on genres, techniques and development of literature. Emphasis on critical reading and writing. Introductory course for Literature majors; prerequisite for 300-level Literature courses. Spring. 3 semester hours. *

LITR 108 Critical Reading. This course teaches students to be critical readers and thinkers. They will learn to read and accurately summarize information. They will learn to use textbooks to prepare for classroom lectures and discussions as well as prepare for taking tests. They will increase proficiency in their reading skill, improve vocabulary, and develop versatility in reading rate. They will learn different ways of reading and learning in different disciplinary contexts. 3 semester hours. *

LITR 210 Literature and Film. Selected literary texts and their representation on film; analysis of the relationship between the two genres, and differences between written texts and visual media. Spring, odd years. 3 semester hours. Literature Core Elective

LITR 224 Literature: Short Stories in Fiction. The study of types of short fiction in historic perspective to give the student an understanding of the nature and forms of fictional literature. Prerequisite: WRIT-101 with a grade of "C" or better. IAI H3 901. 3 semester hours. *

LITR 255 American Literature I. Survey of American literature from its Colonial roots, particularly the influence of the Puritans, to its flowering in New England. Counts as pre-1800. Fall. 3 semester hours. Literature Core Elective



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LITR 256 American Literature II. Survey of American literature since the Civil War. Emphasis on development of Realism and Naturalism in the nineteenth century, and modernism in the twentieth. Counts as post-1800. Spring. 3 semester hours. Literature Core Elective

LITR 257 British Literature I. Historical survey of representative British literary texts from the Anglo-Saxon period to 1800, with attention to modes of critical reading and development of important genres. Counts as pre-1800. Fall. IAI H3 912. 3 semester hours. Literature Core Elective

LITR 258 British Literature II. Historical survey of representative British and Anglophone literary texts from 1800 to the present, with attention to the larger cultural context and contemporary modes of literary analysis. Counts as post-1800. Spring. IAI H3 913. 3 semester hours. Literature Core Elective

LITR 263 Literature of the Early Modern Period. Selected literary and cultural texts drawn from the late sixteenth to the eighteenth centuries. Places these texts in the context of emerging modernity. Counts as pre-1800. Spring, odd years. 3 semester hours. Literature Core Elective

LITR 264 Global/Postcolonial Literature and Theory. A comparative study of literature and theory concerning colonial, postcolonial, third world, and diasporic cultures and communities. The course may include such topics as education and the colonial/postcolonial condition; intellectual culture and imperialism; the politics of tourism, identity and diaspora; travel, migration, and globalization; and trauma, genocide, and historical fiction. Counts as diversity elective for majors. Offered spring, odd years. 3 semester hours. Literature Core Elective

LITR 265 Shakespeare. Critical reading of representative comedies, tragedies, and histories. Emphasis on such issues as his dramatic art, critical response, and role in constructions of literary culture. Counts as pre-1800. Spring, even years. IAI H3 905. 3 semester hours. Literature Core Elective

LITR 267 Studies in Poetry. Critical study of selected poetry, with attention to both formal and interpretive issues; theories of poetry as literary genre. Topics will vary. Spring, even years. IAI H3 903; EGL 915. 3 semester hours. Writing Intensive

LITR 268 Studies in Drama. Critical study of selected dramatic literature from a range of cultures and periods; theories of drama as literary genre. Topics will vary. Fall, odd years. IAI EGL 916. 3 semester hours. Writing Intensive

LITR 269 Introduction to Creative Writing. Writing workshop for students; introduction to various forms of modern fiction and poetry. Students will have the opportunity to create original poetry and fiction. Applicable as Fine Arts Core Elective. Fall, odd years. 3 semester hours. Fine Arts/Music Core Elective

LITR 279 U. S. Multiethnic Literature. A comparative study of literature reflecting the diversity of American culture. In our exploration of just a sampling of the multiple voices of U. S. literature, we will consider these narratives within specific historical, cultural, rhetorical, and literary contexts. Counts as diversity elective for majors. Fall, even years. IAI H3 910D; EGL 918. 3 semester hours. Literature Core Elective

LITR 280 African-American Literature. Historical and critical exploration of African-American writers' contributions to American fiction, poetry, drama, and non-fiction, from the oral tradition to the present. May include an Afrocentric approach. Counts as diversity elective for majors. Spring, even years. 3 semester hours. Literature Core Elective



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LITR 281 Gender and Literature. Introduction to gender studies as a mode of literary analysis, and to the role of literary texts in shaping gender constructions. Counts as diversity elective for majors. Fall, even years. IAI H3 911D. 3 semester hours. Literature Core Elective

LITR 291 Topics in Literature. Intermediate-level study of authors, themes, movements, and genres; attention to historical context. Sample topics: American Renaissance, Nineteenth-Century British Women Writers, Gothic, Science Fiction, Lyric. Periodically. 3 semester hours. Literature Core Elective *Course Repeatable. Maximum number of units allowed 99.* '

LITR 307 Modern English Language. Study of traditional, structuralist, and transformational theories of grammar and language, with attention to practical applications for language instruction. Includes introduction to contemporary linguistic theory. Fall, even years. Prerequisite: LITR 100. 3 semester hours. *

LITR 357 The Nineteenth Century. Advanced study of nineteenth-century fiction, poetry, and/or drama. Topics may include Victorian literature, the nineteenth-century novel, and Romanticism. Counts as post-1800. Spring, odd years. Prerequisite: LITR 100. 3 semester hours. *

LITR 362 Modern Literature. Examines the evolution of poetic and narrative forms since the late nineteenth century. Emphasis on major British and/or American poets and novelists; may also include translated works from other cultures. Counts as post-1800. Spring, even years. Prerequisite: LITR 100. 3 semester hours. *

LITR 369 Creative Writing: Fiction. Advanced writing workshop with focus on writing and revision of fiction: includes group discussions and individual conferences. Students will produce a professional portfolio of fiction. Fall, even years. Prerequisite: LITR 269. 3 semester hours. *

LITR 370 Creative Writing: Poetry. Advanced writing workshop with focus on writing and revision of poetry: includes group discussions and individual conferences. Students will produce a professional portfolio of poetry. Spring, even years. Prerequisite: LITR 269. 3 semester hours. *

LITR 385 Major Authors and Genres. Detailed study of major writers and/or literary genres. Authors to be studied may include such figures as Jane Austen, Toni Morrison, Geoffrey Chaucer, or Zora Neale Hurston; genres to be studied may include the history of drama and the rise of the novel. Fall, odd years. 3 semester hours. *

LITR 391 Advanced Topics in Literature. Advanced study of authors, themes, movements, and genres; attention to historical context. Sample topics: Literature and the Environment, Women Writers of Color, Satire, focused study of major author. Periodically. Prerequisite: LITR 100. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

LITR 395 Independent Study. Students with interest in independent study of topics not offered in the curriculum may propose a plan of study in conjunction with a faculty member. Approval based on academic appropriateness and availability of resources. Prerequisite: LITR 100 and junior or senior standing. 3 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 99.* '

Management & Organizational Behavior +

MGT 100 Introduction to Business Studies. This course is an introductory course for adult students pursuing an Associates Degree. Topics include program planning, group interaction, written and oral communication skills, research skills, personality inventory, and other items. 1 semester hour. *



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MGT 150 Business Statistics I. Basic course in statistical technique; includes measures of central tendency, variability, probability theory, sampling, estimation, and hypothesis testing. IAI M1 902; BUS 901. Fall semesters. Prerequisite: Math 105 or Math 110 3 semester hours. *

MGT 205 Introduction to Sports Culture in America. This course introduces students to the business side of sports in America. It provides an overview for the opportunities in the sports and leisure industry. The course emphasizes critical thinking skills. Topics covered include ethics, social concerns and the economic impact of sports and leisure upon America. 3 semester hours. *

MGT 235 Business Law I. Introduction to the role of the legal system in our society with an emphasis on the law of contracts, sales, and agency. 3 semester hours. *

MGT 237 Business Communications. Theory and practice of communication within and between business organizations of all types. Focus on the training for and development of entry-level skills in communication and its related technology. 1-3 semester hours. Writing Intensive *Consent Required.* '

MGT 251 Business Statistics II. Covers: Regression and correlation, analysis of variance, and nonparametric statistics. Spring semester. Prerequisite: MGT 150 3 semester hours. *

MGT 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

MGT 300 Management. Fundamental principles and practices of the corporate enterprise are utilized to consider planning, organizing, implementing and controlling in management. Fall and Spring semesters. Prerequisite: Sophomore standing 3 semester hours. Writing Intensive

MGT 301 Entrepreneurship. Application of business principles to planning, organizing and operating the entrepreneurial enterprise. 3 semester hours. *

MGT 302 International Management. Study of the dynamics involved in international business management. Explores key issues such as political, legal and labor environments, strategic planning and organizational design. Emphasis is placed on the role of managers and others in successful international operations. (Spring) 3 semester hours. *

MGT 303 Management Labor Relations. The course focuses on the evolution of employer-employee relations in union and non-union organizations. The emphasis is on union, governmental and workplace policies and practices, history, functions, forecasted changes relating to labor and management in both public and private sector. 3 semester hours. *

MGT 305 Introduction to Sports Culture in America. This course introduces students to the business side of sports in America. It provides an overview for the opportunities in the sports and leisure industry. The course emphasizes critical thinking skills. Topics covered include ethics, social concerns and the economic impact of sports and leisure upon America. 3 semester hours. *

MGT 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours. *



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MGT 323 Group Processes. Provides the basic theory necessary to understand the components of the group process. The course gives the opportunity to participate in functioning groups for decision making and to practice newly developed skills in class groups. 3 semester hours. *

MGT 330 Human Resource Management. Relationship of internal and external labor market concepts to organizational manpower planning. 3 semester hours. *

MGT 333 Operations Management. A study of theory, principles and computational procedures as applied to such areas as strategic planning, forecasting, capacity planning, productivity and quality control. 3 semester hours. *

MGT 347 Project Management. The art and science of project management as applied to a variety of business and technology settings. Discusses how to initiate, plan, execute and control, and close projects, within budget and on schedule. Includes management of project scope, time, cost, quality, human resources, communications, and risks. A project planning software tool is utilized, usually MS Project. Spring. Prerequisite: Junior or Senior Standing. 3 semester hours. *

MGT 380 Strategic Management. Management capstone course enabling business students to use the disciplines and techniques learned throughout their program of study. Case studies stress the importance of basing management decisions on a strategic view of organizations. Fall and Spring semesters. Prerequisite: senior standing, FINA 300, MGT 300 MKTG 300 3 semester hours. *

MGT 391 Topics. Specially designed courses in various business topics to supplement the business curriculum. Prerequisite: Varies based upon the specific topic being explored. 1-3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

MGT 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.* '

Marketing +

MKTG 297 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 12.* '

MKTG 300 Marketing. An investigation of the basic principles of marketing, with an emphasis on the practical application of those principles to formulate marketing plans that will deliver value to customers and meet the goals of the organization. Fall and Spring semesters. Pre-requisite: Sophomore standing 3 semester hours. *

MKTG 305 Sports Marketing. A case study approach will be used to explore and analyze situations that pertain to sports marketing. Spring. Pre-Requisite: Mktg 300 3 semester hours. *

MKTG 310 Consumer Behavior. A study of consumers' needs, wants, and behavior in the marketplace as a basis for the formulation of marketing strategy. Spring semester. Prerequisite: Sophomore standing. 3 semester hours. Business/Economics Core Elect



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MKTG 330 Promotional Strategy. An integrated marketing communications (IMC) approach to the study of the strategies organizations use to promote their products and services. The course goes beyond the traditional study of advertising, sales promotion, personal selling, direct marketing, and public relations to show how all four elements of the marketing mix--product, price, promotion, and distribution--must blend together to present a unified message to customers. Fall semester. Prerequisite: MKTG 300 3 semester hours. *

MKTG 360 Marketing Research. This course presents the principles of marketing research primarily from the perspective of the users of that research, with a focus on the practical and applied aspects of the subject. Emphasis will be placed on how marketing researchers apply the various concepts and techniques, as well as how business decision makers implement the findings to improve marketing practices. Topics covered will include research design, sampling techniques, questionnaire design, measurement and scaling, data collection and analysis, and report preparation. Fall semester. Prerequisite: MKTG 300, MGT 150, Junior standing 3 semester hours. *

MKTG 380 Marketing Strategy. A comprehensive study of major topics in strategic marketing, the components of a marketing plan, and financial analysis for marketing management. Case studies are used as the approach for utilizing marketing concepts and practices to analyze marketing problems in a wide variety of industry settings and to develop marketing strategies based on those analyses. Spring semester. Prerequisite: MKTG 300, Senior standing 3 semester hours. *

MKTG 397 Internship. Practical experiences in business related fields under the supervision of the program coordinator. Prerequisite: Consent of internship faculty coordinator. 2-6 semester hours. *Consent Required.* '

Mathematics +

MATH 85 Developmental Mathematics. Intended for the student who is not adequately prepared to pursue college-level math courses. Topics to be covered include operations with real numbers, using basic laws of algebra and fundamentals of geometry. 3 semester hours. *

MATH 95 Intermediate Algebra. Topics include real numbers, linear equations, exponent, polynomials, rational expressions, radicals, and quadratic equations. Each semester. Prerequisite: Placement exam. 3 semester hours. *

MATH 104 Advanced Business Mathematics. (Adult AABA Program.) This course is designed to provide the student with a good understanding of proper problem-solving techniques; simplifying algebraic expressions; solving first-degree equations; the properties of lines, graphs and functions; modeling and analysis of functions; and solving finance problems. The TI-83 Plus graphing calculator is used throughout the course. 3 semester hours. *

MATH 105 Finite Mathematics. A survey of algebra, functions, graphs, and linear equations as applied to problems in economics and business. Topics include mathematics of finance, linear, polynomial, exponential, and logarithmic functions. Credit will not be granted for both MATH 105 or MATH 110. Each semester. Prerequisite: Placement exam or at least a "C" in MATH 095. 3 semester hours. Quantitative Reasoning

MATH 108 Quantitative Reasoning. Develops conceptual understanding and computational skills in unit analysis, uses of percentages, and dealing with quantities and their magnitudes. Includes formulas of finance for simple interest, compound interest and loan payments; functions and their graphs; linear equations; exponential growth and decay; principles of counting; fundamentals of probability; and estimation and approximation techniques to judge the reasonableness of answers. Also includes representing and analyzing data using statistical tools such as histograms; measures of central tendency; variance and standard deviation; linear regression and scatter plots; normal distributions; and margin of error and confidence intervals. Each Semester. IAI M1 904. Prerequisite: Placement exam or at least a "C" in MATH 095. 3 semester hours. Quantitative Reasoning



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MATH 110 College Algebra. Topics include equations, inequalities, functions, graphs, polynomial and rational functions, exponential & logarithmic functions, equations, and systems of equations and inequalities. Credit will not be granted for both MATH 105 and MATH 110. Each semester. Prerequisite: Placement exam or at least a “C” in MATH 095. 3 semester hours. * Quantitative Reasoning

MATH 111 College Trigonometry. General study of the trigonometric functions and their graphs, trig identities, and equations, inverse trig functions, applications of trigonometry, vectors, polar coordinates, and parametric equations. Each semester. IAI MTM 901. Prerequisite: Placement exam or at least a “C” in MATH 105 or MATH 110. 3 semester hours. 3 semester hours. *

MATH 112 Mathematics for Elementary Teachers I. This course explores the mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include mathematical thinking, problem solving, sets, representations of functions, numeration, standard and non-standard arithmetic algorithms, mental arithmetic and estimation, number theory, integers, fractions and rational numbers, decimals, and real numbers. Graphing calculators and manipulatives are used throughout the course. This course is required for elementary education majors. Fall. Prerequisite: MATH 095 or placement exam. Natural Sciences core elective. 4 semester hours. Quantitative Reasoning

MATH 115 Business Calculus. A survey of mathematical techniques used in the managerial, social and life sciences. Topics include systems of linear equations and matrices, linear programming, differential calculus, and applications of the derivative. Each semester. Prerequisite: At least a “C” in MATH 110 or MATH 105, or placement exam. 3 semester hours. * Natural Sciences Core Elective

MATH 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. *

MATH 210 Calculus with Analytics I. Topics include differentiation, and antidifferentiation of algebraic, trigonometric and transcendental function, the fundamental theorem of calculus, applied problems on maxima and minima, plane analytic geometry, and simple differential equations. The computer algebra system Maple will be used to illustrate calculus concepts. Credit will not be granted for both MATH 200 and MATH 210. Each semester. IAI M1 900-1; EGR 901; MTH 901. Prerequisite: Placement exam. Co-requisite: Co-registration in MATH-207. 4 semester hours. Natural Sciences Core Elective

MATH 211 Calculus with Analytics II. Topics include applications of the definite integral, methods of integration, sequences and series and numeric integration. The computer algebra system Maple will be used to illustrate calculus concepts. IAI M1 900-2; EGR 902; MTH 902. Each semester. Prerequisite: At least “C” in MATH 200, MATH 205, MATH 210 or MATH 220. 4 semester hours. Natural Sciences Core Elective

MATH 212 Calculus with Analytics III. Topics include solid analytic geometry and vectors, partial differentiation, multiple integrals and vector calculus. The computer algebra system Maple will be used to illustrate calculus concepts. Each semester. IAI M1 900-3; EGR 903; MTH 903. Prerequisite: At least “C” in MATH 206, MATH 211 or MATH 221. 4 semester hours. Natural Sciences Core Elective



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MATH 222 Mathematics for Elementary Teachers II. This course is a continuation of MATH 112. This course explores additional mathematical content of elementary school mathematics from the perspective of future elementary school teachers. Topics include proportional reasoning, percents, basic concepts of geometry, two- and three-dimensional geometric figures, transformational geometry, coordinate geometry, symmetry, tessellations, similarity, and direct and indirect measurement. Graphing calculators, manipulatives, and, dynamic geometry software are used throughout the course. This course is required for elementary education majors. Spring. MATH 112 and MATH 222 together satisfy IAI M1 903. Prerequisite: MATH 112. 4 semester hours. Natural Sciences Core Elective

MATH 260 Differential Equations. Includes an introduction to 1st and 2nd order ordinary differential equations with an emphasis on linear equations and techniques to solve them, applied problems in various fields, the Laplace transform, a brief introduction to chaos theory, systems of 1st order linear equations and power series solutions 2nd order linear ODEs. Spring. IAI EGR 904; MTH 912. Prerequisite: Credit or co-registration in MATH 212. 4 semester hours. Writing Intensive

MATH 395 Independent Study. Designed to encourage superior students to continue the study of mathematics beyond the scope of undergraduate course offerings, through guided independent study. Prerequisite: Consent of instructor. 1-3 semester hours. *Consent Required.*

Music +

MUSI 104 Music Appreciation. This course explores the history of Western Classical Music by focusing on each of its eras. It also offers access to various ways to listen to music and how to take full advantage of concert attendance. Provides detailed explanations and sound demonstrations of the basic musical elements and performing media. Periodically. IAI F1 900. 3 semester hours. Fine Arts/Music Core Elective

Natural Sciences +

NTSC 102 Physical Geography with Lab. An approach to the physical environment including land-forms, soil, vegetation, weather, survey of world climatic patterns and environmental conservation. (Three lecture hours and one three-hour weekly laboratory). IAI P1 909L. 4 semester hours. *

NTSC 103 Physical Science I with Lab. Gives the basic principles of physics and astronomy. Designed to give the non-science major and the education major an appreciation of the physical universe as well as some of the basic physical principles that govern the universe. A historical perspective of contemporary science is also included. Prerequisite: one year of high school algebra. (Three lecture hours and one three-hour laboratory weekly). Periodically. IAI P9 900L. 4 semester hours. *

NTSC 104 Physical Science II. Gives the basic principles of chemistry and earth sciences. Designed to give the non-science major and the education major an appreciation of the physical universe as well as some of the basic principles, which govern the universe. A historical perspective of contemporary science is also included. Prerequisite: one year of high school algebra. (Three lecture hours). IAI P9 900. 3 semester hours. *

NTSC 105 Introduction to Forensic Science. An introductory course to the field of forensic science, with emphasis on the various disciplines within forensic science and the role of the crime laboratory in the criminal justice system. Prerequisite: one year each of high school biology and chemistry or equivalent. IAI LP 900. 3 semester hours. *

Nursing and Health +

NRHL 200 Nursing Transitions. Introduces the philosophy and concepts of baccalaureate nursing. Emphasis is placed on the nursing process and supporting theories. 3 semester hours. *



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NRHL 213 Health Aspects of Aging. Studies the normal aging process in American society. Emphasizes health maintenance in normal aging, and availability of, and access to, health resources. 3 semester hours. Life Science Core Elective

NRHL 250 Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For nursing majors. 3 semester hours. *

NRHL 290 Health Assessment. Presents the theory and process of health assessment. Focuses on history, physical examination, screening tests, and resultant nursing diagnoses. Clinical Lab provides for application of skills. 3 semester hours. *

NRHL 295 Research. Explores the research process as it applies to nursing and health care. Emphasis is placed on analysis and critique of research studies. 3 semester hours. *

NRHL 300 Transforming Care. Uses a caring framework and emphasizes non-traditional approaches appropriate to the care of clients with acute or chronic complex health problems 3 semester hours. *

NRHL 301 Family Health Nursing. Provides students with a foundation in the concepts/theories of family health care nursing. Selected clinical experiences emphasize application of family nursing principles. 4 semester hours. Writing Intensive

NRHL 311 Community Health Nursing. Explores the physical, social, economic and environmental factors which affect the health of a community. Selected field experiences emphasize applying nursing process to population groups and communities. 3 semester hours. *

NRHL 320 Health Systems. Overview of the history, basic structures and operations of public health and health care delivery systems. Cross listed with MPH 602 (Health Systems). 3 semester hours. *

NRHL 378 Management. Introduces the functions and principles of management. Emphasis is on current issues impacting leadership and management within nursing practice. 3 semester hours. *

NRHL 395 Nursing Elective. Guides independent study in theoretical or clinical aspects of nursing. 1-4 semester hours. *

Nutrition +

NUTR 100 Impact of Nutrition. For non-majors. An introduction to nutrients; cultural, socioeconomic, and other influences on nutrition intake; impact of nutrition on health status; and issues of hunger and malnutrition. Each Semester. IAI L1 904. 3 semester hours. Life Science Core Elective

Philosophy +

PHIL 110 Introduction to Philosophy. An introduction to some of the main philosophical problems of traditional Western thought, including ethics, metaphysics, epistemology and the philosophy of religion. IAI H4 900. 3 semester hours. *
Philosophy Core Elective

PHIL 245 General Ethics. Investigation of ethical questions pertaining to health and medicine. Basic ethical theory is examined as it applies to selected issues and cases. Recommended for majors in the health sciences and related fields. Each semester. 3 semester hours. Philosophy Core Elective *Course Repeatable. Maximum number of units allowed 3. '*



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PHIL 249 General Ethics for the Professional. Investigation of ethical concepts and theories and an analysis of the norms of ethical decision and the relationship of these to professionals in all fields. It provides a solid foundation in moral theory, recast in light of postmodern critiques of moral philosophy, together with diverse applications to help students understand the philosophical complexity of ethical challenges that arise for professionals in all types of work and can help students from all disciplines better understand how to resolve ethical challenges in the modern workplace. Fall and Spring. 3 semester hours. *
Philosophy Core Elective

PHIL 250 Business Ethics. Introduction to moral philosophy and its interrelationships with economic theory and business. Fall. 3 semester hours. Philosophy Core Elective

Physical Education +

PHED 257 Wellness. Concepts and applications of cardiovascular fitness, nutrition and weight management, stress management life-style management, and substance abuse. Emphasis is on the interactive nature of these health-related components, on being an informed consumer, and on the development and implementation of a personal wellness program. Satisfies teaching certification Health/Physical Education requirement. 2 semester hours. *

Physics +

PHYS 102 Basic Physics with Lab. A one-semester survey course for students requiring a conceptual knowledge of the physical laws of nature. Topics will be selected from mechanics, thermodynamics, fluids, kinetic theory and modern physics. Prerequisite: MATH-095. (Three lecture hours and one two-hour laboratory weekly). 4 semester hours. *

PHYS 112 College Physics I with lab. General physics is an algebra-based introductory physics course. It introduces the student to some of the principles of physics and shows how they relate to everyday life. The topics covered are mechanics, thermodynamics and fluid dynamics. Prerequisite: MATH 111. (Three lecture hours and one three-hour laboratory weekly). IAI P1 901L; IAI BIO 903. Cannot earn credit in PHYS 112 and PHYS 113/114. 4 semester hours. *

PHYS 117 College Physics II with Lab. This course is a continuation of PHYS-200. The topics covered are wave motion, sound, acoustics, light, optics; electricity and magnetism, electric field, magnetic field, motion of a charged particle, simple circuits; modern physics, wave-particle duality, uncertainty principle, atomic theory, nuclei and particles. Prerequisite: PHYS-200. (Three lecture hours and one three-hour laboratory weekly). IAI BIO 904. Cannot earn credit in PHYS 117 and PHYS 118/119. 4 semester hours. *

PHYS 200 University Physics I with Lab. This course is fundamental for work in advanced physics, engineering, chemistry, and application of mathematics and computer sciences. Topics cover mechanics, thermodynamics, fluid mechanics and other related topics with the use of calculus. Prerequisite: MATH 210. (Three lecture hours and one three-hour laboratory weekly). Cannot earn credit in PHYS 200 and PHYS 205/211. 4 semester hours. *

PHYS 204 University Physics II with Lab. This course is fundamental for work in advanced physics, engineering, chemistry, and application of mathematics and computer sciences with the use of calculus. Topics cover waves, electricity and magnetism, optics, and modern physics with the use of calculus. Prerequisite: PHYS 200. (Three lecture hours and one three-hour laboratory weekly). Cannot earn credit in PHYS 204 and PHYS 206/212. 4 semester hours. *

Political Science +



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PLSC 102 American Government. Satisfies both the U.S. and Il., Constitution requirements for teacher certification. IAI S5 900. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 105 Law and Politics. An analysis of law, justice, rights, court procedures, and legislation. The development of various concepts of law and individual and group rights. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 201 State and Local Government. The inter-relationships between national, state, county, and local governments. (Satisfies the Illinois Constitution requirement for teacher certification.) IAI S5 902. 3 semester hours. *

PLSC 210 Introduction to International Relations. Analysis of the processes of interaction among nations and groups of nations within the international political system. IAI S5 904N. 3 semester hours. Anthropology/Poli Sci Core Ele

PLSC 230 US Constitutional Law I. A study of the Constitution as a living and changing document underlying our entire system of government; the role played by the judiciary in developing Constitutional law. Prerequisite: PLSC 102 or PLSC 105. 3 semester hours. *

PLSC 255 Environmental Politics. The politics of environmental protection and regulation in the United States and selected other states. Prerequisite: PLSC 102 or Environmental Science Major. 3 semester hours. *

Psychology +

PSYC 100 Survey of Psychology. Overview of the field; principles and general methodology; concepts, theories and research, applicability to modern living. Each semester. IAI S6 900. 3 semester hours. Psychology/Sociology Core Elec

PSYC 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. *

PSYC 200 Childhood and Adolescence. Behavioral and social analysis of human development from birth through adolescence. Annually. IAI S6 904. Prerequisite: PSYC 100 3 semester hours. *

PSYC 201 Growth and Development. A study of the physical, psychosocial, and cognitive growth and development characteristics of the individual across the life span from before birth to death. Some focus is given to the common problems of each stage of development. Cannot earn credit in PSYC 201 and PSYC 200 or PSYC 202. 3 semester hours. *

PSYC 202 Adulthood and Aging. Biopsychological, psychosexual and social cognitive development from young adulthood through aging, to dying and death. IAI S6 905. Annually. Prerequisite: PSYC 100 3 semester hours. *

PSYC 204 Survey of Exceptional Children. Discussion of atypical development: characteristics of persons labeled as having mental retardation, learning disabilities, behavioral disabilities, sensory deficits, speech disorders and health/physical challenges. Diagnosis, referral, educational strategies and legal implications are reviewed. Each semester. Cross referenced with PSYC 204. IAI ECE 913; IAI SED 904. 3 semester hours. *

PSYC 210 Social Psychology. How social influences affect the individual and group. Attitudes, attribution and prejudice. Each semester. IAI S8 900. PSYC 210 and SOCL 210 are cross-listed. 3 semester hours. Psychology/Sociology Core Elec

PSYC 220 Personality. Theories of personality; process and analysis of personality development and adjustment and discussion of the influence of theories on the practice of psychotherapy. Fall. Prerequisite: PSYC 100. 3 semester hours. *



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PSYC 241 Educational Psychology. Survey of theories of classroom learning processes including human growth and development, evaluation, the exceptional child and the disadvantaged child. Emphasis also on the developmental characteristics and nature and needs of the early adolescent. Cross-referenced with PSYC 241. Each semester. IAI SED 902. 3 semester hours. *

PSYC 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours. *

PSYC 250 Basic and Applied Statistics. Acquaints students with descriptive statistical techniques (including measures of central tendency and variability, correlation, regression and large and small sample estimation) as well as inferential statistical procedures (t, z and ANOVA designs, nonparametric tests and multiple regression). Focus will be on how these statistical procedures can be directly applied to real-life situations. Weekend format only. Annually. Prerequisite: MATH 108 or Math 110. 3 semester hours. *

PSYC 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours. *

PSYC 291 Selected Topics. Relevant to the needs and interests of the psychology major. Periodically. 3 semester hours. *
Course Repeatable. Maximum number of units allowed 99. '

PSYC 292 Psychology of Horror Films. Carl Jung's archetypal theory will be applied to horror films (from silent to contemporary) to better understand why people are drawn to this genre. Summer. Prerequisite: PSYC 100. 3 semester hours. *

PSYC 300 Abnormal Psychology. Dynamics of personality disorders, etiology, diagnosis, treatment and prognosis in neurotic and psychotic behavioral disorders. Discussion of case studies. Each semester. Prerequisite: PSYC 100 and Junior/Senior status. 3 semester hours. *

PSYC 302 Psychotherapy. Survey of theories and techniques of individual and group psychotherapies. Concepts and methods of evaluating therapeutic interventions. Fall. Prerequisite: PSYC 300. 3 semester hours. *

PSYC 310 Social, Psychological and Cultural Aspects of Aging. This course examines social, psychological and cultural aspects that impact the aging process. An analysis of the individual and society, explorations of changes in roles and status, intergenerational relationships, sociocultural differences and intrapsychic dynamics will be explored. Fall. 3 semester hours. *

PSYC 314 Learning and Cognition. Lecture course on principles, theories, concepts and experimental literature in learning and cognition, with emphasis on human learning in educational settings. Periodically. Pre-req: PSYC 100, PSYC 251. 3 semester hours. *

PSYC 315 Learning and Cognition Lab. Utilizes a series of computer simulation / experimental techniques to illustrate recall difference in attention, learning and memory. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 314. 1 semester hour. *

PSYC 316 Sensation and Perception. Lecture analysis of the role of the senses in appreciating the external world; mechanisms of sensation and perception; introduction to psychophysical measurement of thresholds and signal detection theory. Periodically. Prerequisite: PSYC 100, PSYC 251. 3 semester hours. *



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PSYC 317 Sensation and Perception Lab. Utilizes a series of computer simulation / experimental techniques to illustrate how we perceive information as a function of the senses, threshold detection and other measures are employed. Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 316. 1 semester hour. *

PSYC 318 Physiological Psychology. Lecture relating neurophysiological correlates of human and animal behavior, emphasizing motivation, emotion, learning and memory processes. Annually. Prerequisite: PSYC 100 and Junior or Senior standing. 3 semester hours. *

PSYC 319 Physiological Psychology Lab. Utilizes a series of computer simulation / experimental techniques to illustrate important physiological mechanisms(e.g., visual and auditory processing). Lab reports in APA Style are required. Prerequisite: Co-registered in PSYC 318. 1 semester hour. *

PSYC 320 Organizational Behavior. Overview of organizational structures and group dynamics. Examines job satisfaction, motivation, performance evaluation, decision-making and goal setting. Each semester. 3 semester hours. *

PSYC 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive

PSYC 356 Clinical Practicum/Lab. Focus is on teaching interpersonal and primary-level skills of empathy, listening, and interviewing to the introductory-level helping professional. Each semester. Prerequisite: Junior or Senior in PSYC/SOCL program. 4 semester hours. *

PSYC 358 Group Dynamics Lab. A process-experimental course in how to conduct training in interpersonal skills and how to engage in organizational development activities. Weekend format only. Annually. 4 semester hours. *

PSYC 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. *

PSYC 373 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. *

PSYC 391 Topics. Relevant topics according to the needs and interests of psychology majors. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99. '*

PSYC 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. *
Consent Required. '

PSYC 397 Psychology Field Placement. Supervised instruction in an on- or off-campus setting related to student's interest in psychology. Each semester. Prerequisite: PSYC-356, and a G.P.A. of 2.5 or better, Consent of department chair and field placement director prior to the 10th week of the semester preceding the field placement. 3-6 semester hours. *Consent Required. Course Repeatable. Maximum number of units allowed 6. '*



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RELS 130 Western Religious Traditions. An historical survey of Judaism, Christianity, and Islam. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 140 World Religions. An introduction to the religious teachings and practices of the major monotheistic and polytheistic religions of the world and their cultural impact. Periodically. 3 semester hours. Religious Studies Core Elect

RELS 150 Introduction to the Bible I. A reading of selections from the Christian Bible designed to deal with the historical background, literary composition, and general content of the books of the Hebrew Bible and the New Testament. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect

RELS 155 New Testament. A reading of the New Testament designed to treat the historical background, literary composition, and theological meaning of the text. Periodically. IAI H5 901. 3 semester hours. Religious Studies Core Elect

RELS 230 Judaism. Introduction to the main beliefs and practices of Judaism and the history of the Jewish people. The Herbert Portes Scholar in Residence Course in Judaism. Spring. 3 semester hours. Religious Studies Core Elect

Sociology +

SOCL 100 Principles of Sociology. Fundamental concepts in the scientific study of human society, culture and personality, with special study of the social organization of groups and institutions. Each semester. IAI S7 900. 3 semester hours. * Psychology/Sociology Core Elec

SOCL 150 Introduction to Statistics. Basic course in statistical techniques which includes measures of central tendency, probability, sampling, estimation and hypothesis testing. For non-business majors. Each semester. IAI M1 902. Prerequisite: MATH 105 or MATH 110. 3 semester hours. *

SOCL 205 Racial and Ethnic Groups. The nature of prejudice. Studies of ethnic relations in America and other societies. Spring. IAI S7 903D. 3 semester hours. *

SOCL 220 Community Studies. Examination of selected works on urban, suburban, and rural communities; their social structures, institutions, and patterns of human relationships. Human Ecology, change, and future projections. 3 semester hours. *

SOCL 234 Sociology of Sport. Examines social and cultural factors affecting organized sport, including gender, race, the role of money and media coverage in athletics, and the importance of athletics to small communities. 3 semester hours. *

SOCL 235 Sociology of Popular Culture. Studies the role of popular culture in communicating ideas about society, including deviance, gender, social class, and race. Examples that will be studied include films, tattoos and body piercing, and myths, legends, and popular fiction. 3 semester hours. *

SOCL 240 Social Problems. Effects of social change, disorganization and value conflict on family life, mental health, ethnic relations, crime and delinquency, related topics. Spring. IAI S7 901. Prerequisite: SOCL 100. 3 semester hours. *

SOCL 245 Alcohol Problems and Alcoholism. Introductory course regarding the effects of alcoholism on the individual, family and society. Examines concerns related to the identification, treatment and prevention of alcoholism in the United States. Annually. 3 semester hours. *



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SOCL 251 Statistics II. ANOVA designs, correlation, regression, non-parametric tests, survey and experimental research techniques, social and behavioral measurements and multivariate analysis. Each semester. Prerequisite: PSYC 150 or SOCL 150 or CJUS 150. Fee: \$35 3 semester hours. *

SOCL 260 Introduction to Criminal Justice. Examination of the criminal justice system: police, courts and corrections. Analysis of functions, jurisdiction, operation and relationships. Annually. IAI CRJ 901. 3 semester hours. *

SOCL 265 Introduction to Social Work. Values and history that underlie social work issues; discussion of the profession of social work and its concern with human welfare areas and field of service. Fall. 3 semester hours. *

SOCL 270 Marriage and the Family. Family system and its changing relationships to contemporary society. Structures, value orientation and personality patterns, role and status interrelationships. Annually. IAI S7 902. Prerequisite: SOCL 100. 3 semester hours. *

SOCL 290 Social and Cultural Change. Analysis of large scale historical change, the succession of types of societies and the emergence of the contemporary world. Evolution of social institutions (the family, religion) and speculation about significant future change. Annually. 3 semester hours. *

SOCL 291 Selected Topics in Sociology. According to the interests of the sociology majors. Periodically. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* *

SOCL 301 Social Welfare Services. Survey of social work agencies. Application of social systems to public and voluntary social welfare services. Annually. Prerequisite: SOCL 265. 3 semester hours. *

SOCL 306 Correctional System. Theory and research relating to treatment, incarceration and rehabilitation of the offender. Annually. IAI CRJ 911. Prerequisite: SOCL/CJUS 260. 3 semester hours. *

SOCL 310 Social, Psychological and Cultural Aspects of Aging. This course examines social, psychological and cultural aspects that impact the aging process. An analysis of the individual and society, explorations of changes in roles and status, intergenerational relationships, sociocultural differences and intrapsychic dynamics will be explored. Fall. 3 semester hours. *

SOCL 321 Crime and Delinquency. Social and psychological factors related to crime, theories of crime and delinquency, police and court systems and correctional institutions. Annually. IAI CRJ 912. Prerequisite: SOCL / CJUS 260 3 semester hours. *

SOCL 350 Social Theory. Origin and development of sociology through a study of the classic works of the 19th and 20th centuries. Fall. Prerequisite: SOCL 100 3 semester hours. *

SOCL 351 Research Methods in the Social Sciences. An analysis of various theoretical approaches to the study of social sciences as well as discussion and completion of the first two chapters of an original research design. Each semester. Prerequisite: PSYC 251 or SOCL 251 or CJUS 251. Fee: \$35 3 semester hours. Writing Intensive

SOCL 371 Death and Dying. Dynamics of the grief process, the care of the terminally ill and the needs of survivors in the sociological and psychological context of death. Annually. 3 semester hours. *



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SOCL 390 Criminal Justice Field Placement. Observation and participation in the daily work of a criminal justice agency. Each semester. Prerequisite: PSYC 356 or SOCL 356, consent of program director and field placement director prior to the 10th week of the semester preceding the field placement, and a G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.* '

SOCL 391 Topics in Sociology. Relevant topics according to the needs and interests of the criminal justice students. Periodically. Prerequisite: SOCL 100. 3 semester hours. *Course Repeatable. Maximum number of units allowed 99.* '

SOCL 394 Group Processes. Introduces theory and components of group process. Opportunities to participate in functioning groups for decision making and practicing of newly developed skills. Annually. Prerequisite: SOCL-356 3 semester hours. *

SOCL 395 Senior Thesis. Completion of an original research project under faculty supervision, involving either an original survey design, case study, or experimental analysis. Prerequisite: PSYC 351 or SOCL 351 or CJUS 351. 3 semester hours. * *Consent Required.* '

SOCL 397 Sociology Field Placement. Supervised experience in an on- or off-campus setting related to the student's interest in sociology. Each semester. Prerequisite: SOCL 356, Consent of the program director and field placement director prior to the 10th week of the semester preceding the field placement, and G.P.A. of 2.5 or better. 3-6 semester hours. *Consent Required.* '

Spanish +

SPAN 101 Elementary Spanish I. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and Spring. 3 semester hours. *

SPAN 102 Elementary Spanish II. Introduction to the basic structure of the language. Designed to enable the student to develop oral proficiency and written skills. Fall and spring. 3 semester hours. *

SPAN 201 Intermediate Spanish I. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable students to continue to develop their oral and written proficiency. Fall. Prerequisite: SPAN 102 3 semester hours. *

SPAN 202 Intermediate Spanish II. Review of the basic structure of the language. Emphasis on extensive language practice in simulated cultural settings which will enable student to continue to develop their oral and written proficiency. Fall and spring. IAI H1 900. Prerequisite: SPAN 201 or placement. 3 semester hours. *

Speech +

SPCH 110 Speech Communication. An introduction to public speaking, communication theory and small-group and interpersonal communication. The course includes researched extemporaneous speeches and several in-class exercises. Each semester. IAI C2 900. 3 semester hours. Oral Communication

Theater +

THEA 121 Fundamentals of Theater Arts. An introduction to theater arts providing basic knowledge and experience of drama realized as theater. Acting, directing, play writing, designing scenery, costumes and lighting are studied. Also included are stage and house management and play production. Special Fee required. IAI F1 907. 3 semester hours. *



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Theology +

THEO 101 Theology of Love. Examines the concept of "God is Love" in the systematic theology of the Trinity, the Sacramental theology of the Eucharist and Marriage, and the Moral theology of Catholic social ethics and Catholic sexual ethics. 3 semester hours. Religious Studies Core Elect

THEO 102 Theology of Justice. This course examines the idea of justice particularly in relation to the redeeming death of Christ and its implications for theology. It will survey the systematic theology of the Christology and the Atonement; the sacramental theology of the Eucharist, Reconciliation and Holy Orders, and the Moral Theology of Law, social justice and canon law. 3 semester hours. Religious Studies Core Elect

THEO 220 Mediterranean World. Covers content of HUMN 220 with emphasis on history of the Old Testament. Fall. 3 semester hours. Religious Studies Core Elect *Consent Required.*

THEO 230 Baptism of Europe. Same content as HUMN 230 with emphasis on the foundation of the Catholic Church and New Testament history. Spring. 3 semester hours. Religious Studies Core Elect *Consent Required.*

Writing Program +

WRIT 95 Sentence & Paragraph Skills. A course for students who need more writing experience while taking WRIT-101. This course is designed to improve basic sentence and paragraph skills. Extensive practice with basic grammar, standard English and sentence structure. There will be both class and individualized instruction. One hour each week will be an in-class writing lab. 4 semester hours. *

WRIT 101 Person in Community: Writing Colloquium. A first-year writing-intensive skills course whose content focuses on Benedictine University and its mission of higher learning grounded in the liberal arts and guided by its Benedictine Heritage and Catholic tradition. Students will be introduced to the theme of "Person in Community," which unites the Cultural Heritage sequence of courses. Readings will encourage students to understand, discuss, and write about issues of contemporary relevance. Emphasis on writing and revising argumentative essays, grammar review, basic library research skills, and textual analysis. Each semester. Required for first semester freshmen in the pilot program, which combines RHET 101 and HUMN 101. Grade of "C" or better. IAI CI900. 3 semester hours. First Writing Course

WRIT 102 Research Writing. A course that introduces students to writing in the disciplines of literature, social science, or biological science. Students study types of writing in the discipline, use advanced library research techniques, write brief literature reviews, and develop and write significant research papers. Grade of "C" or better. IAI CI901. 3 semester hours. * Second Writing Course